

CURRICULUM VITAE OF NFL AFFILIATED PHYSICIANS

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TAB 1

THOMAS WESLEY ALLEN, D.O., FACP, FCCP, MACOI

**Home: 7433 Aberdeen Parkway West
Tulsa, Oklahoma 74132
(918) 388-3151**

**Office: 1111 South St. Louis Avenue
Tulsa, Oklahoma 74120
(918) 619-7401**

e-mail: Thomas-Allen@ouhsc.edu

PLACE AND DATE OF BIRTH

Chicago, IL September 13, 1938

EDUCATION

Undergraduate	Ottawa University, Ottawa, Kansas B.A., Biology, 1960
Graduate Professional	Midwestern University, Chicago College of Osteopathic Medicine D.O. (Doctor of Osteopathic Medicine), 1964
Internship (Rotating)	Metropolitan Hospital, Grand Rapids, Michigan 1964-1965
Residency (Internal Medicine)	Midwestern University Chicago College of Osteopathic Medicine (St. James Hospital) 1965-1968
Fellowship (Pulmonary Medicine)	Northwestern University Medical School/Chicago College of Osteopathic Medicine Department of Medicine, Pulmonary Section Veterans Administration Research Hospital, Lakeside, Research Associate 1969-1970

MEDICAL LICENSURE

Oklahoma State Board of Osteopathic Examiners #2995

BOARD CERTIFICATION

American Osteopathic Board of Internal Medicine

- Internal Medicine 1973, 1981 #0221
- Pulmonary Medicine 1977 #0221
- Sports Medicine 1995, 2005 #0221

May 1, 2007

ACADEMIC AND ADMINISTRATIVE APPOINTMENTS

University of Oklahoma College of Medicine

- Clinical Professor of Family Medicine, Division of Sports Medicine 2005-

Oklahoma State University

- Vice President for Health Affairs, OSU 1991-2003

College of Osteopathic Medicine

- Dean 1991-2002
- Professor of Internal Medicine 1991-2003
- Southwestern Bell Professor of Telemedicine 1998-2003
- Program Director, Primary Sports Medicine Residency 2002-2003
 - Interim Program Director, Primary Sports Medicine Residency 2005
- Professor of Medicine & Vice President Emeritus 2003-
- Clinical Professor of Family Medicine, Adjunct 2005-

University of Medicine and Dentistry of New Jersey

School of Osteopathic Medicine

- Associate Dean for Academic and Clinical Affairs 1987-1991
- Professor of Clinical Medicine 1987-1991
- Director of Sports Medicine 1987-1991
- Director, New Jersey Area Health Education Center (AHEC) 1988-1989

Midwestern University/Chicago College of Osteopathic Medicine

- Vice President for Academic Affairs 1981-1987
- Dean 1978-1987
- Assistant Dean, Director Externships/Clerkships 1975-1978
- Professor of Medicine 1979-1987
- Associate Professor of Medicine 1974-1979
- Assistant Professor of Medicine 1970-1974
- Instructor in Medicine 1968-1970
- Chief, Pulmonary Disease Section, Department of Medicine 1970-1978
- Director, Division of Sports Medicine 1981-1987

Northwestern University Medical School

- Instructor in Medicine 1970-1973
- Clinical Assistant in Medicine 1973-1978

HOSPITAL APPOINTMENT (CURRENT)

Hillcrest Medical Center, Tulsa OK 2005-

MILITARY SERVICE

Honorable Discharge from United States Army 30 September 2005

Colonel, Medical Corps, United States Army Reserve 1990-2005
Division Surgeon, 95th Division (Institutional Training)
Oklahoma City, Oklahoma 1991-2005

Major, Medical Corps, United States Army Reserve 1988-1990
Assigned – HQ 361st Evac Hospital, Folsom PA
Attached – 1st Army Ft. Meade, MD
Officer-in-Charge, Medical Detachment 1st Army, University of Medicine and
Dentistry of New Jersey, Stratford, New Jersey 1988-1991

American Association of Medical Review Officers
Certified Medical Review Officer (MRO) 1994-

Reserve Officers Association, Department of Oklahoma
Surgeon 1998-2003

United States Army
Consultant to 85th Medical Battalion in Hyperthermia
and Hypothermia 1987

United States Army Reserve 95th Division (Institutional Training)
Member Process Action Team on Homeland Security 2002-2005
Lifetime Member 2005

MILITARY AWARDS

United States Army
Legion of Merit 2005
Meritorious Service Medal 1995, 2004
Military Outstanding Volunteer Service Medal 2002
Army Achievement Medal 1992
Army Commendation Medal 1991

United States Army Medical Department
Certification of Commendation 1991

MILITARY EDUCATION

Officers Basic Course 1989
Officers Advanced Course 1991
Combat Casualty Care Course 1991
Command and General Staff Course 1995
Medical Management of Chemical and Biological Casualties Course 2001

FEDERAL GOVERNMENT

Department of Health and Human Services

Special Assistant to the Director of the Bureau of Health Professions Professions	1987
United States Public Health Service, Health Resources and Services Administration National Advisory Council on the National Health Service Corps Member	1994-1997
National Advisory Council on Health Professions Education Member	1986-1990
Co-Chairman	1988-1990
National Center for Complimentary and Alternative Medicine Member, Special Emphasis Panel	2000

STATE GOVERNMENT (OKLAHOMA)

Oklahoma Genetics Advisory Council	2000-2002
Oklahoma Committee on Violence and Public Health	1994
Physician Manpower Training Commission	1991- 2002
Healthy Futures Steering Committee	1992-1995
Commission on Oklahoma Health Care	1992
Board of Medical Legal Investigation	1997-2002

LOCAL GOVERNMENT

Village of Western Springs, Illinois Trustee (Elected)	1981-1985
Chairman, Finance Committee Commissioner, Recreation Committee (Appointed)	1985-1987
City of Chicago, Illinois Tuberculosis Control Physician	1973-1975
Tuberculosis Consultant	1975-1978
Mayor's Advisory Committee on Tuberculosis	1976-1987

AWARDS

Professional Fellowships

FACOI (Fellow of the American College of Osteopathic Internists)	1977
MACOI (Master Fellow of the American Osteopathic College of Internists)	2005
FCCP (Fellow of the American College of Chest Physicians)	1980
FACP (Fellow of the American College of Physicians)	2006

Oklahoma Sate University Bob Dellinger Award for Service to OSU Wrestling	2002
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Rural Health Association of Oklahoma Outstanding Service Award	2002
Ohio University The Phillips Medal of Public Service	2001
American Osteopathic Association Citation for Service as Editor-in-Chief	1987-1998
American Association of Colleges of Osteopathic Medicine Dale Dodson, D.O. Award	1997
State of Oklahoma, Oklahoma State Senate Citation of Appreciation - Doctor of the Day	1996, 97, 98, 99, 2000, 01, 02, 04
State of Oklahoma, Oklahoma House of Representatives Citation, Doctor of the Day	1996, 97, 98, 99, 2000, 01, 02, 04
Phi Kappa Phi, Oklahoma State University	1996
Chicago College of Osteopathic Medicine Alumni Association Outstanding Achievement Award	1993
Oklahoma Osteopathic Association A.T. Still Award of Excellence	1992
University of New England Doctor of Humane Letters, Honoris Causa	1989
Department of Health and Human Services Public Health Service, Health Resources and Services Administration "Unit Commendation"	1987
Chicago College of Osteopathic Medicine "Faculty Member of the Year"	1972
Sigma Sigma Phi (National Osteopathic Medical Honor Society)	1962

BIOGRAPHICAL LISTINGS

National Junior Chamber of Commerce "Outstanding Young Man of America Year"	1971
Dictionary of International Biography	1972
Who's Who in Medicine and Health Care, 1 st Ed.	1997
Who's Who in America	1998, 1999, 2000, 2001, 2002, 2003
Who's Who in Science and Engineering	1998

GRANT AWARDS

Department of Health and Human Services, Bureau of Health Professions, "Child and Adolescent Abuse Education in New Jersey AHEC" 1 U76 PE 00187-02 Project Director	1989
National Osteopathic Foundation Grant, "Thoracic Manipulation in COPD"	1970
Mead-Johnson Fellowship Grant, "Thoracic Manipulation in COPD"	1966
Bureau of Research of the American Osteopathic Association Foundation for Research of the New York Academy of Osteopathy Student Research Training Fellowship Grant	1963

PROFESSIONAL ORGANIZATIONS

American Association of Colleges of Osteopathic Medicine	
Chairman, Council of Deans	1980
Program Chairman, Annual Education Meeting	1988
Secretary/Treasurer, Board of Governors	1993-1995
American College of Chest Physicians	1974-
Associate Fellow	1974-1980
Tuberculosis Steering Committee	1976-1980
Fellow (FCCP)	1980
American College of Osteopathic Internists	1968-
Fellow (FACOI)	1977
Board of Directors	1980-1988
Program Chairman, 44th Annual Convention and Scientific Sessions	1984
President	1986-1987
Gillum Society	1998
American College of Physicians	
Fellow (FACP)	2006
American College of Sports Medicine	1979-
American Heart Association	
Member, Physicians' Cholesterol Education Task Force	1987
American Medical Society for Sports Medicine	1992-2002
American Osteopathic Association	1964-
National Osteopathic Board of Examiners	
Examiner in Physiology	1975-1978
Committee on Basic Documents	1981-1983
Steering Committee of the National Institute for Osteopathic Education Development	1980-1983
Ad Hoc Committee for Osteopathic Medicine Credentialing Needs Assessment	1983-1984
Scientific Editor	1986-1987
Editor-in-Chief	1987-1998
Bureau of Research, Member	1991-1993
National Osteopathic Foundation, Director	1991-1997

American Osteopathic Academy of Sports Medicine	1983-
Board of Directors	1985-1991,2003-
Vice President	1986
Secretary/Treasurer	1989
Program Chairman, Annual Meeting	1988
Certified in Sports Medicine	1989
Representative on Conjoint CAQ Primary Sports Medicine Board	2003-
American Osteopathic Board of Internal Medicine	
Board Certified in General Internal Medicine	1973
Re-certification by Examination	1981
Board Certified in Pulmonary Medicine	1977
Certificate of Added Qualifications in Sports Medicine	1997
American Red Cross, Blood Services, Oklahoma/Texas	
Board of Directors	2001- 2005
American Thoracic Society	1983-1992
Chicago Hospital Council	
Infant Mortality Task Force	1981-1987
Policy Analysis Committee	1969-1992
Chicago Lung Association	1969-1987
Health Care Systems Committee	1977-1983
Board of Directors	1979-1987
Patient Services and Education Committee	1983-1984
Tuberculosis Committee, Chairman	1984-1987
Chicago Thoracic Society	1978-1987
Nominating Committee, Chairman	1980
Costal Research Group	
Executive Board, Member	1997-2003
Council of Medical Deans of Illinois	1978-1987
Secretary/Treasurer	1982-1987
Health Systems Agency, Inc.	
Suburban Cook County - Dupage County (Illinois)	
Board of Directors	1979-1983
Certificate of Need Committee	1979-1982
Hospice of Green Country, Tulsa, Oklahoma	
Board of Directors	1999-2002
Institute of Medicine of Chicago	
Fellow	1974
Board of Governors	1975-1978
Nominating Committee	1977
National Fund for Medical Education	

Medical Perspectives Selection Committee	1981-1984
North American Academy of Manipulative Medicine	1984-1991
Oklahoma Rural Research and Demonstration Center Member	1996
Teletraining Institute, Stillwater, Oklahoma Board of Trustees, Member	1995-1998

STATE AND LOCAL MEDICAL SOCIETIES

Illinois Association of Osteopathic Physicians and Surgeons Secretary, First District	1964-1987 1971-1972
New Jersey Association of Osteopathic Physicians and Surgeons Camden County Society of Osteopathic Physicians and Surgeons	1987-1991 1987-1991
Oklahoma Osteopathic Association Tulsa Osteopathic Medical Society	1991- 1991-

OTHER ACTIVITIES

Asbury Communities, Gaithersburg MD Board of Directors	2007-
Inverness Village, Tulsa Board of Directors	1999-2006
Trinity Episcopal Church, Tulsa	1991-
Rotary Club of Tulsa, Oklahoma Director Sergeant-at-Arms Paul Harris Fellow Community Fellow Benefactor	1991- 1995-1996 2003
Tulsa Area United Way Health Care Division Chair Civic Unit Chair	2000 1995
Certified Official, The Athletes Congress, U.S.A.	1980-1990
National Ski Patrol	1970-1978
Attending Physician, Illinois State High School Wrestling Finals - Champaign, IL	1986-1987
Attending Physician, Prairie State Games, Champaign, IL	1986
Sports Medicine Consultant to the Camden, NJ Board of Education	1989-1991

Team Physician	
Lyons Township High School (wrestling and swimming), LaGrange, IL	1982-1987
Camden High School, Camden, NJ	1988-1991
Woodrow Wilson High School, Camden, NJ	1989-1991
Sterling High School, Somerdale, NJ	1990-1991
Assistant Team Physician, Oklahoma State University Athletics	1991-
Wrestling Team Physician	1997-
National Football League	
Committee on Cardiovascular Health	2004-
American Aerobic Association International/International Sports Medicine Assoc.	
Certified Personal Fitness Trainer	2005-

PUBLICATIONS

1. Stockard AR, **ALLEN TW**: Competence in musculoskeletal medicine: A survey of recent graduates of a college of osteopathic medicine. *J Am Osteo Assoc.* 2006; 106:350-355
2. **ALLEN TW**: Return to play following exercise-induced bronchoconstriction. *Clin J Sport Med.* 2005; 15(6): 421-425
3. **ALLEN TW**: Sideline management of asthma. *Current Sports Medicine Reports.* 2005; 4:301-304
4. Liang TCM, **ALLEN TW**, McKeigue ME, et. al: Effect of cooling on muscular health prior to running a marathon. *J. Am Osteo Assoc.* 2001; 43:219-225.
5. Jarolim, KL, Brenner, GM, Martin LG, Yuan Y, **ALLEN TW**: Evaluation of hemodilution and hypothermia in a rat model of global cerebral ischemia. *Proc Okla Acad Sci* 2000; 80:17.
6. Liang MTC, Dombrowski HT, **ALLEN TW**, et. al: Do medical students' knowledge and attitudes about health and exercise affect their physical fitness? *J Am Osteo Assoc.* 1993; 93:1020-24,1028-32.
7. **ALLEN TW**, Liang MTC, Dombrowski HT, et. al: Fitness, Body Fat Content, and Attitudes, Knowledge and Habits of Health and Exercise in Medical Students. (Abstract) *Med Sci Sports Exerc* 1992; 24(5) S77.
8. McCord P, Liang MTC, McKeigue ME and **ALLEN TW**: Effect of Exercised-Induced Dehydration on Body Fat Measurement. (Abstract) *Med Sci Sports Exerc* 1988;(20) S21.
9. **ALLEN TW**: The Educational Program for Clinical Clerkship Training, *Proceedings of the Clinical Clerkship Workshop.* AACOM 1978; 49-55
10. Howell RR, **ALLEN TW**, Kappler RE: The influence of osteopathic manipulative therapy in chronic obstructive lung disease. *J Am Osteopath Assoc.* 1975 Apr; 74:74(8):757-760.
11. **ALLEN TW**: The diagnosis of parenchymal infection in chronic obstructive pulmonary disease. *The D.O.* 1974; 14:101-103.
12. **ALLEN TW** and Honeckman CC: Subcutaneous metastasis following needle biopsy of the pleura. *JAOA* 1974; 73:522-525.
13. **ALLEN TW**: Acute respiratory failure in chronic obstructive pulmonary disease. *Osteo Int*

1973; 1-3:26-29.

14. **ALLEN TW**, Addington WW, Rosendal T, Cugell DW: Alveolar carbon dioxide and airway resistance in patients with postexercise bronchospasm. *Amer Rev of Resp Dis.* 1973 May; 107(5): 816-21.
15. **ALLEN TW**: Management of acute exacerbations of chronic obstructive pulmonary disease. *J Am Osteopath Assoc.* 1971 Dec; 71(4): 330-3.
16. **ALLEN TW**, Cugell DW, Addington WW, Patterson R: Postexercise bronchospasm. *Clinical Conference in Pulmonary Disease from Northwestern University Medical Center, Chicago.* *Chest.* May; 59(5): 557-60
17. **ALLEN TW**: Evaluation of pulmonary function in the office. *J Am Osteopath Assoc.* 1971 Mar; 70(7):712-5.
18. **ALLEN TW**, Addington WW, Rosendal T, Cugell DW: Endtidal pCO₂ in postexercise bronchospasm. *Clin Res* 1970; 18,3:629.
19. **ALLEN TW** and Pence TK: The use of the thoracic pump in lower respiratory tract disease. *J Am Osteopath Assoc.* 1967 Dec; 67(4): 408-11.

BOOK REVIEWS

1. **ALLEN TW**: Exercise physiology: people and ideas. *Br J Sports Med* 2005; 393:182.

BOOK CHAPTERS

1. **ALLEN TW**: Sports Medicine, Foundations for Osteopathic Medicine Ward RC (ed.) Williams and Wilkins Baltimore. 1997; 285-287.

AUDIO TAPES

1. **ALLEN TW**: Acute Respiratory Failure. American Osteopathic Association Audio-Educational Service: 2,11, November 1972.
2. **ALLEN TW**, Benchwick PL, Solaski SJ and Ravin SJ: Lung Abscess. American Osteopathic Association Audio-Education Service: 3,9, November 1972.
3. **ALLEN TW** and Benchwick PL: Tuberculosis. American Osteopathic Association Audio-Education Services: 2,7, July 1972.

SYMPOSIA

1. Northup GW, **ALLEN TW**, Bradford SG, et al: Essays in Medicine, Osteopathic Medicine. MEDCOM Production: Warner/Chilcott, 1974.
2. **ALLEN TW**, Balchum OJ, Giudice JC and Pankey GA: Bronchopulmonary Infections. A nationwide television symposium co-sponsored by the American Association of Colleges of Osteopathic Medicine and Pfizer Laboratories, October 1973.

EDITORIALS

1. **ALLEN TW:** Eliminating tobacco use, a continuing challenge. J Am Osteopath Assoc. 2004 Aug; 104:313
2. **ALLEN TW:** Coming full circle: osteopathic manipulative treatment and immunity. J Am Osteopath Assoc. 1998 Apr; 98(4): 204.
3. **ALLEN TW:** Will failure to use OMT be grounds for malpractice? J Am Osteopath Assoc. 1997 May; 97(5): 268.
4. **ALLEN TW:** 'Active ingredient for a healthy life'. J Am Osteopath Assoc. 1996 Dec; 96(12): 722.
5. **ALLEN TW:** Smoking cessation is not an oxymoron. J Am Osteopath Assoc. 1996 Aug; 96(8): 460
6. **ALLEN TW:** Cigarette smoking still smolders after all these years. J Am Osteopath Assoc. 1995 Nov; 95(11): 636.
7. **ALLEN TW:** Synergism strengthens osteopathic medical education programs. J Am Osteopath Assoc. 1995 Oct; 95(10): 586.
8. **ALLEN TW:** Federal guidelines endorse OMT for acute low back pain. J Am Osteopath Assoc. 1995 Mar; 95(3): 160.
9. **ALLEN TW:** Family physicians key partners in preventing suicide among youth. J Am Osteopath Assoc. 1994 Sep; 94(9): 699-700,
10. **ALLEN TW:** Cohesive social systems key to breaking cycle of family violence. J Am Osteopath Assoc. 1994 Jul; 94(7): 535-536.
11. **ALLEN TW:** Exercise: the antiaging antidote? J Am Osteopath Assoc. 1994 May; 94(5): 378,380.
12. **ALLEN TW:** DOs encouraged to participate in pharmaceutical, clinical trials. J Am Osteopath Assoc. 1994 May; 94(5): 378.
13. **ALLEN TW:** An apple a day may keep cardiovascular disease away. J Am Osteopath Assoc. 1994 Apr; 94(4): 292.
14. **ALLEN TW:** Cigarette smoking still smolders after all these years. J Am Osteopath Assoc. 1994 Mar; 94 (3): 205,
15. **ALLEN TW:** Elderly abuse: the silent violation. J Am Osteopath Assoc. 1994 Feb; 94(2): 131-132.
16. **ALLEN TW:** Now is the time to eradicate hepatitis B. J Am Osteopath Assoc. 1994 Jan; 94(1): 49.
17. **ALLEN TW:** 'Osteopathic physician' defines our identity. J Am Osteopath Assoc. 1993 Sep; 93(9): 884.
18. **ALLEN TW:** Stroke requires treatment – stat! J Am Osteopath Assoc. 1993 Aug; 93(8):831-832.
19. **ALLEN TW, D'Alonzo GE:** Investigating the role of osteopathic manipulation in the treatment of asthma. J Am Osteopath Assoc. 1993 Jun; 9(6) 654-6,659.
20. **ALLEN TW:** Passive smoking drives three more 'nails' in the 'smoking' coffin. J Am Osteopath Assoc. 1993 May; 93(5): 537.

21. **ALLEN TW:** Outcomes assessment: 'buzz words' in medical education whose time has come. J Am Osteopath Assoc. 1993 May; 93(3): 318, 320.
22. **ALLEN TW:** Lead toxicity in children demands DOs' attention. J Am Osteopath Assoc. 1993 Jan; 93(1): 66.
23. **ALLEN TW:** Prescription for suicide prevention starts with primary care physician. J Am Osteopath Assoc. 1992 Dec; 92(12): 1499.
24. **ALLEN TW:** Rising US infant mortality rate requires action. J Am Osteopath Assoc. 1992 Oct; 92(10): 1246-8.
25. **ALLEN TW:** Osteopathic medicine: 100 years in the making. J Am Osteopath Assoc. 1992 Sep; 92(9): 1125-6.
26. **ALLEN TW:** Taking a sobering look at teenage alcohol use. J Am Osteopath Assoc. 1992 Aug; 92(8): 996.
27. **ALLEN TW:** Patient involvement key to enhancing doctor-patient relationship. J Am Osteopath Assoc. 1992 Jun; 92(6): 690,695.
28. **ALLEN TW:** With TB on the rise, new treatment approach warranted. J Am Osteopath Assoc. 1992 Feb; 92(2): 188.
29. **ALLEN TW:** Type A personality may strike at the heart of CAD. J Am Osteopath Assoc. 1992 Jan; 92(1): 60,63.
30. **ALLEN TW:** Examining the complexities of HIV testing for healthcare workers. J Am Osteopath Assoc. 1991 Oct; 91(10): 948,951.
31. **ALLEN TW:** Lyme disease: the bite of spring becomes the (diagnostic) menace of summer. J Am Osteopath Assoc. 1991 Jun; 91(6): 543.
32. **ALLEN TW:** Taking a different look at so-called burnout. J Am Osteopath Assoc. 1991 Apr; 91(4): 341.
33. **ALLEN TW:** Creating a smoke-free society requires DO action. J Am Osteopath Assoc. 1991 Mar; 91(3): 242-243.
34. **ALLEN TW:** Osteopathic research: where have we been and where are we going? J Am Osteopath Assoc. 1991 Feb; 91(2): 122.
35. **ALLEN TW:** The medical and legal ramifications of women with AIDS. J Am Osteopath Assoc. 1991 Jan; 91(1): 27
36. **ALLEN TW:** An example of putting our assumptions to the test. J Am Osteopath Assoc. 1991 Jan; 91(1): 27-8.
37. **ALLEN TW:** Measuring our success in meeting 1990 hypertension health objectives. J Am Osteopath Assoc. 1990 Dec; 90(12): 1067-8.
38. **ALLEN TW:** Practicing what we teach: integrating osteopathic principles into practice. J Am Osteopath Assoc. 1990 Oct; 90(10): 893-4.

39. **ALLEN TW:** Protecting the nation's most valuable resource. J Am Osteopath Assoc. Aug; 90(8): 678, 681.
40. **ALLEN TW:** Physician initiative crucial to recruiting organ-tissue donors. J Am Osteopath Assoc. 1990 Jul; 90(7): 586.
41. **ALLEN TW:** 'Ammunition' needed to fight firearm-related injuries, deaths. J Am Osteopath Assoc. 1990 Jun; 90(6): 504.
42. **ALLEN TW:** Sound advice concerning noise-induced hearing loss. J Am Osteopath Assoc. 1990 May; 90(5): 410.
43. **ALLEN TW:** Another hurrah for a 'smoke-free' environment. J Am Osteopath Assoc. 1990 Apr; 90(4): 317.
44. **ALLEN TW:** Proof of reducing cancer risks is in the eating. J Am Osteopath Assoc. 1990 Mar; 90(3): 235.
45. **ALLEN TW:** Correcting the misconceptions surrounding osteopathic medicine. J Am Osteopath Assoc. 1990 Feb; 90(2): 128.
46. **ALLEN TW:** What will it take to reduce the incidence of breast cancer? J Am Osteopath Assoc. 1990 Jan; 90(1): 24,26.
47. **ALLEN TW:** Will the medical waste tracking act clean up environment? J Am Osteopath Assoc. 1989 Oct; 89(10): 1277-8.
48. **ALLEN TW:** AOA joins fight against sexually transmitted diseases. J Am Osteopath Assoc. 1989 Sep; 89(9): 1129,1132.
49. **ALLEN TW:** Living wills improve patient-physician communication. J Am osteopath Assoc. 1989 Aug; 89(8): 1013.
50. **ALLEN TW:** Tuberculosis remains a formidable adversary. J Am Osteopath Assoc. 1989 May; 89(5): 617-18.
51. **ALLEN TW:** Let's join the battle against adult domestic violence. J Am Osteopath Assoc. 1989 Apr; 89(4): 457.
52. **ALLEN TW:** Refining our cholesterol awareness. J Am Osteopath Assoc. 1989 Jan; 89(1): 35,38.
53. **ALLEN TW:** Preventable hepatitis B remains health problem. J Am Osteopath Assoc. 1988 Dec; 88(12): 1480.
54. **ALLEN TW:** A call for equality in osteopathic medicine abroad. J Am Osteopath Assoc. J Am Osteopath Assoc. 1988 Sep; 88(9): 1082
55. **ALLEN TW:** The proper emphasis for AIDS education. J Am Osteopath Assoc. 1988 May; 88(5): 618.
56. **ALLEN TW:** Treatment or Prevention? J Am Osteopath Assoc. 1988 Apr; 88(4): 487.
57. **ALLEN TW:** Preventive medicine: osteoporosis. J Am Osteopath Assoc. 1988 Feb; 88(2): 209.
58. **ALLEN TW:** Primary care education in osteopathic medical schools. J Am Osteopath Assoc. 1987 Dec; 87(12): 805-6.

59. **ALLEN TW:** Establishing a smoke-free environment. J Am Osteopath Assoc. 1987 Dec; 87(12): 805.
60. **ALLEN TW, Kelso AF:** Osteopathic Research and Respiratory Disease. J Am Osteopath Assoc. 1980 Feb; 79 (6): 360.

TAB 2

CURRICULUM VITAE

Robert Bentley Anderson, M.D.

PERSONAL DATA

BIRTH DATE: May 1, 1957

BIRTH PLACE: Milwaukee, Wisconsin

CITIZENSHIP: U.S.A.

BUSINESS ADDRESS: OrthoCarolina
1001 Blythe Boulevard, Suite 200
Charlotte, North Carolina 28203

HOME ADDRESS: 4022 Doves Roost Court
Charlotte, North Carolina 28211

MARITAL STATUS: Wife - Jean Plouff
Children- Ryan Bentley 11-26-83
Tyler Matthew 05-08-86
Michael Thomas 05-05-88

EDUCATION

High School: Wauwatosa West High School
Wauwatosa, Wisconsin
Graduated: June, 1975

College: The University of Mississippi
University, Mississippi
Graduated: May, 1979
Major: Biology/Chemistry
Degree: B.A., Biological Sciences

Medical School: Medical College of Wisconsin
Milwaukee, Wisconsin
Graduated: May, 1983
Degree: M.D.

Internship: Charlotte Memorial Hospital and Medical Center
Charlotte, North Carolina
Rotating format
July, 1983 - June, 1984

LICENSURE:

North Carolina: August 28, 1984
Wisconsin: June 1, 1988

CERTIFICATION:

National Board of Medical Examiners: May, 1984

American Board of Orthopaedic Surgery:
Part I passed July, 1988
Part II passed July, 1991
Recertification: July, 2000

Fellow, American Board of Orthopaedic Surgery, February, 1993

SPECIAL TRAINING:

Residency: Department of Orthopaedic Surgery
Charlotte Memorial Hospital and Medical Center
Charlotte, North Carolina
July, 1984 - June, 1988

Fellowship: Foot and Ankle Surgery
Department of Orthopaedic Surgery
Medical College of Wisconsin
Milwaukee, Wisconsin
July, 1988 - June, 1989
John S. Gould, M.D., Chairman

MILITARY SERVICE: None

I. EMPLOYMENT

OrthoCarolina (formerly Miller Orthopaedic Clinic)
1001 Blythe Boulevard Suite 200
Charlotte, NC 28203
July 1989 to present

II. ACADEMIC ASSIGNMENTS

Chief, Foot and Ankle Service, Department of Orthopaedics,
Carolinas Medical Center
Vice-Chairman, Department of Orthopaedic Surgery,
Carolinas Medical Center, 1998 – present
President, Medical Staff, Carolinas Medical Center, 2006-
Co-director, O.L. Miller Foot and Ankle Institute Foot and Ankle
Fellowship
Clinical Faculty, Charlotte Institute of Rehabilitation
Vice President, American Orthopaedic Foot and Ankle Society
Assistant Team Physician NFL: Carolina Panthers
Foot and Ankle Consultant to NFL and NBA teams (Green Bay
Packers, Baltimore Ravens, Major League Umpires)
Clinical Faculty, Orthopaedic Trauma Service, Carolinas Medical Center
Medical Advisor, Prescription Footwear Association, 1993 to 1995
Medical Advisor, Board of Certified Orthotics, 1995 to 1998
Associate Editor, Foot and Ankle International
Editorial Board, Journal of Surgical Orthopaedic Advances
Expert Analyst, Editorial Board, Journal of Southern Orthopaedics
Editorial Board, Journal of the American Academy of Orthopaedic
Surgeons
Editorial Board, American Journal of Sports Medicine
Editorial Board, Foot and Ankle, Orthopaedics Today
Reviewer, Journal Bone and Joint Surgery
Co-Editor, Techniques in Foot And Ankle Surgery, Lippincott, Williams
& Wilkins

III. SCHOLARLY, ACADEMIC OR TEACHING AWARDS AND HONORS

INSTITUTIONAL

Housestaff Secretary/Treasurer, 1985
Oscar Miller Day Resident Award, 1985
Charlotte Orthopaedic Day Resident Award, 1986
Housestaff President 1986-1988
North Carolina Orthopaedic Association State Meeting
Resident Award, 1987 (poster exhibit)
Commencement Speaker, Graduation Class of 1988
Teacher of the Year, Department of Orthopaedic Surgery,
Carolinas Medical Center, 1991 and 1997.

NATIONAL

Prescription Footwear Association Physician of the Year, 1996
Charlotte Magazine, "Best Doctors 2006"
North Carolina, "Best Doctors 2001-2006"

UNIVERSITY

Summa Cum Lauda (3.997 GPA)
The University of Mississippi Hall of Fame
Taylor Medalist for highest GPA in field of Biology
(1978), and Chemistry (1979)
Who's Who in American Colleges and Universities
Omicron Delta Kappa (Phi Beta Kappa equivalent)
Omicron Delta Kappa Leader of the Year Award, 1979
Stanley J. Birge Award for outstanding undergraduate
of Chi Psi National Fraternity, 1979
Phi Kappa Phi National Scholastic Honorary
Phi Kappa Phi Freshman Scholastic Award
Elected to: Phi Eta Sigma, Alpha Epsilon Delta, Order
of Omega
Phi Kappa Phi National Honor Society, 1980
Omicron Delta Kappa Honor Society, 1981

MEDICAL SCHOOL:

Speaker, Graduation Class of 1983
Letters of Commendation: Microbiology and
Pharmacology
Alpha Omega Alpha Honor Medical Society, 1983

IV. PUBLIC OR COMMUNITY SERVICE ACTIVITIES

UNIVERSITY:

Chi Psi Fraternity President (2 years)
Omicron Delta Kappa President
Order of Omega President
Interfraternity Council Vice President
Chairman, Campus Judicial Council
Chairman, Fraternity Rush Week
Assistant to University's orthopaedic team physician
Alumnus - active, The University of Mississippi
Alumnus/Advisor - active, Chi Psi Fraternity
Charlotte Area Ole Miss Alumni Club

MEDICAL SCHOOL:

DOC (Doctors Oughta Care)
AMSA
Lab tech/autopsy assistant
Medic, auto speedway
Alumnus - active, Medical College of Wisconsin

COMMUNITY:

Board of Directors Mecklenburg County Medical Society (two terms),
1996- present
Board of Directors Arthritis Patient Services, 1989-1995
(United Way Organization)
Board of Directors Morrocroft Homeowners Association, 1996-1998
Board of Trustees Presbyterian-Orthopaedic Hospital, 1995-1999
Chairman, Ambulatory Surgery Committee, Carolinas Medical Center,
1992-1998 Church Council, St. Lukes Lutheran Church, 1996-1998
Delegate, North Carolina Medical Society, 1996-present
Chairman, Bylaws Committee, Carolinas Medical Center, 1999 to
present
Chairman, Medical-Legal Committee of Mecklenburg County Medical
Society, 1994-1998

V. SCHOLARLY SOCIETY MEMBERSHIPS

NATIONAL:

Fellow, American Academy of Orthopaedic Surgery
American Orthopaedic Association
Southern Medical Association
American Orthopaedic Foot and Ankle Society
Southern Orthopaedic Association
American Diabetic Association - professional member
Professional Footwear Association - professional member
North American Foot and Ankle Society
Clinical Orthopaedic Society
American Association of Foot and Ankle Surgeons, State representative,
Board of Directors, AOFAS
NFL Physicians Society 2001 - present

REGIONAL OR LOCAL:

Mecklenburg County Medical Society (North Carolina)
Carolinas Medical Center Orthopaedic Alumni Association
North Carolina Orthopaedic Association
North Carolina Medical Society

VI. CHAIRMAN AND COMMITTEE MEMBERSHIPS

Chairman, Foot and Ankle Subcommittee of the NFL Injury and Safety Panel
2004-Present
Committee member, Subcommittee of Foot and Ankle Education Committee,
American Academy of Orthopaedic Surgery

Committee member, Orthoses and Shoewear and Diabetic Foot Care Committee, American Orthopaedic Foot and Ankle Society
Chairman, Complete Foot Care Course, American Orthopaedic Foot and Ankle Society
Member, Education Committee, Chairman, Primary Physician's Committee, AOFAS
Faculty member, AOFAS Regional Review Course, 1991 (Milwaukee), 1992 (Duke), 1993 (Baltimore), 1994 (Atlanta), 1995 (Charlotte)
Faculty member, Eastern Orthopaedic Association, Madrid, Spain, October, 1991
BCP Board Liaison to AOFAS, 1994 - 1997
Co-moderator, AOFAS meeting, Silverado, 1992
Faculty member, Complete Foot Care Course, Hartford, 1992
Co-moderator, AOFAS meeting, San Francisco, 1993
Faculty member, Complete Foot Care Course, Atlanta, April 1993
Discussant, AOFAS, Asheville, NC, July, 1993
Faculty member, Regional Review Course, Baltimore, MD, September, 1993
Faculty member, Eastern Orthopaedic Association, Orlando, Florida, October, 1993
Guest Professor, Southeastern Foot Club/Alabama Orthopaedic Society, May, 1993
Faculty member, Prescription Footwear Association, National Symposium, November, 1993 (Washington, DC), November, 1994 (Chicago, Illinois), November, 1995 (Boston, MA)
Faculty member, Orthopaedic Learning Center, Foot and Ankle Subspecialty, Chicago, Illinois, April, 1994
Discussant - Role of the Diagnostic Block in the Management of Morton's Neuroma, Causes and Results of Operative Treatment of Tarsal Tunnel Syndrome, and Functional Outcome After the Surgical Treatment of Tarsal Tunnel Syndrome, AAOS, Orlando, FL, Feb. 1995
Faculty member, Orthopaedic Learning Center, Foot and Ankle Subspecialty, Chicago, Illinois, May, 1995
Faculty member, Complete Foot Course, San Diego, April, 1995
Co-moderator, AOFAS summer meeting, Vail, CO, July, 1995
Faculty/panelist, Symposium, Complex Diabetic Foot Problems, AOFAS, Vail, CO, July, 1995
Instructional Course Lecture: Advances in Prosthetic, Orthotic, and Pedorthic Management of Foot and Ankle Disorders, AOFAS, Vail, CO, July, 1995
Faculty member, Summer Institute, AAOS, Boston, MA, September, 1995
Faculty member, The Diabetic Foot, AOFAS, New Orleans, LA, September, 1995
Faculty member, Charlotte Postgraduate Seminar, October, 1995, Charlotte, NC
Faculty member, A Sports Medicine Symposium, January 27, 1996, Charlotte, NC - Soft tissue Injuries of the Foot and Ankle, Injuries of the Great Toe and Sesamoid, and "The Great Toenail"
Instructional Course Lecture, AAOS, Atlanta, February, 1996 - Diabetic Foot: Diagnosis and Outpatient Management

Instructional Course Lecture, AAOS, Atlanta, February, 1996 - Management of the Adult Acquired Flatfoot Deformity
 Discussant - AAOS, Atlanta, February, 1996 - Assessment of the AO/ASIF Fracture Classification for the Tibial Plafond
 Discussant - AAOS, Atlanta, February, 1996 - Tibial Pilon Fractures: A Comparison of Treatment Methods
 Discussant - AAOS, Atlanta, February, 1996 - Hybrid External Fixation in the Treatment of Tibial Plafond Fractures
 Course Chairman, Complete Foot Care Course, Pittsburgh, PA, April, 1996
 Guest Professor, Resident Thesis Day, Northwestern University, Chicago, May, 1996
 Faculty member, AAOS, Orthopaedic Learning Center, Rosemont, IL, May, 1996.
 Local Arrangements Chairman, AOFAS, Hilton Head, SC, June, 1996
 Guest Professor at St. Vincent's Hospital on 7-24-96 and at St. George Hospital on 7-25-96, Sydney, Australia
 Faculty member of the "Total Foot Course", Sydney, Australia, July 27-28, 1996, Adelaide, July 30-31, 1996 and Perth August 3-4, 1996
 Faculty member of the Sports Injuries to the Foot and Ankle Course held in Stanmore, England, August 8-9, 1996
 Faculty member - Summer Institute, AAOS, San Diego, CA, September 10-13, 1996
 Faculty member - Comprehensive Foot and Ankle Course, November, 1996, Washington, DC
 Instructional Course Lectures (3), American Academy of Orthopaedic Surgeons, 1997
 Course Chairman, Complete Foot Care Course, 1997 and 1998
 Faculty - Athletic Injuries of the Foot and Ankle, Learning Center, Chicago, April, 1997
 Faculty - Advanced Foot and Ankle course, San Francisco, May, 1997
 Faculty - Diabetic Foot Course, Stanmore, England, August, 1997
 Faculty - Diabetic Foot Course, Washington, DC, September, 1997
 Faculty - Comprehensive Foot and Ankle Course, AAOS, Chicago, 1997
 Orthopaedic Grand Rounds, William Beaumont Hospital, Detroit, MI, February 23, 1998.
 Instructional Course Lecture, Surgical Treatment of Soft Tissue Injuries of the Hindfoot and Ankle, AAOS, New Orleans, March, 1998
 Instructional Course Lecture, Management of the Adult Acquired Flatfoot Deformity, AAOS, New Orleans, March, 1998
 Instructional Course Lecture, Techniques for Arthrodesis in the Foot And Ankle, AAOS, New Orleans, March, 1998
 Case Controversies, Foot: Trauma, AAOS, New Orleans, March, 1998
 Faculty, Learning Center teaching lab. Chicago, May, 1998.
 Chairman, Athletic Injuries of the Foot and Ankle course, Charlotte, NC, May 9, 1998
 Faculty, NAFFA, Rancho Mirage, CA, May 14-17, 1998

Course Chairman, Complete Foot Care Course, Philadelphia, PA, May 28-31, 1998
 Faculty, AOFAS, Boston, MA, July 23-25, 1998
 Faculty, 2nd Combined Meeting of Foot and Ankle Surgeons, COMFAS, Venice, September 16-19, 1998
 Faculty, NCOA, Asheville, NC, October 9-13, 1998
 Faculty, Comprehensive Foot and Ankle Course, San Francisco, October 29-November 1, 1998
 Visiting Professor, University of Maryland Medical Center, Kerman Hospital, Baltimore, Maryland, November 4-6, 1998,
 Guest Speaker, Ortho-McNeil Pharmaceutical meeting, December 1, 1998.
 Visiting Professor, Rothman Institute at Jefferson, Philadelphia, PA, December 2-4, 1998
 Visiting Professor, Allegheny General Hospital, Pittsburgh, PA - Evaluation and Management of Late Sequelae of Calcaneus Fractures, January 19, 1999
 Instructional Course Lectures (3), AAOS/AOFAS, February, 1999. Anaheim, CA
 Course Chairman, AOFAS meeting, February, 1999, Anaheim, CA
 Visiting Professor, St. Luke's Episcopal Hospital, Reconstructive Problems in Diabetic Neuropathic Feet, Proximal Chevron Bunionectomy, Achilles Tendon Disorders, Surgical Management of Pes Planus, Houston, TX, April 16-17, 1999
 American Orthopaedic Foot and Ankle Society (Board of Directors 1997-1999)
 American Orthopaedic Foot and Ankle Society, Program Chairman of annual meetings, February 1999, July 1999.
 American Orthopaedic Foot and Ankle Society, Course Chairman of Complete Foot Care Course (3 consecutive years),
 Course Chairman, Regional Review Course (1997), Athletic Trainers Course (1998)
 Faculty, Advanced Foot and Ankle Course, Washington, DC, 1999
 Faculty, International Foot and Ankle Course, Frankfurt, Germany, 1999
 Faculty, International Foot and Ankle Course, Basle, Switzerland, 1999
 Medical Grand Rounds, Mercy Hospital, Charlotte, NC., December, 1999
 Faculty, Athletic Injuries of the Foot and Ankle Symposium, Charlotte, NC, January, 2000
 Chairman, Instructional Course, American Academy of Orthopaedic Surgery, 3/2000
 Faculty, The Fourth Biennial Foot and Ankle Symposium, Toronto, Ontario, April, 2000
 Faculty, Foot Surgery for the Practicing Orthopaedic Surgeon, Orthopaedic Learning Center, Rosemont, IL, April, 2000
 Visiting Professor, Australia Foot and Ankle Society, Noosa, Queensland, June, 2000
 Visiting Lecturer, 26th Annual Greenville Orthopaedic Day, Greenville, SC, June, 2000
 Moderator, American Orthopaedic Foot and Ankle Society Summer Meeting, Vail, CO, July, 2000

Faculty, 4th International Foot and Ankle Surgical Course, Bad Homburg, Germany, September, 2000

Faculty, 4th Practical Foot Course, Stratec Medical, Basel, Switzerland, November, 2000

Faculty, 2000 Trauma to the Foot and Ankle Surgical Skills Course, Orthopaedic Learning Center, Rosemont, ILL, November, 2000

Faculty, 2001 Winter Clinical Course: Advances in Total Joint Arthroplasty, Bahamas, January, 2001

Instructional Course Lectures (3), 68th Annual American Academy of Orthopaedic Surgery Meeting, San Francisco, February, 2001

Faculty/Moderator, Sports Medicine Course of the Foot and Ankle, Palm Springs, March, 2001

Faculty/Moderator, Surgical Management of Foot and Ankle Problems in General Practice, Orthopaedic Learning Center Course #3360, Rosemont, IL, May, 2001

Faculty, American Orthopaedic Foot and Ankle Society 17th Annual Summer Meeting, San Diego, July, 2001

Guest Professor, University of North Carolina-Chapel Hill Orthopaedic Grand Rounds, October 24, 2001

American Program Coordinator, Spanish/USA Congress of Foot and Ankle, Madrid, Spain, November, 2001

Keynote Speaker, Aircast Foot and Ankle Lectureship, University of Michigan, Ann Arbor, Michigan, November, 2001

Faculty, Moderator, 21st Annual Oscar Miller Day – Symposium on Foot & Ankle in Sport Activities, Charlotte, North Carolina, November, 2001

Faculty, 5th Practical Foot Course, Stratec Medical, Basel, Switzerland, November, 2001

Faculty, Moderator, American Academy of Orthopaedic Surgeons 69th Annual Meeting, February, 2002

Co-Chairman, Foot and Ankle Surgical Techniques For The New Millennium, Orthopaedic Learning Center Course #3402, Rosemont, Il, March, 2002

Faculty, Ace-Dupuy Learning Center 2002, Baltimore, April, 2002

Visiting Professor, 2002 Nathaniel Gould Foot and Ankle Lecture Series, University of Vermont, April, 2002

Course Co-Chairman, Advanced Foot and Ankle Course, San Francisco, May, 2002

Faculty, American Orthopaedic Foot and Ankle Society 18th Annual Summer Meeting, Traverse City, Michigan, July, 2002

Guest Faculty, Upper Extremity, Foot and Ankle, Pennsylvania Orthopaedic Society, Philadelphia, PA, November, 2002

Faculty, Foot and Ankle: Current Concepts and Practical Solutions, American Academy of Orthopaedic Surgeons, Washington, D.C., December, 2002

Faculty, Moderator, American Academy of Orthopaedic Surgeons 70th Annual Meeting, February, 2003

Faculty, National Football League Physician Society Annual Scientific Meeting, Indianapolis, Indiana, February, 2003

Co-Chairman, Advanced Techniques in Foot and Ankle Surgery, Orthopaedic Learning Center Course #3610, Rosemont, Il, March, 2003
Faculty, Sports Medicine of the Foot and Ankle, Snowmass, Co, March, 2003
Faculty, Sports Medicine 2003: An NFL Perspective, San Francisco, Ca, May, 2003
Guest Professor, Northwestern University Grand Rounds, May 23, 2003
Co-Chairman, Advances in Foot and Ankle Surgery, Napa Valley, CA, June, 2003
Faculty, American Orthopaedic Foot and Ankle Society 19th Annual Summer Meeting, Hilton Head, NC, June, 2003
Speaker, Distinguished Lecture-American Sports Medicine Institute, Birmingham, AL, October 6, 2003
Co-Chairman, Foot and Ankle: Trauma, Reconstruction, and Sports – Controversies in Treatment, San Francisco, CA, October, 2003
Guest Professor, Washington University Grand Rounds, St. Louis, MO, October 21, 2003
Faculty, 7th Surgical Skills Course – Forefoot, Stratec Medical, Oberdorf, Switzerland, November, 2003
Faculty, National Football League Physicians Society Annual Scientific Meeting, Indianapolis, IN, February 20, 2004
Faculty/Moderator, American Academy of Orthopaedic Surgeons, 71st Annual Meeting, San Francisco, CA, March, 2004
Faculty, AOSSM Specialty Day, San Francisco, CA, March 13, 2004
Guest Speaker, NFL Spring Annual Meeting, Palm Beach, FL, March 28-30, 2004
Faculty, Advanced Foot & Ankle Course, Baltimore, MD, April 22-24, 2004
Guest Speaker, NFL Coaches Career Development Symposium, Orlando, FL, May 10-13, 2004
Guest Speaker, Southern Conference Athletic Trainers Annual Meeting, Charleston, SC, May 25, 2004
Guest Speaker, National Athletic Trainers Association 55th Annual Meeting, Baltimore, MD, June 15-19, 2004
Course Chairman, Diagnostic and Treatment Strategies for the Foot and Ankle, Course #3531, Chicago, Il, October 15-17, 2004
Charter Member, International Hindfoot Study Group, Switzerland, 2004
Guest Professor, Grand Rounds, Rhode Island Hospital/Brown Medical School, Providence, RI, January 5, 2005
Faculty, 8th Surgical Skills Course – Hindfoot, Orthopaedic Clinic University of Basle, Oberdorf, Switzerland, January 15-18, 2005
Faculty, 2005 Sports Medicine Symposium – Athletic Injuries of Foot and Ankle, Charlotte, NC, January 22, 2005
Faculty/Course Coordinator/Moderator, American Academy of Orthopaedic Surgeons Annual Meeting, Washington, D.C., February 23-27, 2005
Guest Professor, St. Lukes Episcopal Hospital 41st Annual Orthopaedic Symposium, Houston, TX, April 1-2, 2005
Guest Professor, St. Josephs Clinic, Sederhorst, Germany, April 13, 2005

Guest Professor, National Conference German Foot and Ankle Society, Augsburg, Germany, April 14-16, 2005
Professor, Grand Rounds, University of South Carolina Department of Orthopaedic Surgery, Columbia, SC, April 21, 2005
Faculty, Sports Medicine of Foot and Ankle, Scottsdale, AZ, April 28 – May 1, 2005
Faculty, 8th Annual Spring Sports and Orthopaedic Conference, Minneapolis, MN June 2-3, 2005
Faculty, American Academy of Orthopaedic Surgeons Foot and Ankle Trauma Management – Calcaneal, Talar, and Lisfranc Fracture, Charlotte, NC, June 11, 2005
Chairman, Advances in Foot and Ankle Surgery, sponsored by Wright Medical Technology, New York, NY, December 9-10, 2005
Guest Professor, Grand Rounds, Ohio State University Department of Orthopaedics, Columbus, OH, January 12-13, 2006
Faculty, Advanced Techniques in Foot and Ankle Surgery, AAOS Course #3002, Rosemont, IL, February 3-5, 2006
Faculty/Moderator, 2006 Annual Meeting American Academy of Orthopaedic Surgeons, Chicago, IL, March 22-26, 2006
Faculty, 2006 Spring Symposium, Current Concepts in the Management of Foot and Ankle Disorders, Charlotte, NC, April, 8, 2006
Faculty, AOFAS Advanced Foot and Ankle Course, Atlanta, GA, April 27-29, 2006
Guest Professor, Grand Rounds Medical College of Milwaukee, Milwaukee, WI May 3, 2006
Guest Professor/Keynote Speaker, Masterclass of Foot and Ankle Disorders, Leeds, England, June 6-11, 2006
Guest Professor, Oxford Innovations in Foot and Ankle Surgery, Oxford, England, June 6-11, 2006
Faculty, Total Joint Replacement and Extremity Fixation, Wright Medical Technology Mobile Medical Education, Charlotte, NC, June 23-24, 2006
Faculty, American Orthopaedic Foot and Ankle Society Summer Meeting, La Jolla, CA, July 12-16, 2006
Guest Speaker, University South Carolina Sports Medicine Journal Club, Columbia, South Carolina, September 19, 2006
Guest Professor, Grand Rounds William Beaumont Hospital, Royal Oak, Michigan, October 16, 2006.
Guest Professor, Inaugural Grand Rounds, Research Triangle Park Orthopaedic Society, Chapel Hill, North Carolina, October 17, 2006
Faculty, Southeastern Fracture Symposium 2007, Greensboro, North Carolina, January 11-13, 2007
Faculty, 10th Surgical Skills Course – Hindfoot, Oberdorf, Switzerland, January 20-23, 2007
Faculty, 2007 Annual Meeting American Academy Orthopaedic Surgeons, San Diego, California, February 14-18, 2007

Faculty, Winter Meeting American Orthopaedic Foot and Ankle Society, San Diego, California, February 17, 2007
Faculty, American Orthopaedic Society Sports Medicine Specialty Day, San Diego, California, February 17, 2007
Speaker, Moore Lecture, Philadelphia Orthopaedic Society, Philadelphia, Pennsylvania, March 12, 2007
Moderator, Speaker, Advanced Solutions for Foot & Ankle –DePuy St. Petersburg, Florida, April 13-14, 2007
Course Chairman, From the Playground to the Stadium, Sports Injuries Course, American Orthopaedic Foot and Ankle Society, Oakbrook, Illinois, May 3-5, 2007
Speaker, 2007 Annual Meeting Georgia Orthopaedic Society, Lake Oconee, GA, October 12-13, 2007

VII. Research Support

Clinical Evaluation of Walker Boots, Co-investigators: W. Hodges Davis, MD and Robert B. Anderson, MD, Peggy A. Vain and Gary M. Kiebzak, Ph.D., Supported by Oscar Miller Foundation, 1997.

Clinical Evaluation of Dorsiflexion Night Splints, Co-investigators: W. Hodges Davis, M.D. and Robert B. Anderson, M.D., Gregory Berlet, M.D, Gary M. Kiebzak, Ph.D., (Internal), 1999.

VIII. Bibliography

Category I.

None

Category II.

Sesamoid Injuries in Athletes, Angus McBryde, MD and Robert B. Anderson, MD, Clinics in Sports Medicine, January, 1988, pages 51-60

Operative Treatment of Subcalcaneal Pain, Robert B. Anderson, MD and Mark Foster, M.D., Foot and Ankle, June, 1989, 317-322.

Intracortical Osteosarcoma: A Case Report, Robert B. Anderson, MD, James McAllister, MD., and Richard Wrenn, MD, Skeletal Radiology, 1989, 18:627-630

Free Tissue Transfer for the Treatment of Chronic Osteomyelitis of the Os Calcis, Robert B. Anderson, MD, Mark D. Foster, MD, and John S. Gould, MD, Foot and Ankle International, December, 1990, pages 168-171

The Use of Open Phenol Blocks to the Motor Branches of the Tibial Nerve in Adult Acquired Spasticity, Thomas J. Moore, MD and Robert B. Anderson, MD, Foot and Ankle International, February, 1991, pages 219-221

The Influence of Diabetes on Free Flap Transfer: I. Flap Survival and Microvascular Healing. Cooley, Hanel, Anderson, et al. Annals of Plastic Surgery 29:58, 1993

Anterior Tibial Tendon Rupture, Tye J. Ouzounian, MD and Robert B. Anderson, MD, Foot and Ankle International, July 1995, pages 406-410

Prospective, Randomized Comparison of Proximal Crescentic and Proximal Chevron Osteotomies for Correction of Hallux Valgus Deformity, Mark Easley, MD, Gary M. Kiebzak, Ph.D., W. Hodges Davis, MD, and Robert B. Anderson, MD. Foot and Ankle International, Vol 17, #6, June, 1996, pages 307-316

Distal Soft Tissue Release Using Direct and Indirect Approaches: An Anatomic Study. Ian Lin, MD, Susan K. Bonar, MD, W. Hodges Davis, MD, and Robert B. Anderson, MD. Foot and Ankle International, Vol 17, #8, August, 1996, pages 458-463.

Success of Calcaneonavicular Coalition Resection in the Adult Population. Bruce E. Cohen, MD., W. Hodges Davis, MD and Robert B. Anderson, MD. Foot and Ankle International, Vol 17, #9, September, 1996, pages 569-572.

Technique Tips: Proximal Phalanx Basilar Osteotomy for Resistant Angulation of the Lesser Toes. W. Hodges Davis, MD, Robert B. Anderson, MD, Francesca Thompson, MD, and William Hamilton, MD. Foot and Ankle International, 18 (2): 103-104, February, 1997

Autogenous Bone Grafting of Hallux Sesamoid Nonunions. Robert B. Anderson, MD, A.M. McBryde, M.D., Foot and Ankle International, Vol 18, No 5, May, 1997, pages 293-296.

Technique Tip: Internal Fixation of the Proximal Chevron Osteotomy. RB Anderson, MD and W. Hodges Davis, MD. Foot and Ankle International, Volume 18, No 6, June 1997, p 371-372.

Results of in Situ Subtalar Arthrodesis for Late Sequelae of Calcaneus Fractures. James T. Chandler, Susan K Bonar, MD, Robert B. Anderson, MD and W. Hodges Davis, MD. Foot and Ankle International, Volume 20, Number 1, January, 1999, Page 18-24.

Dorsiflexion Metatarsal Osteotomy for Treatment of Recalcitrant Diabetic Neuropathic Ulcers. James E. Fleischli, MD, Robert B. Anderson, MD, and W. Hodges Davis, MD. Foot and Ankle International, Volume 20, Number 2, February 1999, page 80-85.

Intermediate to long-term Follow up of Medial Approach Dorsal Cheilectomy for Hallux Rigidus. Easley, ME, Davis, WH, Anderson, RB. Foot and Ankle International, Volume 20, Number 3, March, 1999, page 147-152.

Comparison of Custom and Prefabricated Orthoses in the Initial Treatment of Proximal Plantar Fasciitis, Foot and Ankle International, Glenn Pfeffer, Peter Bacchetti, Jonathan Deland, Al Lewis, Robert Anderson, W. Hodges Davis, et. al., Vol 20, No. 4: 214-221, April 1999

Clinical Evaluation of the Modified Broström-Evans Procedure to Restore Ankle Stability, Foot and Ankle International, Pierre Girard, Robert Anderson, W. Hodges Davis, Jerome Isear PT, ATC, Gary Kiebzak Ph.D., Vol. 20, No. 4: 246-252, April 1999

Comparison of Results of Retrocalcaneal Decompression for Retrocalcaneal Bursitis and Insertional Achilles Tendinosis with Calcific Spur, Foot and Ankle International, Anthony Watson, Robert Anderson, W. Hodges Davis, Vol. 21 No. 8: 638-642, August, 2000

Complications of Midfoot and Hindfoot Arthrodesis, Clinical Orthopaedics And Related Research, Christopher Bibbo, DO, Robert Anderson, M.D., W. Hodges Davis, M.D., No. 391:45-58, October, 2001

Tendon Arthroplasty for Basal Fourth and Fifth Metatarsal Arthritis, Foot and Ankle International, Gregory Berlet, M.D., Robert Anderson, M.D., Vol. 23 No. 5: 440-445, May, 2002

Distal Tarsal Tunnel Release With Partial Plantar Fasciotomy for Chronic Heel Pain: An Outcome Analysis, Foot and Ankle International, Troy Watson, M.D., Robert Anderson, M.D., W. Hodges Davis, M.D., Gary Kiebzak, Ph.D., Vol. 23 No. 6: 530-537, June, 2002

Prospective Analysis of Body Composition and SF36 Profiles in Professional Dancers over a 7-Month Season: Is There a Correlation to Injury? Journal of Dance Medicine & Science, Gregory Berlet, M.D., Gary Kiebzak, Ph.D, Alicia Dandar, M.S., Christin Wooten, M.S., R.D./L.D.N., Jane Box, M.D., Robert Anderson, M.D., W. Hodges Davis, M.D., Vol. 6 No.2, 2002

Biomechanical Testing of Cadaveric Specimens: Importance of Bone Mineral Density Assessment, Foot and Ankle International, Catherine G. Ambrose, Ph.D, Gary M. Kiebzak, Ph.D, E. Peter Sabonghy, M.D., Owen Tabor, M.D., Richard Piendl, Ph.D, Thomas O. Clanton, M.D., Robert B. Anderson, M.D., W. Hodges Davis, M.D., Vol. 23 No. 9: 850-855, September, 2002

A Prospective Trial of Night Splinting in the Treatment of Recalcitrant Plantar Fasciitis: The Dynasplint Night Splint, Orthopaedics, Greg Berlet, W. Hodges Davis, Robert Anderson, Gary Kiebzak, Vol. 25 (11): 1273-1275, November, 2002

Turf Toe Injuries of the Hallux Metatarsophalangeal Joint, Techniques in Foot And Ankle Surgery, Robert Anderson, Vol 1, No. 2: 102-111, December, 2002

The Influence of Rheumatoid Chemotherapy, Age, and Presence of Rheumatoid Nodules on Postoperative Complications in Rheumatoid Foot and Ankle Surgery: Analysis of 725 Procedures in 104 Patients, Foot and Ankle International, Christopher Bibbo, DO, Robert Anderson, M.D., W. Hodges Davis, M.D., Vol. 24, No. 1: , January, 2003

Injury Characteristics and the Clinical Outcome of Subtalar Dislocations: A Clinical and Radiographic Analysis of 25 Cases, Foot and Ankle International, Christopher Bibbo, DO, Robert Anderson, M.D., W. Hodges Davis, M.D., Vol. 24, No. 2: 158-163, February, 2003.

Differentiating Tibio-Talar and Subtalar Joint Pain Prior to Arthrodesis, Techniques in Foot and Ankle Surgery, Robert Anderson, Jason Pleimann, Vol. 2, No. 1: 47-50, March, 2003

Repair of the Achilles Tendon Sleeve Avulsion: Quantitative and Functional Evaluation of a Transcalcaneal Suture Technique, Foot and Ankle International, Christopher Bibbo, DO, Robert Anderson, MD, W. Hodges Davis, MD, Michael Agnone, PT, ATC, Vol. 24, No. 7: 539-544, July, 2003

Plantar Approach for Isolated Fibular Hallux Sesamoidectomy, Techniques in Foot and Ankle Surgery, Marc Milia, Bruce Cohen, Robert Anderson, Vol. 2, No. 4: 268-271, December, 2003

Partial Syndactylization for the Painful Interdigital Clavus. Paul Siffri, M.D., Robert Anderson, W. Hodges Davis, Bruce Cohen, M.D. Techniques in Foot and Ankle Surgery, Vol. 3 No. 2: 113-117, June, 2004.

Indirect Groove Deepening in the Management of Chronic Peroneal Tendon Dislocation. Scott Shawen, M.D., Robert Anderson, M.D. Techniques in Foot and Ankle Surgery, Vol. 3 No. 2: 118-125, June, 2004.

Strength and Knot Security of Braided Polyester and Caprolactone/Glycolide Suture. Christopher Bibbo, DO, Marc Milia, M.D., Robin Gehrman, M.D., Dipak Patel, M.D., Robert Anderson, M.D. Foot and Ankle International, Vol. 25 No. 10: 712-715, October, 2004

Two-Incision Lateral Approach for Dwyer Calcaneal Osteotomy with Concomitant Lateral Reconstructive Procedure, Matt Hammit, M.D., Robert B. Anderson, M.D., Bruce E. Cohen, M.D., W. Hodges Davis, M.D. Techniques in Foot and Ankle Surgery, Vol. 4 No. 3, 184-189, September, 2005

Evaluation of Hallux Alignment and Functional Outcome After Isolated Tibial Sesamoidectomy. Simon Lee, M.D., William James, M.D., Bruce Cohen, M.D., W. Hodges Davis, Robert B. Anderson, M.D. Foot and Ankle International, Vol. 26 No. 10: 803-809, October, 2005

Operative Treatment of Syndesmotic Injuries in the Competitive Athlete. Christopher Nicholson, M.D., Robert B. Anderson, M.D., Techniques in Foot and Ankle Surgery, Vol. 5 No. 1, 38-44, March, 2006

Achilles Tendon Evaluation and Repair, Waqqar Khan-Farooqi, M.D., Robert B. Anderson, M.D., Journal of Musculoskeletal Medicine, Vol.23 No. 5, 347- , May, 2006

Category III.

Dynamic Interpositional Arthroplasty for the Rigid Hammertoe, Mark Foster, MD., Robert B. Anderson, MD., and John S. Gould, MD, Pending publication

Category IV.

Sesamoiditis, Robert B. Anderson, MD, Gould: Operative Foot Surgery, W. B. Saunders Company, Chapter 6

Lisfrancs Fracture-Dislocation, Current Practice in Foot and Ankle Surgery, Volume 1, GB Pfeffer and CC Frey, 1993, McGraw-Hill, pages 129-159

Associate Editor, Current Practice in Foot and Ankle Surgery, Vol. 1, GB Pfeiffer and CC Frey (ed), 1993, McGraw-Hill

Injuries to the Midfoot and Forefoot, Orthopaedic Knowledge Update Foot and Ankle, 1995, pages 255-268

Section author, "Diabetes Mellitus", Adult Foot and Ankle Reconstruction, OKU 5. American Academy of Orthopaedic Surgeons, J.R. Kasser, MD, Editor, 1996, pages 525-548

Calcaneocuboid Distraction Arthrodesis for the Treatment of the Adult-Acquired Flatfoot. Robert B. Anderson, MD and W. Hodges Davis, MD. Foot and Ankle Clinics, vol 1, No. 2, pg 279-294, December, 1996

The Pedorthic and Orthotic Care of the Diabetic Foot. Robert B. Anderson, MD and W. Hodges Davis, MD. Foot and Ankle Clinics, Vol 2, No 1, 137-151, March 1997.

Complications of Trauma and Surgery to the Hallux Sesamoid. In: Complications of Foot and Ankle Surgery, Gould, JS (ed.), Williams and Williams. In Press

The Diabetic Foot. RB Anderson, MD and WH Davis, MD. In: Oxford Textbook of Orthopaedics and Trauma, Buckwalter, J. (ed), Oxford University Press. In Press

Proximal First Metatarsal Osteotomy with Bunion Correction. WH Davis, MD and RB Anderson, MD. In: Hallux Valgus (Foot and Ankle Clinics), Baniewicz, C.T. (ed), W. B. Saunders Co. In Press

Hallux Rigidus in the Adult and Adolescent. ME Easley, MD and RB Anderson, MD. In: Hallux Valgus Monograph, American Academy of Orthopaedic Surgeons. Pages 23-32, May, 1997.

Proximal First Metatarsal Osteotomy. RB Anderson, MD and W. Hodges Davis, MD. Foot and Ankle Clinics, Volume 2, No 4, December, 1997, pages 669-684.

Management of the Adult Flatfoot in Foot and Ankle Disorders, Robert Anderson, MD and W. Hodges Davis, M.D. In: Foot and Ankle Disorders Editor, Mark Myerson, M.D. 2000, Pages 1017-1039.

Lesser Toe Deformities. Anthony D. Watson, MD, Robert B. Anderson, MD and W. Hodges Davis, MD. Operative Treatment of the Foot and Ankle, Editor Armen S. Kelikian, MD. 1999, Pages 99-115.

Metatarsalgia. Anthony D. Watson, MD, Robert B. Anderson, MD and W. Hodges Davis, MD. Operative Treatment of the Foot and Ankle, Editor Armen S. Kelikian, MD, 1999, pages 117-125.

Ankle and Foot Reconstruction. Anderson, RB, Beaman, DN, Guyton CP, Saltzman, CL, Sands, AK. In: Orthopaedic Knowledge Update: Home Study Syllabus. Beaty, JH (ed.) American Academy of Orthopaedic Surgeons, Rosemont, IL, pp.613-631, 1999

Chronic Lateral Ankle Instability. Gregory C. Berlet, M.D., Robert B. Anderson, M.D., W. Hodges Davis, M.D., Foot and Ankle Clinics, Volume 4, No. 4, December, 1999, pages 713-728.

Periarticular Injuries to the Hallux Metatarsophalangeal Joint in Athletes. Watson, TS, Anderson, RB, Davis, WH., Foot and Ankle Clinics, Volume 5, No. 3, September, 2000, pages 687-713.

Book Review: Functional Reconstruction of the Foot and Ankle: author Sigvard Hansen, Jr., Anderson, RB., Jrnl Bone & Joint Surgery, Volume 83-A, No. 2, February 2001, page 317.

Bridle Posterior Tibial Tendon Transfer. Richard E. Gellman, M.D., Robert B. Anderson, M.D., W. Hodges Davis, M.D., The Master Techniques in Orthopaedic Surgery: The Foot and Ankle, Editor: Harold B. Kitaoka, M.D., 2002, pages 597-613

Viscosupplementation For The Arthritic Ankle. Jason H. Pleimann, M.D., W. Hodges Davis, M.D., Bruce E. Cohen, M.D., Robert B. Anderson, M.D., Foot and Ankle Clinics, Vol.7, No. 3, September, 2002, pages 489-494., 2004,

Stress Fractures of the Tarsal Navicular. Simon Lee, M.D., Robert B. Anderson, M.D., Foot and Ankle Clinics, Vol. 9, No. 1, March, 2004, pages 85-104.

Turf Toe. Robert B. Anderson, M.D., Advanced Reconstruction Foot and Ankle, Editors: James Nunley, M.D., Glenn Pfeffer, M.D., Roy Sanders, M.D., Elly Trepman, M.D., 2004, Pages 323-329.

Missed Lisfranc Injury, Robert B. Anderson, M.D. Advanced Reconstruction Foot and Ankle, Editors: James Nunley, M.D., Glenn Pfeffer, M.D., Roy Sanders, M.D., Elly Trepman, M.D., 2004, Pages 397-401.

Athletic Foot Disorders. Robert Anderson, M.D., William James III, M.D., Simon Lee, M.D. Orthopaedic Knowledge Update Sports Medicine 3, Pages 249-261, 2004

Clinical Sports Medicine, Robert B. Anderson, M.D., 66 Acute Ankle Ligament Injury/Chronic Instability, editors Darren L. Johnson, M.D. and Scott D. Mair, M.D., Mosby in Press

Great Toe Disorders, Scott Shawen, M.D., Robert B. Anderson, M.D. Foot and Ankle Disorders of the Athlete, Baxter, ed.; In Press

Post-Calcaneus Fracture Reconstruction, Florian Nickisch, M.D., Robert B. Anderson, M.D., Foot and Ankle Clinics, Vol. II, No. 1, 85-103, March, 2006

Stress Fracture of the Foot and Ankle, Robert Anderson, M.D., Bruce Cohen, M.D., Surgery of the Foot and Ankle 8th Edition, Editors – Michael Coughlin, M.D., Roger Mann, M.D., Charles Saltzman, M.D., Mosby, 2007, Vol II, pgs 1565-1601

Category V.

Pedorthist as an Educator, Mark D. Foster, MD and Robert B. Anderson, MD, Pedoscope, June, 1989, pages 5-6

Reflections on a Career in Foot and Ankle Care: Basil M. Boyd, MD: Journal of the Southern Orthopaedic Association, Volume 3, Number 4, Winter 1994, pages 306-311

Commentaries to Advances in Orthopaedic Surgery:

1. Ankle Arthroplasty: A Comparative Study of Cemented Metal and Uncemented Ceramic Prosthesis. May/June, 1990, Vol 13, #6
2. Posterior Transfer of the Anterior Tibial Tendon in Children Who Have a Myelomeningocele, Sept/Oct 1990, Vol 14, #2
3. Metatarsal Head Excision for Rheumatoid Arthritis, Jan/Feb 1992, Vol 15, #4
4. Cleft Feet: Proposals for a New classification Based on Roentgenographic Morphology. Sept/Oct 1992, Vol 16
5. Long-term Follow up of Physal Injury to the Ankle. Jan/Feb 1993, Vol 16, #4
6. Juvenile Hallux Valgus: A Conservative Approach to Treatment, Sept/Oct 1993, Vol 17, #2
7. Triple Arthrodesis in Older Adults: Results After Long-term Follow up. Sept/Oct 1993, Vol 17, #2
8. Anatomic Study of Arthroscopic Portal Sites of the Ankle. Nov/Dec 1993, Vol 17, #3

9. Salvage, with Arthrodesis, in Intractable Diabetic Neuropathic Arthroplasty of the Foot and Ankle. Jan/Feb 1994, Vol 17, #4
10. Computed Tomography Analysis of Pes Cavus, May/June 1994, Vol 17, #6, 1994
11. Comminuted Fracture of the Calcaneus Associated with Subluxation of the Talus, Sept/Oct, 1994, Vol 18, #2
12. The Mitchell Procedure for the Treatment of Adolescent Hallux Valgus: A Long Term Study, Jan/Feb, 1995, Vol 18, #5
13. The Heel Pain in Plantar Heel Pain, March/April, 1995, Vol 18, #5
14. The Ilizarov Technique in Ankle Fusion, July/Aug, 1995, Vol 19, #1
15. Calcaneal Lengthening for Valgus Deformity of the Hindfoot: Results in Children Who Had Severe Symptomatic Flatfoot and Skewfoot, March/April, 1996, Vol 19, #5
16. Case Report: Traumatic Dislocation of the Lateral Sesamoid of the Great Toe: Nonoperative Management, July/Aug, 1996, Vol 20, #1

Calcaneocuboid Distraction Arthrodesis for the Treatment of the Adult Acquired Flatfoot: The Modified Evans Procedure. Robert B. Anderson, MD and W. Hodges Davis, MD., Foot and Ankle Clinics, Vol. 1 No. 2, pages 279-294, December 1996, Northwestern University Medical School, Department of Orthopaedic Surgery Journal. Volume 2, 1997, pages 1-6

Results of In Situ Subtalar Arthrodesis for Late Sequelae of Calcaneus Fractures. Robert B. Anderson, MD, James Chandler, MD, Susan Bonar, MD, and W. Hodges Davis, MD. Northwestern University Medical School Department of Orthopaedic Surgery Journal, Volume 2, 1997, pages 7-12

Integrated Clinic Benefits Patients and Practitioners. W. Hodges Davis, MD and Robert B. Anderson, MD. Biomechanics Vol V, Number 3, March, 1998, pages 81-85.

Midfoot Injury In Children Related To Mini Scooters. Christopher Bibbo, D.O., W. Hodges Davis, M.D., Robert B. Anderson, M.D., Pediatric Emergency Care, Vol. 19, No. 1, February, 2003, pages 6-9.

Video: Non-surgical Management of the Diabetic Foot, Volume XII, Number 4, published in Video Journal of Orthopaedics.

IX. Presentations and Scientific Exhibits/Posters

SCIENTIFIC EXHIBITS/POSTERS:

INTERNATIONAL:

Survival of Free Flap Transfers in Syngeneic Rats Following Experimental Induction of Diabetes, Douglas Hanel, MD, Brian Cooley, MD, Robert Anderson, MD, and John Gould, MD, American Society for Reconstruction of Microsurgery, Toronto, Canada, September, 1990

NATIONAL:

Forty Great Toe Sesamoid Problems in Athletes, Angus McBryde, MD., Robert B. Anderson, MD, North Carolina Orthopaedic Association State Meeting, Wrightsville Beach, North Carolina, 1987
Southern Medical Association Annual Meeting, New Orleans, Louisiana, 1988
American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada, 1989

Cross Transplantation of Free Flaps between Isogenic Normal and Diabetic Rats, Robert B. Anderson, MD, Mark D. Foster, MD, Brian C. Cooley, MD and Douglas P. Hanel, MD. American Orthopaedic Foot and Ankle Society, Sun Valley, Idaho, 1989
North Carolina Orthopaedic Association, Pinehurst, North Carolina, 1989

Spontaneous Rupture of the Anterior Tibial Tendon, Robert B. Anderson, MD and Bernard Kirol, MD, American Orthopaedic Foot and Ankle Society, Silverado, CA, July, 1992

Partial Syndactylization Technique of 4-5 Interdigital Clavus, Sue Bonar, MD, W. Hodges Davis, MD and Robert B. Anderson, MD., American Orthopaedic Foot and Ankle Society, Vail, CO, July, 1995
Simultaneous Bilateral Hallux Valgus Surgical Correction: Is it More Cost-Effective. Mark Easley, MD, Gary Kiebzak, PhD, W. Hodges Davis, MD, Peggy A. Vain, and Robert B. Anderson, MD. AAOS, San Francisco, February, 1997

Video: Anatomy of the Foot and Ankle, W. Hodges Davis, M.D. and Robert B. Anderson, M.D., AAOS Scientific Exhibit, San Francisco, 1997.

Prospective analysis of body composition and lifestyle in professional dancers over a 7-month season: is there a correlation to injury? Berlet, C.G., Kiebzak, G.M., Dandar, A., Wooten, C., Box, J., Anderson, R.B., and Davis, W.H.: Poster presentation at the Annual Meeting of the International Society for Clinical Densitometry, Atlanta, Ga., February, 2002

PRESENTATIONS:

INTERNATIONAL:

Magnetic Resonance Imaging and Legg-Perthes Disease
North American Radiological Society
Toronto, Ontario, 1988
(presented by Edward Easton, MD)

Blood Loss Following Total Knee Arthroplasty
North Carolina Orthopaedic Association State Meeting
Asheville, North Carolina, 1986
and at the Southern Orthopaedic Association Annual Meeting
Edinburgh, Scotland, 1988
(presented by Lowell Gill, MD)

Bunions, Why They Recur
Madrid, Spain, October, 1991

Modified Kidner Procedure for Painful Accessory Navicular in Adult Population
American Orthopaedic Foot and Ankle Society
Coeur D'Alene, July, 1994
and at the Southern Orthopaedic Association
Bermuda, August, 1994

Treatment of Complex Ankle Deformities and Nonunion: Surgical Technique
Southern Orthopaedic Association
Bermuda, August, 1994

Current Management of the Adult Flatfoot Deformity - Lateral Column Lengthening Arthrodesis, First Combined Meeting of the American, British, and European Foot and Ankle Surgeons
Dublin, Ireland, August, 1995

Tendon Disorders of the Foot and Ankle, Pathophysiology of Foot Complications in Diabetes Mellitus, Office Dispensed Products, Pes Planus

Australian Orthopaedic Foot and Ankle Society
Sydney, Adelaide, and Perth, Australia
July 27 - August 4, 1996

Anatomy - The Ankle, Evaluation of the Acutely Injured Athlete
The Foot and Ankle in Sports
London, England
August, 1996

Avascular Necrosis after Distal Metatarsal Osteotomy for Bunion
Deformities
Orthopaedica Belgica
Belgium
June, 1997

Achilles Tendon Pathology
COMFAS
Venice, Italy
September 16-19, 1998

The Non-Healing Diabetic Forefoot Ulcer
Insertional Achilles Tendinitis - Conservative and Surgical Management
Posterior Tibial Tendon Dysfunction
The Congruent Hallux Valgus Deformity
Lisfranc and Midfoot Injuries
Management of the Rheumatoid Hindfoot
The Fourth Biennial Foot and Ankle Symposium
Toronto, Ontario
April 8-9, 2000

Osteotomy for Hallux Rigidus
Metatarsophalangeal Joint Fusion-Surgical Technique
Second Metatarsophalangeal Joint Instability
Arthroscopy of the Ankle
Osteochondral Lesions of the Talus and other Post Traumatic Lesions-
Surgical Technique
4th International Foot and Ankle Surgery Course
Bad Homburg (Frankfurt), Germany
September 15-16, 2000

Injuries Mimicking Lateral Ankle Sprain
Tibio-talo-calcaneal Arthrodesis
Neuropathic Foot: Reconstruction
Achilles Tendon: Chronic Rupture
Anterior Tibial Tendon
4th Practical Foot Course, Stratec Medical
Basel, Switzerland
November 5-8, 2000

Distal Tarsal Tunnel Release with Partial Fasciotomy For Chronic,
Disabling Pain Syndrome
Current Concepts in Forefoot Osteotomies And Fixation
2001 Winter Clinical Course: Advances in Total Joint Arthroplasty
Bahamas
January 11-13, 2001

Metatarsalgia: An Overview
Hammertoe Correction
Failures Of The Proximal Osteotomy/Bunionectomy
5th Practical Foot Course, Stratec Medical
Basel, Switzerland
November 11-14, 2001

Hallux Valgus
DMMA – “Fact or Fiction”
7th Surgical Skills Course Forefoot
Stratec Medical
Oberdorf, Switzerland
November 1-4, 2003

OATS procedure
Medial Malleolar Osteotomy
Moderator: Why Did My Surgery Fail?
Chronic Non-Insertional Ruptures: FHL transfer
Painful Os Peroneum Syndrome (POPS)
Posterior Impingement Syndrome
The Varus Foot: What Is The Problem
Osteotomies (Supramalleolar, Calcaneus, First Metatarsal)
8th Surgical Skills Course – Hindfoot
Orthopaedic Clinic, University of Basle
Oberdorf, Switzerland
January 15-18, 2005

Agility Ankle: Results and Limits
Treatment of Different Stages Of Posterior Tibial Tendon Dysfunction
Tarsal Coalition In Adult Patients
National Conference German Foot and Ankle Society
Augsburg, Germany
April 15-16, 2005

Problematic Entities of the Foot and Ankle with surgery techniques
included – 8 talks
Oxford Innovations in Foot and Ankle Surgery
Oxford, England
Masterclass of Foot and Ankle Disorders – 7 talks
Leeds, England
June 6-11-06

NATIONAL:

The Booker-Wills Interlocking Femoral Nail
American Orthopaedic Association Residents Conference
Salt Lake City, Utah, 1987 (presented for William Griffin, MD)

Autogenous Bone Grafting of Hallux Sesamoid Nonunions
American Orthopaedic Foot and Ankle Society
Las Vegas, Nevada, 1989

Dynamic Interposition Arthroplasty for the Rigid Hammertoe, Mark D.
Foster, MD., Robert B. Anderson, MD and John S. Gould, MD
American Orthopaedic Foot and Ankle Society, Sun Valley, Idaho, 1989
and at the
North Carolina Orthopaedic Association Annual Meeting
Pinehurst, North Carolina, 1989

The Use of Open Phenol Blocks to the Motor Branches of the Tibial
Nerve in Adult Acquired Spasticity
American Academy of Orthopaedic Surgeons Meeting
New Orleans, Louisiana, February, 1990

Dynamic Interposition Arthroplasty for the Rigid Hammertoe
Southern Orthopaedic Association
Maui, Hawaii, 1990

Conservative Treatment of the Charcot Foot
North Carolina Orthopaedic Association Annual Meeting
Asheville, North Carolina, 1990
and at the
American Academy of Orthopaedic Surgeons, Anaheim, CA
March, 1991

Bone Grafting of Hallux Sesamoid Nonunions - Revisited
American Academy of Orthopaedic Surgeons
Anaheim, CA, March, 1991

Open Tibial Nerve Blocks for Post-trauma Spasticity
Thomas J. Moore, MD and Robert B. Anderson, MD
Educational Audio Tape - "Medical Outlook for Orthopaedic Surgeons"
1991

The Use of Differential Nerve Blocks in the Evaluation of Chronic Foot
Pain
Robert B. Anderson, MD and Ronald Singer, MD
American Orthopaedic Foot and Ankle Society
Silverado, CA, July, 1992

The Success of Calcaneonavicular Coalition Resection in the Adult
Population: A Review
American Orthopaedic Foot and Ankle Society
Coeur D'Alene, July, 1994

Posterior Heel Pain: Treatment Options and Success
American Orthopaedic Foot and Ankle Society
Orlando, Florida, February, 1995
Instructional Course Lecturer: Diabetic Foot Problems
American Academy of Orthopaedic Surgeons
Orlando, Florida, February, 1995

Metatarsal Mal-union/Non-unions
American Orthopaedic Foot and Ankle Society
Orlando, Florida
February, 1995

Distal Soft Tissue Release and Hallux Valgus Surgery" An Anatomic
Study Comparing Direct and Indirect Approaches
Ian Lin, MD, Sue Bonar, MD, Robert Anderson, MD and Hodges Davis,
MD
American Orthopaedic Foot and Ankle Society
Vail, Colorado, July, 1995

Prospective Randomized Comparison Proximal Osteotomy for Correction of Severe Hallux Valgus Deformity

Mark Easley, MD, Hodges Davis, MD and Robert Anderson, MD

American Orthopaedic Foot and Ankle Society

Vail, Colorado, July, 1995

and at the

American Academy of Orthopaedic Surgeons

Atlanta, Georgia, February, 1996

Post-traumatic Forefoot Problems

PFA Symposium

Boston, MA

November, 1995

Symposium: Complex Ligamentous Injuries to the Midfoot

American Orthopaedic Foot and Ankle summer meeting

Hilton Head Island, SC

June, 1996

Chevron-Type Transmalleolar Osteotomy: An Approach to Medial Talar

Dome Lesions. Cohen, BE, Anderson RB, and Davis WH. AAOS

San Francisco, CA February, 1997

Dorsiflexion Metatarsal Osteotomy for Treatment of Recalcitrant Diabetic

Neuropathy Ulcers. Fleischli, JE, Anderson, RB, Davis, WH. AAOS

San Francisco, CA

February, 1997

Results of In Situ Subtalar Arthrodesis for late Sequelae of Calcaneus

Fractures. Chandler, JT, Anderson, RB, Davis, WH and Bonar, SK.

AOFAS

San Francisco, CA

February, 1997

Simultaneous Bilateral Hallux Valgus Correction: Is It More Cost-

Effective, Easley ME,MD, Kiebzak, GM, PhD, Davis, WH, MD AOFAS

San Francisco, CA

February, 1997

Distal Chevron Osteotomy in Patients 55 Years of Age and Older for Treatment of Hallux Valgus Deformity,

AAOS, New Orleans, LA

March, 1998

Bridle Procedure for Post Traumatic Peroneal Nerve Injury
NAFAA
Rancho Mirage, CA
May 14-17, 1998

Charcot Deformity in Elective Foot Surgery
AOFAS
Anaheim, CA, 1999

Symposium: Calcaneal Fractures
American Orthopaedic Association
Sun Valley, ID, 1999

Tarsometatarsal Arthroplasty
AOFAS
Puerto Rico, 1999

Surgical Treatment of Tendon and Ligament Problems in the Foot and Ankle
Managing Foot Care in Offices and Clinics
Techniques for Arthrodesis in the Foot and Ankle
Surgical Technique in the Management of the Adult Flatfoot
Tendon Arthroplasty For Basal 4th and 5th Metatarsal Arthritis, Gregory Berlet, Robert Anderson, W. Hodges Davis
American Academy of Orthopaedic Surgeons
Orlando, FL, 2000

Insertional Achilles Tendonitis Operative Techniques
Foot Surgery for the Practicing Orthopaedic Surgeon
Orthopaedic Learning Center
Rosemont, IL
April 14-15, 2000

A Prospective Cohort-Series of Night Splinting in the Treatment of Plantar Fasciitis: A Comparison of Three Splints, Gregory Berlet, Robert Anderson, W. Hodges Davis, Gary Kiebzak
American Orthopaedic Foot and Ankle Society Summer Meeting
Vail, CO
July, 2000

The American Orthopaedic Foot and Ankle Society Diabetes 2000 Foot Screen, Michael Pinzur, Robert Anderson, Richard Cantrall, Karyn Lamborn
American Orthopaedic Foot and Ankle Society Summer Meeting
Vail, CO
July, 2000

Worker's Compensation, Impairment Ratings, Independent Medical
Examinations of the Foot and Ankle: Why Bother?
American Orthopaedic Foot and Ankle Society Summer Meeting
Vail, CO July, 2000

Distal Tarsal Tunnel Release With Partial Plantar Fasciotomy For Chronic
Subcalcaneal Pain Syndrome: An Outcome Analysis, Troy Watson,
Robert Anderson, W. Hodges Davis
American Orthopaedic Foot and Ankle Society Summer Meeting
Vail, CO
July, 2000

Treatment of the Calcaneus; Overview
Lisfranc Fracture-dislocations
Compartment Syndromes
2000 Trauma to the Foot and Ankle Surgical Skills Course
Orthopaedic Learning Center
Rosemont, IL
November 17-19, 2000

Technique for Arthrodesis in the Foot and Ankle
Surgical Technique in the Management of the Adult Flatfoot
Surgical Treatment of Chronic Tendon and Ligament Problems in the Foot
and Ankle
68th Annual Meeting American Academy of Orthopaedic Surgeons
San Francisco, CA
February 28 - March 4, 2001

Subtalar and Combined Instability: Diagnosis and Treatment
Peroneal Tendon Subluxation and Dislocation
Soft Tissue Impingement of the Ankle
Hallux Rigidus in the Athlete
Lisfranc Fracture and Diastasis in the Athlete
Absorbable Implants in Foot and Ankle Surgery
Sports Medicine Course of the Foot and Ankle
Palm Springs, CA
March 26-30, 2001

Lateral Column Lengthening
Hammertoe and Claw Toe Deformities
Surgical Management of Foot and Ankle Problems in General Practice
Orthopaedic Learning Center
Rosemont, IL
May 4-6, 2001

Plantar Approach for Isolated Fibular Hallux Sesamoidectomy, Robert Anderson, Marc Milia, W. Hodges Davis
Complications in Rheumatoid Foot and Ankle Reconstruction: Analysis of 718 Procedures in 103 Patients, Christopher Bibbo, Robert Anderson, W. Hodges Davis
17th Annual Summer Meeting of American Orthopaedic Foot and Ankle Society
San Diego, CA
July 19-21, 2001

Ankle Instability and Sequelae
Posterior Tibial Tendon Insufficiency
Inaugural Aircast Foot and Ankle Lectureship
University of Michigan
Ann Arbor, MI
November 3, 2001

The Achilles Tendon – Chronic Rupture
Why Does Surgery for Hallux Valgus Fail? A Discriminating Look At Causes of Complications
Lateral Column Lengthening/Distracton Arthrodesis aka the Modified Evans Procedure
Complications of Hallux Valgus Surgery – An Overview of Radiographic Evaluation and Decision Making
American Academy of Orthopaedic Surgeons
69th Annual Meeting
Dallas, TX
February, 2002

Posterior Tibial Dysfunction
Lateral Column Lengthening
Foot and Ankle Surgical Techniques for the New Millennium
OLC Course #3402
Rosemont, IL
March, 2002

Triple Arthrodesis
Ace-Depuy Learning Center
Baltimore, MD
April, 2002

Lisfranc Injuries
Midfoot Arthrodesis/Anchovy Arthroplasty
Modified Broström-Evans Procedure
2002 Nathaniel Gould Foot and Ankle Lecture Series
University of Vermont April, 2002

Tarsal Coalition: Adolescent and Adult – When To Fuse
Extra-articular Osteotomies
Turf Toe and Its Variants – Early and Late Treatment
Lateral Column Disease: Fusion vs Resection Arthroplasty of the TMT
Posterior Heel Pain/Posterior Impingement Syndrome: Open and
Endoscopic Techniques
Treatment Options For The Comminuted Calcaneus Fracture: Role of the
Primary Fusion
Advanced Foot and Ankle Course San Francisco, CA, May, 2002

Partial Syndactylization for the Painful Interdigital Clavus, Paul Siffri,
M.D., Robert Anderson, M.D., W. Hodges Davis, M.D.
Arthrodesis for Degenerative and Post Traumatic Arthritis of the Midfoot,
Jason Pleimann, M.D., Robert Anderson, M.D., W. Hodges Davis, M.D.,
Bruce Cohen, M.D.
Repair of Achilles Tendon Sleeve Avulsions: Quantitative and Functional
Evaluation of Transcalcaneal Suture Technique, Christopher Bibbo, D.O.,
Robert Anderson, M.D., W. Hodges Davis, M.D., Michael Agnone, PT.
American Orthopaedic Foot and Ankle Society
18th Annual Summer Meeting
Traverse City, MI
July, 2002

Lisfranc Fracture-Dislocation: Treatment and Long-Term Outcome
First MTP Pain in the Athlete
Lateral Ankle Instability: Diagnosis and Treatment
Pennsylvania Orthopaedic Society
Upper Extremity, Foot and Ankle Course
Philadelphia, PA
November, 2002

Fractures of the Metatarsals and Compartment Syndrome
High and Chronic Ankle Sprains
Tendon Transfer with Calcaneal Osteotomy Lateral Column Lengthening
American Academy of Orthopaedic Surgeons
Foot and Ankle: Current Concepts and Practical Solutions
Washington, D.C.
December, 2002

Lateral Column Lengthening in the Adult Acquired Flatfoot
Achilles Tendon – Chronic Rupture
Complications of Hallux Valgus Surgery – An Overview of Radiographic
Evaluation and Decision Making
American Academy of Orthopaedic Surgeons
70th Annual Meeting New Orleans, LA February, 2003

Use of Absorbable Screws and Pins
My Worst Complication
American Orthopaedic Foot and Ankle Society 33rd Annual Winter
Meeting
New Orleans, LA
February, 2003

Turf Toe Injuries of the Hallux MP Joint
National Football League Physicians Society
Annual Scientific Meeting
Indianapolis, IN
February, 2003

Schematic Steps for Flexor to Extensor Tendon Transfer
Plantar Approach for Fibular Hallux Sesamoidectomy
Advanced Techniques In Foot and Ankle Surgery Course #3610
Orthopaedic Learning Center
Rosemont, IL
March, 2003

Subtalar and Combined Instability: Diagnosis and Treatment
Being a Team Physician in 2003: Is It Worth The Risk?-Keynote address
Peroneal Tendon Subluxation and Dislocation
Absorbable Implants in Foot and Ankle Surgery
Hallux Rigidus in the Athlete: Does Surgery Work?
Sports Medicine of the Foot and Ankle Course
American Orthopaedic Foot and Ankle Society
Snowmass, CO
March, 2003

Fifth Metatarsal Fractures
Sports Medicine 2003: An NFL Perspective
NFL Physicians Society
San Francisco, CA
May, 2003

Cheilectomy and Moberg Osteotomy in the Athlete
Implant Arthroplasty of the Lateral Column
Shockwave Therapy for Plantar Fasciitis
The All-American Procedure for Stage IIIA Deformities
Advances in Foot and Ankle Surgery
Napa Valley, CA
June, 2003

The Effects of Osteoarthritis On The Results of Lateral Ankle Reconstruction of the Unstable Ankle
presented by Dr. Alec Kessler
American Orthopaedic Foot and Ankle Society 19th Annual Summer Meeting
Hilton Head, SC
June, 2003

Evaluation of Hallux Alignment and Functional Outcome After Isolated Tibial Sesamoidectomy, Simon Lee, William James, Bruce Cohen, W. Hodges Davis, Robert Anderson
American Orthopaedic Foot and Ankle Society 19th Annual Summer Meeting
Hilton Head, SC
June, 2003

Functional Outcomes of Isolated Hallux Interphalangeal Joint Fusion, William James, Robert Anderson, W. Hodges Davis, Bruce Cohen, Simon Lee
American Orthopaedic Foot and Ankle Society 19th Annual Summer Meeting
Hilton Head, SC June, 2003

Flexor Hallucis Longus (FHL) Tendon Graft for Achilles Tendon Repair: An Anatomic Study, Gregg Lundeen, Josephine Dion, Bruce Cohen, Robert Anderson, W. Hodges Davis
American Orthopaedic Foot and Ankle Society 19th Annual Summer Meeting
Hilton Head, SC
June, 2003

Selected Injuries of the Foot and Ankle in Sports
American Sports Medicine Institute
Birmingham, AL
October 6, 2003

Lisfranc, Jones, and Navicular Fracture Treatment
Foot and Ankle: Trauma, Reconstruction, and Sports – Controversies in Treatment
American Academy of Orthopaedic Surgeons
San Francisco, CA
October, 2003

Lisfranc Injuries and Plantar Fascial Rupture
National Football League Physicians Society Annual Scientific Meeting
Indianapolis, IN
February 20, 2004

Why Does Hallux Valgus Surgery Fail?
The Achilles Tendon – Injury and Repair
Sports Injuries of the Foot and Ankle: Surgical Techniques to Speed
Return to Play
American Academy Orthopaedic Surgeons 71st Annual Meeting
San Francisco, CA
March, 2004

Spotlight on Surgical Techniques: Turf Toe and Sesamoid Injuries
American Orthopaedic Sports Medicine Specialty Day
American Academy Orthopaedic Surgeons 71st Annual Meeting
San Francisco, CA
March, 2004

High Ankle Sprain
NFL Spring Annual Meeting
Palm Beach, FL
March, 2004

Stage II AFFD: Surgical treatment options and indications (calcaneal
osteotomy, lateral column lengthening, medial procedures, spring ligament
reefing)
Tarsal Coalition: Adolescent and Adult
Turf Toe and Its Variants
Arthroplasties of the Forefoot and Lateral TMT Joints
Management of the OCD
AOFAS Advanced Foot & Ankle Course
Baltimore, MD
April, 2004

High Ankle Sprains
2004 NFL Coaches Career Development Symposium
Orlando, FL
May, 2004

Case-Based Diagnosis and Treatment of Foot and Ankle Injuries in the
Athlete
National Athletic Trainers Association 55th Annual Meeting
Baltimore, MD
June, 2004

Debate: Osteotomies for Correction of Bunion Deformity
American Orthopaedic Foot & Ankle Society
20th Annual Summer Meeting
Seattle, WA
July, 2004

Patient Safety
Lisfranc, Jones and Navicular Fracture Treatment
Tarsal Coalition in the Adolescent and Adult
Diagnostic and Treatment Strategies for the Foot and Ankle
Course #3531
Chicago, IL
October, 2004

Sports Injuries of the Foot and Ankle: Surgical Techniques to Speed
Return-To-Play
Athletic Injuries of the Foot and Ankle
The Achilles Tendon: Injury and Repair
Why Did My Forefoot Surgery Fail and What Can I Do About It?
72nd Annual Meeting, American Academy of Orthopaedic Surgeons
February, 2005

High Ankle Sprains
National Football League Physicians Society Annual Scientific Meeting
Indianapolis, IN
February 24, 2005

Non-anatomic Ankle Instability Repair and Revision Surgery
Jones Fractures: Surgical Treatment
Syndesmosis Injuries: Conservative and Surgical Management
Lisfranc Fractures: Diagnosis and Management
Bioabsorbable Implants: Pros and Cons
2005 Sports Medicine of the Foot and Ankle
Scottsdale, AZ
April 28 – May 1, 2005

What's New in Foot and Ankle Surgery?
Ankle Instability: Evaluation and Treatment
8th Annual Spring Sports and Orthopaedic Conference
Minneapolis, MN
June 2-3, 2005

Modified Lapidus Procedure
Anchovy Arthroplasty of the Hallux MP Joint
Implant Arthroplasty of the Lateral Column
Shockwave Therapy for Plantar Fasciitis: High vs Low Energy
Turf Toe and the Hallux MP Joint
The All-American Procedure for Stage II Deformities
Advances in Foot and Ankle Surgery II
Wright Medical Technology
New York, NY
December 9-10, 2005

Foot and Ankle Injuries in the Athlete
Grand Rounds
Ohio State University, Department of Orthopaedics
Columbus, OH
January 13, 2006

Overview/Schematic Steps
Videotaped Surgical Demonstrations:
Fibular Groove Deepening and Retinacular Imbrication Peroneal Tendon
Achilles Turndown with Flexor Hallucis Longus Tendon Transfer
Advanced Techniques in Foot and Ankle Surgery, OLC course
Rosemont, IL
February 3-5, 2006

Why Did My Forefoot Surgery Fail and What Can I Do About It?
Sports Injuries of the Foot and Ankle: Surgical Techniques to Speed
Return-to-Play
73rd Annual Meeting, American Academy of Orthopaedic Surgeons
Chicago, IL
March, 2006

Turf Toe
Failed Hammertoe and Clawtoe Surgery – Why Does It Happen and How
I Manage Them
Failed Bunion Surgery: My Approach
AOFAS Advanced Foot and Ankle Course: Reconstruction and Salvage
of Complications
Atlanta, GA
April 27-29, 2006

OCD of the Talus: New Techniques
Grand Rounds, Medical College of Milwaukee
Milwaukee, WI
May 3, 2006

Ligament Repair vs Free Graft Anatomic Reconstruction
Sesamoid Fractures
Repair of Turf Toe Plantar Plate Injury
American Orthopaedic Foot and Ankle Society Summer Meeting
La Jolla, CA
July 12-16, 2006

Sports Injuries of the Foot and Ankle
Grand Rounds, William Beaumont Hospital
Royal Oak, Michigan
October 16, 2006

Management of Complex Foot and Ankle Injuries in the Athlete
Panelist: Orthopaedics and the Athlete
Why Did My Forefoot Surgery Fail and What Can I Do About It?
Surgical Techniques in the Management of the Adult Flatfoot
American Academy of Orthopaedic Surgery 74th Annual Meeting
San Diego, CA
February 14-18, 2007

Review and Insight: Treatment of OCD of the Talus in Athletes
American Orthopaedic Society for Sports Medicine
2007 Subspecialty Day
San Diego, CA
February 17, 2007

Managing Athletic Foot and Ankle Injuries
Moore Lecture – Philadelphia Orthopaedic Society
Philadelphia, PA
March 12, 2007

Advanced Solutions for Foot & Ankle – DePuy
St. Petersburg, Florida
April 13-14, 2007
Moderator: Ankle Replacement. Complex Deformity and Salvage
How to Push the Limit and Avoid Arthrodesis
Turf Toe Reconstruction
Techniques for Intramedullary Fixation for Arthrodesis and Malunion
Peroneal Tendon Reconstruction
Stress Fractures of the Navicular
Groove Deepening for Peroneal Instability

Peroneal Tendon: Tenosynovitis/Tendon Tears
Panel Discussions and Case Controversies: (Talar OCD)
Plantar Fascia: Management of the Acute Rupture and the Sequelae
AOFAS Course: From the Playground to the Stadium: A Comprehensive
Update on the Management of Sports Injuries of the Foot and Ankle
May 3-5, 2007
Oak Brook, IL

REGIONAL:

Intracortical Osteosarcoma
North Carolina Orthopaedic Association State Meeting
Wrightsville Beach, North Carolina, 1987

Management of the Diabetic Foot
Regional Symposium - National Podiatric Society
Charlotte, North Carolina, 1990

Salvage of the Diabetic Foot
North Carolina/South Carolina Orthopaedic Association meet
Charleston, South Carolina, 1992

Management of the Diabetic Ulcer
Southeast Regional Association of ET Nurses
Charlotte, NC
October, 1993

Current Concepts in the Treatment of Diabetic Foot
MCW Alumni Meeting
Charlotte, NC
October, 1993

Evaluation and Treatment of Charcot-Marie-Tooth Disease
National Association of Orthopaedic Nurses
Charlotte, North Carolina
March, 1994

Office Management of Foot and Ankle Problems
Charlotte Postgraduate Seminar
Charlotte, NC
October, 1995

Ankle Sprains
Regional Review Course
Charlotte, NC October, 1995

Soft Tissue Injuries of the Foot and Ankle and Injuries of the Great toe and Sesamoids"

Athletic Injuries of the Foot and Ankle, A Sports Medicine Symposium
Charlotte, NC
January, 1996

Nonoperative Treatment of Diabetic Foot
The Regional Prosthetic-Orthotic Centers Seminar
Charlotte, NC
September 10, 1997

Disorders of the Great Toe
Athletic Injuries of the Foot and Ankle
Charlotte, NC
May 9, 1998

Office Treatment of Common Foot Problems
North Carolina Orthopaedic Association
Asheville, NC
October 9-13, 1998

Diabetic Foot Ulcer
Stanley County Medical Society
Albemarle, NC
October 13, 1998

Achilles Tendon Disorders
Greenville Orthopaedic Day
Greenville Hospital System
Greenville, SC
June 2, 2000

Plantar Approach for Isolated Fibular Hallux Sesamoidectomy –
Marc Milia, M.D., Troy Watson, M.D., Gregory Berlet, M.D., W. Hodges
Davis, M.D., Robert Anderson, M.D.

Turf Toe
Long Term Outcome of the Transmalleolar Osteotomy
21st Annual Oscar Miller Day – Symposium on Foot & Ankle in Sports
Activities
Charlotte, NC
November 9, 2001

Diagnostic and Surgical Management of the Turf Toe Injury
2002 Annual Meeting – North Carolina Orthopaedic Association
Asheville, NC October, 2002

Evaluation & Diagnostic Techniques, Surgical and Non-surgical
Treatment of Injuries to the Great Toe, Lisfranc Injuries, and Syndesmotoc
Injuries

Southern Conference Athletic Trainers Annual Meeting
Charleston, SC May, 2004

Ankle Sprains: Lateral and High Ankle
Turf Toe Injuries: Acute vs Chronic Sequelae
2005 Sports Medicine Symposium
Charlotte, NC
January 22, 2005

Indirect Ankle Fractures (excluding syndesmotoc injuries)
American Academy of Orthopaedic Surgeons
Foot and Ankle Trauma Management – Calcaneal, Talar, and Lisfranc
Fractures
Charlotte, NC
June 11, 2005

Ankle Sprains: Acute and Chronic
Hallux MP Problems: Hallux Rigidus and Sesamoiditis
2006 Spring Symposium – Current Concepts in the Management of Foot
and Ankle Disorders
Charlotte, NC
April 8, 2006

Fixation of Jones Fractures
Fourth and Fifth TMT Arthroplasty
Total Joint Replacement and Extremity Fixation – Mobile Medical
Education
Wright Medical Technology
Charlotte, NC
June 23, 2006

Sports Injuries of the Foot and Ankle
University of South Carolina Sports Medicine Journal Club
Columbia, SC
September 19, 2006

Talar OCD in Athletes
Jones Fracture
Inaugural Grand Rounds, Research Triangle Park Orthopaedic Society
Chapel Hill, North Carolina
October 17, 2006

Talus Fractures
Southeastern Fracture Symposium 2007
Greensboro, North Carolina
January 12, 2007

TAB 3

Curriculum Vitae

IRA R. CASSON, M.D.

Personal Information

NAME: Ira R. Casson, M.D.
DATE OF BIRTH: April 06, 1949
PLACE OF BIRTH: Brooklyn, New York
CITIZENSHIP: U.S.A.
CURRENT ADDRESS: Office: 112-03 Queens Boulevard
Forest Hills, N.Y. 11375
(718) 544-6633
MARITAL STATUS: Married (2 sons)

EDUCATION:

June 1971 Graduated: A.B.
Cum Laude in Biology & with distinction in all
subjects
Cornell University , Ithaca, N.Y.
June 1975 Graduated: M.D.
New York University School of Medicine
New York, N.Y.

HOSPITAL AND UNIVERSITY APPOINTMENTS

July 1975 – June 1976 Intern, Long Island Jewish Hospital
New Hyde Park, N.Y.
July 1976 – June 1979 Resident - Neurology
N.Y.U. Medical Center, New York, N.Y.
July 1979 – June 1982 Physician-in-charge, Division Neurology
Queens Hospital Center, Jamaica N.Y.

IRA R. CASSON, M.D.

July 1979 – Present Attending, Department of Neurology
Long Island Jewish Hospital
New Hyde Park, N.Y.

1985 – 2000 Chief, Division of Neurology
The Parkway Hospital
Forest Hills, N.Y.

2001 – Present Attending, Division of Neurology
The Parkway Hospital
Forest Hills, N.Y.

1991 – Present Assistant Professor, Clinical Neurology
Albert Einstein College of Medicine
Bronx, N.Y.

July 1981 – 1990 Assistant Professor, Clinical Neurology
State University of New York
At Stony Brook

January 1980 -2003 Instructor, Neurology
New York University School of Medicine

1982 – Present Private Practice, Clinical Neurology
Forest Hills, N.Y.

LICENSE:

1976 Licensed M.D. in New York

October 1980 Board Certified (Neurology)
American Board of Psychiatry and Neurology

1976 Diplomat, American Board of Medicine
Examiners

HONORS:

1971 Phi Beta Kappa – Cornell University, Ithaca,
N.Y.

July 1978 – June 1979 Chief Resident, Neurology
Bellevue Hospital, N.Y., N.Y.

IRA R. CASSON, M.D.

SOCIETIES:

1980 – Present	American Academy of Neurology Active Member
1980 – Present	Queens County Medical Society
1980 – Present	New York State Medical Society
1980 – Present	American Medical Association

MEDICAL PRESENTATIONS, CONFERENCES AND CONSULTATION POSITIONS

- Presentation at New York State Conference on Medical Aspects of Boxing, October 1982.
- Medical Consultant to Sports Illustrated for article which appeared on April 11, 1983.
- Guest Speaker – “Chronic Brain Damage in Boxing,” Grey Cup Sports Medicine Symposium, Vancouver, Canada – November 1983.
- Manuscript Reviewer of medical articles for JAMA 1986 – 1993, for NeuroSurgery, 2006-Present.
- Neurological Consultant, New York Jets, New York Islanders, 1994 – Present.
- Co-Organizer, NFL Conference on Health and Safety – MTBI, Chicago, Illinois, June 2007
- Multiple Medical Presentations on Clinical Topics in MTBI at NFL Conference on Health and Safety – MTBI, Chicago, Illinois, June 2007

COMMITTEE ACITIVITIES

1994 – Present	National Football League Subcommittee on MTBI, Original Member
March 2007 – Present	National Football League Subcommittee on MTBI, Co-Chairman

IRA R. CASSON, M.D.

BIBLIOGRAPHY

- Lieberman, Kupersmith, Casson et al: "Bromocriptine and Lergotrile – Comparative Efficacy in Parkinson's Disease" The Extra pyramidal System and Its Disorders, Advances Neurology Vol. 24, Raven Press, N.Y. 1979.
- Lieberman, Kupersmith, Neophytides, Casson et al: "Bromocriptine Mesylate in Parkinson's Disease," New York State Journal of Medicine, 79: 1689, 1979.
- Lieberman, Kupersmith, Neophytides, Casson et al: "Treatment of Parkinson's Disease with Dopamine Agonists – A Review," American Journal of the Medical Sciences, 278: 65, 1979.
- Lieberman, Neophytides, Casson et al: "Huntington's Disease," New York State Journal of Medicine, 79: 1188, 1979.
- Lieberman, Kupersmith, Neophytides, Gopinathan, Casson: "Bromocriptine in Parkinson's Disease " in Ergot Compounds and Brain Function, Raven Press, N.Y., 1980.
- Lieberman, Kupersmith, Neophytides, Casson et al: "Long-term Efficacy of Bromocriptine in Parkinson's Disease." Neurology, 30: 518, 1980.
- Blau, Casson, et al: "The Not-So-Benign Miller Fisher Syndrome," Archives of Neurology. 37: 384-385, 1980.
- Casson et al: "Subdural Empyema," New York State Journal of Medicine, 81: 38991, 1981.
- Casson et al: "Eosinophilic Granuloma of the Cervical Spine in an Adult," New York State Journal of Medicine, 81: 1102 – 1104, 1981.
- Casson et al: "Neurologic and CT Evaluation of Knocked – Out Boxers," Journal of Neurology, Neurosurgery and Psychiatry, 45: 170 – 174, 1982
- Casson, Siegel, Sham, Campbell, Tarlau, Di Domenico: "Brain Damage in Modern Boxers," JAMA 1984: 251: 2663-2667.
- Casson, Siegel, Ames: "Chronic Brain Damage in Boxers," Hospital Medicine, 1985

IRA R. CASSON, M.D.

- Casson: "Neurologic Syndromes in Boxers," Neuro View – Trends in Clinical Neurology, 1985: 1 – 4
- Casson: "Neurology," World of Medicine, 1986 Medical and Health Annual of Encyclopedia Britannica, pp. 278 – 282, Chicago, 1986
- Pellman EJ, Viano DC, Tucker AM, Casson IR, Waeckerle JF. Concussion in Professional Football: Reconstruction of Game Impacts and Injuries. Neurosurgery 53:799-814, 2003.
- Pellman EJ, Viano DC, Tucker AM, Casson IR, Waeckerle JF. Concussion in Professional Football: Location and Direction of Helmet Impacts - Part 2. Neurosurgery 53:1328-1341, 2003.
- Pellman EJ, Powell JW, Viano DC, Casson IR, Tucker AM, Feuer H, Lovell M, Waeckerle JF, Robertson DW. Concussion in Professional Football: Epidemiological Features of Game Injuries and Review of the Literature - Part 3. Neurosurgery, 54:81-97, 2004.
- Pellman EJ, Viano DC, Casson IR, Tucker AM, Waeckerle JF, Powell JW, Feuer H. Concussion in Professional Football: Repeat Injuries - Part 4. Neurosurgery 55:860-876, 2004.
- Pellman EJ, Viano DC, Casson IR, Arfken C, Powell J. Concussion in Professional Football: Injuries Involving 7+ Days Out - Part 5. Neurosurgery 55:1100-1119, 2004.
- Pellman EJ, Lovell MR, Viano DC, Casson IR, Tucker A. Concussion in Professional Football: Neuropsychological Testing - Part 6. Neurosurgery 55:1290–1305, 2004.
- Pellman EJ, Viano DC, Casson IR, Arfken CA, Feuer H. Concussion in Professional Football: Players Returning to the Same Game - Part 7. Neurosurgery 56: 79-92, 2005.
- Viano DC, Pellman EJ. Concussion in Professional Football: Biomechanics of the Striking Player – Part 8. Neurosurgery 56:266-280, 2005.
- Viano DC, Casson IR, Pellman EJ, Zhang L, King AI, Yang KH. Concussion in Professional Football: Brain Responses by Finite Element Analysis – Part 9. Neurosurgery, 57:891-916, 2005.

IRA R. CASSON, M.D.

- Viano DC, Casson IR, Pellman EJ, Bir CA, Zhang L, Sherman D, Boitano M. Concussion in Professional Football: Comparison with Boxing Head Impacts – Part 10. Neurosurgery, 57(6):1154-1173, 2005.
- Pellman EJ, Viano DC, Withnall C, Shewchenko N, Bir CA, Halstead PD. Concussion in professional football: helmet testing to assess impact performance--part 11. Neurosurgery, 58(1):78-96; 2006.
- Pellman EJ, Lovell MR, Viano DC, Casson IR. Concussion in Professional Football: Recovery of NFL and High School Athletes Assessed by Computerized Neuropsychological Testing - Part 12. Neurosurgery 58:263-274, 2006.
- Casson IR, Pellman EJ, Viano DC. Letter-to-Editor: Chronic traumatic encephalopathy in a National Football League player. Neurosurgery, 58(5):E1003; author reply E1003; discussion E1003, 2006.
- Viano DC, Casson IR, Pellman EJ. Concussion in Professional Football: Biomechanics of the Struck Player – Part 14. Neurosurgery 61:313–328, 2007.
- Casson IR, Pellman EJ, Viano DC. 2nd Letter-to-Editor: Chronic Traumatic Encephalopathy in a National Football League Player. Neurosurgery, 59(5): E1152, Nov., 2006.
- Casson IR, Pellman EJ, Viano DC. Concussion in the National Football League: An Overview for Neurologists. for Neurologic Clinics 2007.
- Casson IR, Viano DC, Pellman EJ. Summary of the “NFL Player Health and Safety Meeting” Chicago IL, June 19, 2007. Submitted to Neurosurgery, October 2007.

TAB 4

CURRICULUM VITAE
Michael J. Coughlin, M.D.

Up dated 9/12/2007

EDUCATION

Primary and Secondary Education, Boise, Idaho
B.A. and B.S. Degrees, University of Oregon, Eugene, June 1970
M.D., University of Oregon Medical School, Portland, June 7, 1974

ORTHOPAEDIC TRAINING

Internship-University of California, San Francisco, 1974-1975
Residency-University of California, San Francisco, 1975-1978
Board Certification, American Board of Orthopaedic Surgery, September 5, 1980

FELLOWSHIP IN ORTHOPAEDIC FOOT SURGERY

Samuel Merritt Hospital, Oakland, California, 1978

PROFESSIONAL AFFILIATIONS (date of acceptance)

German Orthopedic Foot & Ankle Society, March 1, 2000
Israeli Orthopaedic Foot & Ankle Society, September 4, 1998
South African Orthopaedic Association, October 1998
Mid America Orthopaedic Association, April 24, 1996
American Orthopaedic Association, June 13, 1991
American Academy of Orthopaedic Surgeons, March 13, 1983
American Board of Orthopaedic Surgery, September 5, 1980
American Orthopaedic Foot & Ankle Society, March 9, 1983
North Pacific Orthopaedic Association, May 11, 1984
Mid-America Orthopaedic Association, April 24, 1996
Idaho Orthopaedic Association, February 19, 1979
Idaho Medical Association, February 19, 1979
Alpha Omega Alpha Honorary Medical Society, Univ. of Oregon, June 6, 1974

TEACHING APPOINTMENTS

Clinical Professor, Oregon Health Science University Division of
Orthopaedic Surgery & Rehabilitation, appointed May 1994
Clinical Associate Professor, Oregon Health Science University Division of
Orthopaedic Surgery & Rehabilitation, appointed July 1989
Clinical Assistant Professor, Oregon Health Science University Division of
Orthopaedic Surgery & Rehabilitation, appointed July 1986
Clinical Instructor, Oregon Health Science University Division of
Orthopaedic Surgery & Rehabilitation, appointed February 1983

STAFF AFFILIATIONS

Director, Idaho Foot & Ankle Fellowship, Boise, Idaho
St. Alphonsus Regional Medical Center, Boise, Idaho
Treasure Valley Hospital, Boise, Idaho
Private Practice, Boise, Idaho

PROFESSIONAL APPOINTMENTS

President, North Pacific Orthopedic Society

September 2006-September 2007

Member, Board of Directors, Idaho Independent Bank, Coeur d'Alene, Idaho
May 2007

Co-chair, National Football League Injury Committee, New York NY. April 2007

Member, National Football League Injury Committee, New York NY. April 2005

Associate Editor, Foot Medicine and Surgery, Paris, France, September 15,
2005

President, International Federation of Foot & Ankle Societies, 2002=2005

President Elect, International Federation of Foot & Ankle Societies, 1999-2001

Director, Medical Education, American Orthopaedic Foot & Ankle
Society, 1998-2001

Program Chairman, South African Orthopaedic Association Instructional Course
for Foot & Ankle Surgery Durban, South Africa, April 1999

Course Coordinator, 2nd Comprehensive Course on Operative Foot Surgery,
Israel, May 1998.

Course Chairman, Advanced Foot & Ankle Course: Reconstruction & Salvage
of Complications, San Francisco, California, May 1997

Course Chairman, American Academy of Orthopaedic Surgeons Instructional
Course Lectures, Foot & Ankle Section, San Francisco, California, May 1996

Program Chairman, North Pacific Orthopaedic Society Meeting, Sun Valley,
Idaho, Sept. 1995

Course Chairman, Advanced Foot & Ankle Course: Reconstruction & Salvage
of Complications, Phoenix, Arizona, March 1995

Chairman, American Academy of Orthopaedic Surgeons Instructional Course
Lectures, Foot & Ankle Section, Orlando, Florida, Feb. 1995

Chairman, American Academy of Orthopaedic Surgeons Instructional Course
Lectures, Foot & Ankle Section, New Orleans, Louisiana, Feb. 1994

Course Chairman, American Orthopaedic Foot & Ankle Society Sports Medicine
of the Foot & Ankle, Sun Valley, Idaho, Jan. 1994

Co-Course Chairman, American Academy of Orthopaedic Surgeons Continuing
Education Course: Advanced Reconstructive and Traumatic Surgery of the
Foot, New York, NY, May 1993

Chairman, American Academy of Orthopaedic Surgeons Instructional Course
Lectures, Foot & Ankle Section, Orlando, Florida, Feb. 1993

Course Chairman, American Academy of Orthopaedic Surgeons Continuing
Education Course: Comprehensive Foot & Ankle Course, San Francisco,
California, Nov. 1991

President, American Orthopaedic Foot & Ankle Society, July 1990-July 1991

Course Chairman, American Academy of Orthopaedic Surgeons Continuing
Education: Comprehensive Foot & Ankle Course, Chicago, Illinois, Nov. 1990

President-Elect, American Orthopaedic Foot & Ankle Society, July 1989-July
1990

Site Chairman, Fifth Annual Summer Meeting of the American Orthopaedic Foot
& Ankle Society, Sun Valley, Idaho, Aug. 1989

Vice President, American Orthopaedic Foot & Ankle Society, July 1988-July 1989

Program Chairman, Nineteenth Annual Meeting of the American Orthopaedic Foot & Ankle Society, Las Vegas, Nevada, Feb. 1989

Program Chairman, Eighteenth Annual Meeting of the American Orthopaedic Foot & Ankle Society, Atlanta, Georgia, February 1988

Program Chairman, Third Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society, Santa Fe, New Mexico, July 1987

Program Chairman, Second Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society, Vail, Colorado, July 1986
Program Chairman, Idaho Orthopaedic Association, 1986
President, Idaho Orthopaedic Association, Nov. 1985-Nov. 1986
Chief of Orthopaedic Surgery, St. Alphonsus Regional Medical Center, Feb. 1985-Feb. 1987

SPECIAL AWARDS

Alpha Omega Alpha Medical Honorary Society--1973
Vernon Thompson Award, Western Orthopaedic Association—Outstanding Resident Paper—Treatment of Infected Total Joint Replacement--1977
Roger A. Mann Award—Medical Research—Outstanding Scientific Study at the 11th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society, Vail, Colorado, Juvenile Hallux Valgus: Demographics & Parameters for Surgical Treatment, July 22, 1995
Roger A. Mann Award—Medical Research—Outstanding Scientific Study at the 16th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society, Vail, Colorado, The Reliability of Angular Measurements in Hallux Valgus Deformities (with Elisha Freund, M.D., July 13, 2000

COMMITTEE APPOINTMENTS

Chairman, International Affairs Committee, American Orthopaedic Foot & Ankle Society, 1998-2001
Chairman, American Orthopaedic Foot & Ankle Society Education Committee. 1993-1996
Managerial Board, Foot & Ankle International Journal, 1992-1995
American Academy of Orthopaedic Surgeons Public Education Committee, 1990-1993
American Academy of Orthopaedic Surgeons Committee of the Foot & Ankle, 1991-1992
Board of Directors, Idaho Diabetes Management Center, 1990
American Orthopaedic Foot & Ankle Society Site Selection Committee, 1989-1990
American Orthopaedic Foot & Ankle Society Program Committee, 1986-1988

SCIENTIFIC PRESENTATION

Imaging and Decision Making of Hallux Valgus
Distal First Metatarsal Osteotomy for Bunion Correction
First MTP Joint Arthrodesis
Post Operative Hallux Valgus Complications
The Treatment of Juvenile Hallux Valgus
Bunionette Assessment and Treatment
Treatment of Club Foot
Treatment of Neglected Achilles' Tendon Rupture
Evaluation and Treatment of Talus Fractures
Evaluation and Treatment of Calcaneal Fractures
Evaluation and Treatment of Osteochondral Lesions of the Talus

Hindfoot and Subtalar Arthrodesis: Treatment Algorithm
Triple Arthrodesis
Evaluation and Treatment of Posterior Tibial Tendon Disease:
Reconstruction with Lateral Column Lengthening
Lateral Ankle Instability: Reconstruction with a Hamstring Graft
**2007 Foot and Ankle Surgery Course Program
of the Chinese Orthopaedic Association**
Shanghai, China

Hindfoot nonunions
Whats new in Total ankle replacement
82nd Annual Meeting of the North Pacific Orthopedic Association
Sun Valley Idaho September 13-15, 2007

Complex Salvage of Failed Lapidus Repair
The Agony of De Feet
Advanced Foot and Ankle Course,
Toronto Canada July 12, 2007

Reconstruction of the lateral ankle ligaments
Demographic, etiology, and radiographic findings associated with crossover
second toe deformity
**23rd Annual Summer Meeting of The American Orthopedic Foot and Ankle
Society**
Toronto, Canada,
July 13-15, 2007

My total ankle experience. M J Coughlin
2nd International congress on total ankle replacement and arthritis
July 14, 2005, Boston Ma.

Hallux Valgus: demographics, radiopgraphic assessment and clinical outcomes.
Comparison of radiographs and CT scans in evaluating healing of hindfoot
arthrodesis.
**21st annual summer meeting of the American Orthopedic Foot and Ankle
Society**
Boston Ma, July 15 –17, 2005

Imaging of the foot and ankle in hallux valgus surgery: decision making and
surgical indications
First MTP arthrodesis
Hallux Rigidus: assessment and treatment
Juvenile Hallux Valgus
Bunionettes" assessment and treatment
Morton's neuroma: evaluation and treatment
Triple arthrodesis: indications and surgical technique
Calcaneal fractures: evaluation and treatment, assessment and surgical
treatment including primary arthrodesis
Lateral ankle instability: use of gracilis graft in stabilization
Repair of neglected Achilles tendon rupture

Achilles tendinopathies: proximal and distal disease. Evaluation and treatment.
First Comprehensive Turkish Foot and Ankle Surgery Course
Turkish Orthopedic Foot and Ankle Society
Istanbul, Turkey
September 23-24, 2005

Results of the pivotal study of the STAR prosthesis: 2000-2005. The USA experience
Comparison of radiographs and CT scans in evaluating healing of hindfoot arthrodesis
Presidential Address: The future of foot and ankle surgery in the future!!
Prospective CT scan evaluation of hindfoot non-unions treated with revision surgery and low-intensity ultrasound stimulation
Hallux Valgus and first ray mobility: a cadaveric study.
Hallux valgus: demographics, radiographic assessment and clinical outcome.
Second Joint Meeting of the International Federation of Foot and Ankle Societies. Naples, Italy
September 15-18, 2005

Ultra sound enhancement of hindfoot fusions: the role in non-union, smokers, and fresh fusions
Second MTP joint instability: how I gain a functional result in this difficult problem
Juvenile Hallux Valgus: Is a child just a small adult
Second World Foot and Ankle Congress
Toronto, Canada
May 12-213, 2005

OATS procedure for OLT
Turf toe: evaluation and treatment
Surgical treatment of hallux rigidus in the athlete
Complications of Achilles Tendon Repair and reconstructions: techniques for failed repairs.
Anatomic ankle reconstruction with a gracilis graft
Fractures of the navicular in athletes
Sports Medicine of the Foot and Ankle-2005
American Orthopedic Foot and Ankle Society
Scottsdale, Arizona April 28-May 1, 2005

My strategy for treatment of disorders of the first ray and lesser toes
Ultrasound enhancement of hindfoot fusions: the role in non-union, smokers, and fresh fusions
Turf toe: evaluation and treatment
Interdigital neuroma. Evaluation and treatment

German Association of the Foot and Ankle
Augsberg, Germany, April 15, 2005

Hallux valgus in the athlete

Metatarsalgia in the athlete
Ankle instability treated with anatomic reconstruction
Achilles tendinosis-evaluation and treatment
41st Annual Orthopaedic Symposium, St. Lukes Hospital
Houston, Texas April 1-2, 2005

Instability of the ankle treated with a free gracilis graft.
Metatarsophalangeal joint range of motion following operative correction of
hallux valgus deformity
**35th Annual Winter Meeting of the American Orthopaedic Foot and Ankle
Society.**
Washington DC, February 26, 2005

Instability of the ankle, evaluation and treatment
Metatarsalgia-evaluation and surgical treatment
The STAR total ankle-the American experience
Hallux rigidus-a 20 year follow-up report on treatment
Hindfoot non-unions-treatment with revision surgery and ultra sound
55th Annual Meeting of the Philippine Orthopedic Society
2nd IFFAS Asian Conference
4th Annual Philippine Foot and Ankle Meeting
Manila, Philippines --November 30-December 4, 2004

Hallux Rigidus-evaluation and treatment
Technique of MTP Arthrodesis
International VII Annual Podiatric Medical Seminar
Sun Valley, Idaho, October 23, 2004

Treatment of Rheumatoid Arthritis of the Foot and Ankle
**32nd Annual Meeting of the Japanese Society of Rheumatism and Joint
Surgery**
Nara Japan October 2, 2004

Proximal Crescentic Metatarsal Osteotomy: The Effect of Saw Blade Orientation
on First Ray Elevation .
Hallux Valgus and First Ray Mobility: A Cadaveric Study
Evaluation of Morton's theory of second metatarsal hypertrophy.
Proximal crescentic osteotomy: the technique and rationale (A DEBATE)
Treatment of hindfoot non-unions with pulsed ultra-sound (POSTER)
**20th Annual Summer Meeting of the American Orthopedic Foot and Ankle
Society Summer Meeting**
Seattle Washington July 24-29, 2004

The congruent Hallux Valgus Deformity
First ray hypermobility and hallux valgus: my perspective
Arthrodesis of the first metatarsophalangeal joint for hallux valgus
Annual Meeting of the Canada Orthopedic Association
Canadian Orthopedic Foot and Ankle Society Annual Meeting
Calgary, Alberta, Canada. June 19-21, 2004

1st Ray Hypermobility and Hallux Valgus: my personal evaluation of the theories of Lapidus and Morton
Hallux Rigidus: Grading and Surgical Treatment
Ultrasound in the treatment of established non-unions of the Hindfoot
Interdigital Neuroma-only the truth!
What really works in Rheumatoid forefoot reconstruction
International Foot and Ankle Congress
New Orleans Louisiana, April 23-March 1, 2004

Arthrodesis as treatment for Hallux Valgus—a long term follow-up
Annual Meeting of the American Orthopedic Foot and Ankle Society
San Francisco California, March 13, 2004

Treatment of hindfoot non-unions with re-operation and low dose ultrasound
Hallux Rigidus: evaluation and treatment.
American College of Foot and Ankle Surgeons Annual Meeting
San Diego, California February 11-15, 2004

Hallux Rigidus: causes and treatment
Visiting Professor, Grand Rounds, University of Southern California School of Medicine, Department of Orthopaedics
Los Angeles, California, October 10, 2003

Hallux Rigidus: demographics, etiology and radiographic evaluation
Hallux Rigidus: long term follow-up of the surgical treatment with arthrodesis and cheilectomy
19th Annual Summer Meeting of the American Orthopedic Foot and Ankle Society Summer Meeting
Hilton Head, SC June 27-29, 2003

Juvenile Hallux Valgus
Arthrodesis of the Hallux MTP Joint
Hallux Rigidus
Ankle Instability – surgical treatment
2nd Pan American Congress of Medicine and Surgery of the Leg and Foot
Vitoria, Brazil. May 1-4, 2003

Peroneal Tendon Problems
Second MTP Instability
Hallux Valgus in the Athlete
Navicular Stress Fractures
Recurrent Ankle Sprains—treatment
Diagnosis and Conservative Treatment of Posterior Tibial Tendon Abnormalities
Haglund's Deformity – diagnosis and treatment
Sports Medicine of the Foot and Ankle
Aspen, Colorado
March 26-30, 2003

Recall of the risks of forefoot surgery after informed consent
First ray mobility and related factors following corrective hallux valgus surgery
33st Annual Meeting of the American Orthopaedic Foot & Ankle Society
New Orleans. La, February 8, 2003

Complications & Salvage of Hallux Valgus Deformities
Evaluation & Treatment of Bunionettes
Fifth Toe Abnormalities
Hallux Valgus: Anatomy, Physiology and Treatment
AAOS Comprehensive Foot and Ankle Course
Washington, D.C December 6-9, 2002

Hallux Rigidus – Evaluation and Treatment
Cheilectomy – Technique and Surgical Demonstration
MTP Arthrodesis – Technique and Surgical Demonstration
Cursos Practicos Sobre Tecnicas Actuales en Cirugia Del Pie
H.H.S.C.J. Hospital San Rafael
Barcelona, Spain
November 22-23, 2002

Hallux Rigidus—a 20 year retrospective study
Testimonial for Roger A. Mann, M.D.
Stanford University School of Medicine
October 19, 2002
Palo Alto, California

Surgical options for the Congruent Joint with hallux valgus
Cheilectomy vs. Fusion for hallux rigidus
Rheumatoid Forefoot—alternatives for treatment.
Total ankle arthroplasty
AVN and stress fractures of the navicular
AOFAS Advanced Foot and Ankle Course
San Francisco, California
May 22-25,2002

Surgical treatment of chronic lateral ankle instability
Stress fractures of the tarsal navicular
North Pacific Orthopedic Association Portland, Oregon
August 23-25, 2002

Juvenile Hallux Valgus
Evaluation and treatment of metatarsalgia
Tripler Army Medical Center
Honolulu, Hawaii June 8, 2002

Metatarsalgia-evaluation and treatment
University of California San Francisco Grand Rounds
April 17, 2002

Indications and use of the Scandanavian Total Ankle
**Visiting Professor, Grand Rounds, University of Southern California School
of Medicine, Department of Orthopaedics**
Los Angeles, California, March 1, 2002

STAR Total Ankle
Fractures of the talus
Calcaneal fractures in the industrial patient
**American College of Foot and Ankle Surgeons and American College of
Foot and Ankle Orthopedics and Medicine Joint Annual Meeting &
Scientific Seminar**
Los Angeles, California, February 28. 2002

Complications & Salvage of Hallux Valgus Deformities
Evaluation & Treatment of Bunionettes
Fifth Toe Abnormalities
AAOS Comprehensive Foot and Ankle Course
Marco Island, Florida, November 8-11, 2001

Metatarsophalangeal Instability in the Athlete
Stress Fractures of the Tarsovascular
21st Annual Oscar Miller Day, Miller Orthopaedic Clinic
Symposium on Foot & Ankle in Sports Activities
Charlotte, North Carolina, November 9, 2001

Current Status of Implant Arthroplasty of the Ankle
Complications of First Metatarsal Surgery
Interdigital Neuromas
Juvenile and Adolescent Hallux Valgus Deformity
The Orthopedic Approach to Hallux Limitus and Rigidus
**Fourteenth Annual North Coast Seminar, Northeastern Ohio Academy of
Podiatric Medicine, Ohio College of Podiatric Medicine**
Cleveland, Ohio, October 25, 2001

Avoiding Complications in Hallux Valgus Surgery
Juvenile Hallux Valgus-Special Considerations
Evaluation & Treatment of the Rheumatoid Foot
First Annual Meeting of the American Podiatric Medical Association
Chicago, Illinois, August 18, 2001

Forefoot Pain: Long-term Results of Ipsilateral Interdigital Neuroma & Crossover
Deformity of the Second Toe
Surgical Treatment of Interdigital Neuroma: A Long-term Follow-up Study
Symposium: The Reliability of Angular Measurements for Hallux Valgus
Deformities--Defining the Problem
Symposium: The Reliability of Angular Measurements for Hallux Valgus
Deformities--Proposed Solution
Short-term Results with 50 Scandinavian Total Ankle Replacements
**17th Annual Summer Meeting of the American Orthopaedic Foot & Ankle
Society**
San Diego, California, July 20, 2001

Reconstruction of the Rheumatoid Foot
Total Ankle Replacement—Experience with the S.T.A.R. Total Ankle
Presidential Guest Speaker
18th Annual Meeting of the Southern Orthopaedic Association
Coeur d'Alene, Idaho, July 19, 2001

Metatarsalgia: Diagnosing and Treating
Rheumatoid Arthritis of the Foot: Evaluation and Treatment
Texas Orthopaedic Association-2001 Annual Meeting
Houston, Texas, May 4, 2001

Chronic Ankle Instability Reconstruction Using Semitendinosus Graft
Navicular Stress Fractures in the Athlete
Sesamoiditis, & Sesamoid Fractures in the Athlete
Posterior Tibial Tendon Dysfunction, Diagnosis & Conservative Treatment
Second MTP Joint Instability
Sports Medicine of the Foot & Ankle, AOFAS Continuing Education Course
Palm Springs, California, March 26-30, 2001

Ankle Sprains, Acute & Chronic: Chronic Ankle Instability—Surgical Treatment
Osteochondral Lesions of the Talus

Northwest Athletic Trainers Association Meeting

Boise, Idaho, March 23, 2001

Hallux Valgus, Complications of Basilar Osteotomies

31st Annual Meeting of the American Orthopaedic Foot & Ankle Society

San Francisco, California, March 3, 2001

Total Ankle Arthroplasty: The S.T.A.R. Total Ankle Technique

68th Annual Meeting of the American Academy of Orthopaedic Surgeons

San Francisco, California, March 2, 2001

Moderator, Metatarsalgia

Primary Interdigital Neuroma: Evaluation & Treatment

Crossover Second Toe: 2001

Moderator, Hallux Valgus

Decision Making in Hallux Valgus

Triple Arthrodesis, Technique & Results

68th Annual Meeting of the American Academy of Orthopaedic Surgeons

Instructional Course Lectures

San Francisco, California, February 28-March 2, 2001

Total Ankle Arthroplasty—Update 2000

Heel Pain: Evaluation & Treatment with Orthotripsy

Idaho Orthopaedic Society Annual Meeting

Sun Valley, Idaho, December 1, 2000

Hallux Valgus Correction with Proximal Crescentic Osteotomy, Techniques & Results

Complications of Salvage Procedures for Hallux Valgus

MTP Arthrodesis

Hammertoes, Fixed & Flexible

American Orthopaedic Foot & Ankle Society Advanced Foot & Ankle Course

Chandler, Arizona, November 2-5, 2000

Hallux Valgus: Evaluation & Treatment

Lesser Toe Deformities: Evaluation & Treatment

American Orthopaedic Foot & Ankle Society Regional Review Course

Los Angeles, California, October 28, 2000

Rheumatoid Arthritis, Evaluation & Treatment of Forefoot Disorders

Juvenile Hallux Valgus: Evaluation & Treatment

Visiting Professor, Grand Rounds, University of Southern California School of Medicine, Department of Orthopaedics

Los Angeles, California, October 14, 2000

The Reliability of Angular Measurements for Hallux Valgus Deformities
Moderator, Orthopedic Overseas, A Symposium on New and Innovative Foot &
Ankle Techniques Around the World

16th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society

Vail, Colorado, July 13, 2000

Progress and Pitfalls in Total Ankle Replacement-Update on the STAR Total
Ankle Arthroplasty

30th Annual Meeting of the American Orthopaedic Foot & Ankle Society

Orlando, Florida, March 18, 2000

Why Does Surgery for Hallux Valgus Fail? A Discriminating Look at Causes of
Complications

Metatarsalgia & Lesser Toe Problems

Indications & Surgical Technique of Metatarsophalangeal Arthrodesis

Indications & Surgical Technique of Subtalar Fusion

Managing Foot Care in Offices & Clinics-The Use of Registered Nurses in a
Clinic Situation

**67th Annual Meeting of the American Academy of Orthopaedic Surgeons
Instructional Course Lectures**

Orlando, Florida, March 16-17, 2000

Recurrent Ankle Sprain-Tendon Transfer Repair

Diagnosis and Conservative Treatment of Posterior Tibial Tendon Dysfunction

Sesamoiditis and Sesamoid Fracture in the Athlete

Entrapment Neuropathies in the Athlete

Second Metatarsophalangeal Joint Instability

Peroneal Tendon Injury, Diagnosis and Repair

Sports Medicine of the Foot & Ankle

Sun Valley, Idaho, January 31-February 4, 2000

Anatomy of the Forefoot

Second Metatarsophalangeal Joint Instability

Triple Osteotomy, An Approach for Hallux Valgus

Juvenile Hallux Valgus

Use of the Crescentic Osteotomy for Correction of Moderate & Severe Hallux
Valgus Deformities

Third Annual Course on Operative Techniques for Foot Surgery

Basel, Switzerland, October 31-November 2, 1999

Juvenile Hallux Valgus: Evaluation & Treatment

Guilddal Memorial Lecture, Danish Orthopaedic Society

Copenhagen Denmark, October 29, 1999

Complications of First Metatarsal Osteotomies Following Bunion Surgery,
Evaluation & Treatment
Poster Exhibit: Rheumatoid Forefoot Reconstruction: A Long-term Follow-up
**Congress of the International Federation of Foot & Ankle Societies (20th CIP
Meeting)**
Kyoto, Japan, October 13-16, 1999

Lesser Toe Deformities, Evaluation & Treatment
American Academy Orthopaedic Surgeons Summer Institute
Seattle Washington, September 22, 1999

Complications & Salvage of Hallux Valgus Surgery
Metatarsophalangeal Joint Fusion, Surgical Technique
Osteotomy for Hallux Rigidus: Indications, Contraindications, Results &
Complications
Second Metatarsophalangeal Joint Instability, Surgical Technique
Sesamoid Problems, Surgical Technique
Interdigital Neuroma, Indications, Contraindications, Results & Complications
Achilles Tendon Disorders, Peritendonitis, Tendinosis & Haglund's Deformity
Third International Institute of Foot & Ankle Surgery, Surgical Skills Course
Bad Homburg, Germany, September 10-11, 1999

Operative Repair of the Fixed Hammertoe Deformity
Rheumatoid Forefoot Reconstruction, A Long-Term Follow-up Study
**15th Annual Summer Meeting of the American Orthopaedic Foot & Ankle
Society**
Puerto Rico, July 9-11, 1999

Rheumatoid Forefoot Reconstruction, A Long-Term Follow-up Study
Treatment of Calcaneal Fractures in the Industrial Worker, the Idaho Experience
112th Annual Meeting of the American Orthopaedic Association
Sun Valley, Idaho, June 5,6,7, 1999

Instability of the Second MTP Joint, Single & Biplane Abnormalities
Total Ankle Arthroplasty
Evaluation & Treatment of Failed Tarsal Tunnel Syndrome
Juvenile Hallux Valgus, Evaluation and Treatment
**American Orthopaedic Foot & Ankle Society Advanced Foot & Ankle
Course**
Washington, DC, May 7-9, 1999

Triple Osteotomy: Indications, Contraindications, Surgical Technique
Chevron Osteotomy: Indications, Contraindications, Surgical Technique &
Results
First MTP Fusion
Juvenile Hallux Valgus
Mallet Toes, Hammertoes, Hard Corns, & Soft Corns
Instability of the Second MTP Joint
ORIF of Calcaneal Fractures
Achilles Tendon Rupture

Tendon Transfer with Distraction Calcaneocuboid Fusion for Posterior Tibial
Tendon Rupture
Subtalar Arthrodesis
Reconstruction of the Rheumatoid Foot
Peroneal Tendon Stabilization for Ankle Instability
Evaluation & Conservative Treatment of Heel Pain
Surgical Treatment for Heel Pain Syndrome
**South African Orthopaedic Association Instructional Course for Foot &
Ankle Surgery**
Durban, South Africa, April 15-17, 1999

Second Metatarsophalangeal Joint Instability: Evaluation & Treatment
Juvenile Hallux Valgus: Evaluation & Treatment
Subtalar Fusion: Surgical Techniques & Results
**American College of Foot and Ankle Surgeons and American College of
Foot and Ankle Orthopedics and Medicine Joint Annual Meeting &
Scientific Seminar**
Los Angeles, California, February 16-20, 1999

Treatment of Hallux Valgus with an Increased Distal Metatarsal Articular Angle:
Evaluation of Double and Triple First Ray Osteotomies
Surgical Outcome of Calcaneus Fractures in the Work Comp Patient
29th Annual Meeting of the American Orthopaedic Foot & Ankle Society
Anaheim, California, February 7, 1999

Moderator, Symposium, Hallux Valgus Complications
Surgical Reconstruction of Complications following Hallux Valgus Surgery
66th Annual Meeting of the American Academy of Orthopaedic Surgeons
Instructional Course Lecture
Anaheim, California, February 6, 1999

Recurrent Ankle Sprains—Tendon Transfers
Sesamoiditis and Sesamoid Fracture in the Athlete
Hallux Valgus and Hallux Rigidus in the Athlete
Lesser Toe Problems in the Athlete
Edward T. Smith Orthopaedic Lectureship
University of Texas, Houston Medical School
Houston, Texas, November 13, 1998

Calcaneocuboid Interposition Arthrodesis
Anatomy of the Hindfoot
Triple Arthrodesis
Salvage Procedure for Ankle Fusion
Surgery of the Foot & Ankle
Basil, Switzerland, November 1-4, 1998

Metatarsophalangeal Joint Fusion, Surgical Technique
Complications & Salvage of Hallux Valgus Surgery
Osteotomy for Hallux Rigidus, Indications & Contraindications, Surgical
Technique, Results & Complications

Lesser Toes (Mallet Toes, Hammertoes, Hard Corns & Soft Corns) Surgical Technique

Second Metatarsophalangeal Joint Instability, Surgical Technique

Sesamoid Problems, Surgical Technique

Chronic Ankle Instability, Surgical Technique of Peroneal Tendon Tenodesis

Peroneal Tendon Dysfunction, Surgical Technique

International Institute of Foot & Ankle Surgery

Surgery of the Foot & Ankle: Surgical Skills Course

Frankfurt/Main, Germany, October 30-31, 1998

Complications of Hallux Valgus

2nd Annual COMFAS Congress

Venice, Italy, September 19, 1998

Hallux Valgus: Radiology & Decision Making

Metatarsophalangeal Joint Fusion

Juvenile Hallux Valgus, Evaluation & Treatment

Complications & Salvage Following Bunion Surgery

Hallux Rigidus, Evaluation & Treatment

Bunionettes, Evaluation & Treatment

Subtalar Fusion: Indications, Contraindications, Technique & Results

ORIF of the Calcaneus: Acute Fractures & Primary Arthrodesis, Indications, Contraindications & Technique

Ankle Instability Treated with Peroneal Tendon Graft, Indications,

Contraindications, Technique & Results

Course Coordinator, Presenter, 2nd Congress on Operative Foot Surgery

Herzliyah, Israel, May 27-29, 1998

Hallux Valgus, Distal Soft Tissue Repair & Proximal 1st Metatarsal Osteotomy

Bunionettes: Evaluation & Treatment

Lesser Toe Deformities

Fractured Calcaneus, ORIF versus Primary Fusion

Orthopaedic Surgery Visiting Professor, Michigan State University

Kalamazoo Center for Medical Studies

Kalamazoo, Michigan, April 24, 1998

The Distal Metatarsal Articular Angle: How Much Does it Matter? Diagnosis & Clinical Significance

28th Annual Meeting of the American Orthopaedic Foot & Ankle Society

New Orleans, Louisiana, March 22, 1998

Sexy Shoes, Painful Feet, the Woman's Shoewear Problem

Complications of Hallux Valgus Surgery

American Academy of Orthopaedic Surgeons Instructional Course Lectures

New Orleans, Louisiana, March 20-21, 1998

Recurrent Ankle Sprain Treated with Tendon Transfer

Tarsal Coalition, Evaluation & Treatment

Sesamoiditis & Sesamoid Fractures in the Athlete

Calcaneal Fractures in the Athlete

Lesser Toe Problems in the Athlete (Hammertoes, Clawtoes, Calluses & Corns)
Bunionettes, Evaluation & Treatment
Peroneal Tendon Injury & Treatment
Sports Medicine of the Foot & Ankle
Sun Valley, Idaho, February 23-27, 1998

Decision Making in Hallux Valgus Surgery
Cheilectomy
Instability of the Lesser Metatarsophalangeal Joints
Salvage Procedures for Lesser Toe Problems
Surgical Treatment of Bunionette Deformities
1st Congress on Operative Foot Surgery
Basel, Switzerland, November 2-5, 1997

Metatarsophalangeal Joint Fusion
Complications & Salvage of Hallux Valgus Surgery
Second Metatarsophalangeal Joint Instability
Peroneal Tendon Dysfunction
Surgical Technique of Peroneal Tendon Tenodesis
International Institute of Foot & Ankle Surgery
Surgery of the Foot & Ankle: Surgical Skills Course
Frankfurt, Germany, September 26-27, 1997

Future of Orthopaedic Foot Surgery in the Next Millennium
61st Annual Western Orthopaedic Association
Sun Valley, Idaho, September 13, 1997

Outcome of Calcaneal Fractures in the Industrial Patient
13th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society
Monterey, California, July 17, 1997

Recurrent Hallux Valgus following Distal Osteotomy
Treatment of the Failed Keller Procedure
Juvenile Hallux Valgus: Evaluation & Treatment
Disasters with Implants in Hallux Rigidus
The Second MTP Joint: Evaluation & Treatment
Primary Fusion for Acute Calcaneal Fractures
Dysfunction & Arthritis of the Lisfranc Joint
Triple Arthrodesis vs. Subtalar vs. Double Arthrodesis
Advanced Foot & Ankle Course: Reconstruction & Salvage of Complications
San Francisco, California, May 16-18, 1997

Operative and Non-Operative Management of the Adolescent Bunion
28th Annual Meeting of the American Orthopaedic Foot & Ankle Society
San Francisco, California, February 16, 1997

Moderator: Adult Foot I, Adult Foot II, Adult Foot III
Radiographic Evaluation—Subluxation, Congruency, DMAA

Pitfalls of the Distal Soft Tissue Procedure with Proximal Osteotomy
Tibial Osteotomy

Anatomic Ankle Reconstruction Using the Peroneal tendon

Reconstruction of Peroneal Tendon Disorders

Subtalar Fusion Technique

Treatment of Failed Ankle Fusion with Intermedullary Rodding

The High Price of High Fashion Footwear

American Academy of Orthopaedic Surgeons Instructional Course Lectures

San Francisco, California, February 13-15, 1997

Evaluation & Treatment of Chronic & Acute Ankle Sprains

Decision Making in Hallux Valgus Surgery

Berkeiser Lecture, Illinois Orthopaedic Society

Chicago, Illinois, February 7-8, 1997

Treatment of Calcaneal Fractures in the Industrial Patient

Evaluation & Treatment of Ankle Sprains in the Industrial Patient

3rd Annual St. Luke's/Idaho Elk's Rehabilitation Service Occupational Disability Management Conference

Boise, Idaho February 3, 1997

Evaluation & Treatment of Ankle Sprains in the Industrial Patient

Argonaut Primary Care Conference

Boise, Idaho, February 3, 1997

Star Lecture: Hallux Valgus Decision Making

Juvenile Hallux Valgus: Who Needs Surgery & How Do I Choose the Right Technique

6th Annual Campbell Clinic Symposium

Marco Island, Florida, January 18, 1997

Hallux Valgus: Evaluation & Treatment

American Orthopaedic Foot & Ankle Society Regional Review Course

Portland, Oregon, October 19, 1996

Treatment of Sprained Ankles

Intoeing in the Child

Shoes for Children & Adults

Orthotics: What They Are, What They Do, When To Order

Ingrown Toenails: Diagnosis & Treatment

Bunions, Evaluation & Treatment by the Family Practitioner

Nerve Problems, Tarsal Tunnel, Nerve Entrapments, Neuromas

Heel Pain

Arthritis of the Foot

Diabetic Feet

Lesser Toe Problems—Surgery

Tendon Problems (Posterior Tibial, Achilles, Peroneal)

Care of the Foot & Ankle for Primary Care Physicians

St. Alphonsus Regional Medical Center

Boise, Idaho, September 27, 1996

Calcaneal Fractures, Evaluation & Treatment
South African Orthopaedic Association, Western Cape Branch
Stellenbosch, South Africa, September 11, 1996

Complications & Salvage of Hallux Valgus Surgery
Posterior Tibial Tendon Reconstruction
Single, Double & Triple Arthrodeses
Juvenile Hallux Valgus: Pathophysiology & Surgical Correction
Evaluation & Operative Treatment of Calcaneal Fractures
GT duToit Lecturer, South African Orthopaedic Association Meeting
Johannesburg, South Africa, September 2-6, 1996

Bunionette Deformities: Evaluation & Treatment
Sesamoid Problems: Evaluation & Treatment
South African Orthopaedic Association, Orange Free State Branch
Bloemfontein, South Africa, August 29, 1996

Lesser Toe Deformities
Hallux Rigidus
South African Orthopaedic Association, Pretoria Branch
Pretoria, South Africa, August 28, 1996

Hallux Valgus: Etiology, Treatment, & Complications
South African Orthopaedic Association, Natal Branch
Durban, South Africa, August 27, 1996

Distal Soft Tissue Procedure for Hallux Valgus Deformity
Proximal First Metatarsal Osteotomy for Metatarsus Primus Varus
Complications & Salvage of Hallux Valgus
Juvenile Hallux Valgus: Etiology & Treatment
**Featured Guest Speaker, Second Congress of the European Federation of
Foot & Ankle Surgeons**
Basil, Switzerland, May 2-3, 1996

Distal Soft Tissue Procedure for Hallux Valgus Deformity
Proximal First Metatarsal Osteotomy for Metatarsus Primus Varus
Complications & Salvage of Hallux Valgus
Juvenile Hallux Valgus: Etiology & Treatment
**Classics Speaker, 14th Annual Meeting of the Mid-America Orthopaedic
Association**
San Antonio, Texas, April 25-27, 1996

Calcaneal Fractures: Evaluation & Treatment
Bimalleolar Ankle Fractures
Orthopaedic Update
National Association of Orthopaedic Nurses, Idaho Chapter
Boise, Idaho, April 20, 1996

Distal Soft Tissue Procedure for Hallux Valgus Deformity
Proximal First Metatarsal Osteotomy for Metatarsus Primus Varus
Complications & Salvage of Hallux Varus
Juvenile Hallux Valgus: Evaluation & Treatment
Guest Lecturer, Second Congress, European Federation of Foot & Ankle Surgeons
Hanover, West Germany, March 1-2, 1996

Subtalar Fusion: Techniques & Results
26th Annual Meeting of the American Orthopaedic Foot & Ankle Society
Atlanta, Georgia, February 25, 1996

Moderator: Adult Foot I, Adult Foot II, Adult Foot III
Hallux Valgus Repair with Chevron Osteotomy
Hallux Valgus Repair with Triple Osteotomy
Bunionettes: Evaluation & Treatment
The High Price of High Fashion Footwear
American Academy of Orthopaedic Surgeons Instructional Course Lectures
Atlanta, Georgia, February 22-26, 1996

Bunionettes-Surgical Treatment
Sesamoid Problems in the Athlete
Ankle Sprains-Evaluation & Surgical Treatment
Calcaneal Fractures in the Athlete
Sports Medicine of the Foot & Ankle
Park City, Utah, January 1996

Moderator, Symposium on Hallux Valgus
The High Price of High Fashion Footwear
Compartment Syndrome in the Upper Extremity following Regional Anesthesia
70th Annual Meeting of the North Pacific Orthopaedic Society
Sun Valley, Idaho, September 13-16, 1995

Hallux Valgus in Men
Juvenile Hallux Valgus: Demographics & Parameters for Surgical Treatment
(Winner of the Roger A. Mann Award for Medical Research Outstanding Scientific Study)
11th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society
Vail, Colorado, July 22, 1995

Juvenile Hallux Valgus: Evaluation & Treatment
Visiting Professor of Orthopaedic Surgery, Duke University Medical Center
Durham, North Carolina, April 15, 1995

Salvage of Failed Ankle Fusion
Metatarsophalangeal Joint Disorders of the Fifth Toe
Second Metatarsophalangeal Joint Disorders
Juvenile Hallux Valgus: Evaluation & Treatment
Salvage of Failed Keller Procedure
Advanced Foot & Ankle Course: Reconstruction & Salvage of Complications
Phoenix, Arizona, March 31-April 3, 1995

Ankle Sprains in the Athlete
Forefoot Abnormalities in the Athlete
Oregon Institute of Sports Medicine
Bend, Oregon, March 10-12, 1995

Juvenile Hallux Valgus: Evaluation & Treatment
25th Annual Meeting of the American Orthopaedic Foot & Ankle Society
Orlando Florida, February 19, 1995

Moderator: Adult Foot I, Adult Foot II, Adult Foot III
Juvenile Hallux Valgus
Rheumatoid Forefoot Repair
Operative Treatment of Bunionettes
The High Price of High Fashion Footwear
American Academy of Orthopaedic Surgeons Instructional Course Lectures
Orlando, Florida, February 16-21, 1995

Rheumatoid Arthritis of the Foot
Juvenile Hallux Valgus
Treatment of Bunionette Deformities
Lesser Toe Deformities
Failed Ankle Fusion
Visiting Professor, Catholic University of Leuvan
Brussels, Belgium, October 8, 1994

Disasters in Ankle Fusion
Juvenile Hallux Valgus: Evaluation & Treatment
Lesser Toe Deformities: Evaluation & Treatment
Hallux Rigidus
Toronto Orthopaedic Association Meeting
Toronto, Canada, October 15, 1994

The Diagnosis & Treatment of Juvenile Hallux Valgus
10th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society
Coeur d'Alene, Idaho, July 2, 1994

Recurrent Ankle Sprain (Tendon Stabilization)
Calcaneal Fractures in the Athlete
Second Metatarsophalangeal Joint Instability in the Athlete
Bunionette, Evaluation & Treatment

Sports Medicine of the Foot & Ankle

Sun Valley, Idaho, January 31-February 4, 1994

Moderator: Adult Foot I, Adult Foot II, Adult Foot III

Juvenile Hallux Valgus

Rheumatoid Forefoot Repair

Operative Treatment of Bunionettes

American Academy of Orthopaedic Surgeons Instructional Course Lectures

New Orleans, Louisiana, February 29-March 1, 1994

Mallet Toes: Evaluation & Treatment

24th Annual Meeting of the American Orthopaedic Foot & Ankle Society

New Orleans, Louisiana, February 27, 1994

The High Price of High Fashion Footwear

American Academy of Orthopaedic Surgeons Annual Meeting

New Orleans, Louisiana, February 24, 1994

Treatment of Acute Calcaneal Fractures

Distal Soft Tissue Release for Bunions Deformity

Metatarsophalangeal Joint Arthrodesis

The Keller Procedure

Juvenile Hallux Valgus

Metatarsal Osteotomies

Rheumatoid Forefoot & Hindfoot Repairs

Lesser Toe & Metatarsophalangeal Joint Problems

Advanced Reconstructive & Traumatic Surgery of the Foot

New York, New York, May 13-15, 1993

Treatment of Sprained Ankles

Intoeing in the Child

Shoes for Children & Adults

Orthotics: What They Are, What They Do, When To Order

Ingrown Toenails: Diagnosis & Treatment

Bunions, Evaluation & Treatment by the Family Practitioner

Nerve Problems, Tarsal Tunnel, Nerve Entrapments, Neuromas

Heel Pain

Arthritis of the Foot

Diabetic Feet

Lesser Toe Problems—Surgery

Tendon Problems (Posterior Tibial, Achilles, Peroneal)

Care of the Foot & Ankle for Primary Care Physicians

St. Alphonsus Regional Medical Center

Boise, Idaho, April 10, 1993

Complications of Proximal Metatarsal Osteotomies
Metatarsophalangeal Joint Arthrodesis Using a Small Vitallium Plate
23rd Annual Meeting of the American Orthopaedic Foot & Ankle Society
San Francisco, California, February 21, 1993

Moderator, Adult Foot I, Adult Foot II, Adult Foot III
Chevron Procedure: Indications, Surgical Technique, Postoperative Care
Metatarsophalangeal Joint Fusion: Indications, Surgical Technique,
Postoperative Care
Bunionettes, Indications, Surgical Technique, Postoperative Care
Sesamoid Problems: Evaluation & Treatment
Surgical Reconstruction of the Rheumatoid Foot-Live Surgical Demonstration
American Academy of Orthopaedic Surgeons Instructional Course Lectures
San Francisco, California, February 19-22, 1993

Failed Ankle Fusion
Presidential Guest Speaker, Annual Meeting of Southern Orthopaedic Society
Whistler Mountain, British Columbia, Canada, August 6, 1992

Metatarsophalangeal Joint Instability in the Athlete
8th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society
Napa, California, July 16, 1992

Metatarsophalangeal Joint Instability
Evaluation & Treatment of Bunionettes
Metatarsophalangeal Joint Fusion
Distal Soft Tissue Realignment with Proximal First Metatarsal Osteotomy
Repair of Hallux Varus Deformity
The Combined Meeting of the Orthopaedic Associations of the English Speaking World
Toronto, Canada, June 25-26, 1992

Calcaneal Fractures, Evaluation & Treatment
Treatment of Failed Ankle Fusion—Salvage Procedures
Open Reduction & Internal Fixation of Ankle Fractures
Evaluation & Treatment of Toenail Problems
Sesamoid Abnormalities
First Metatarsophalangeal Joint Fusion
Why Things Go Wrong—Salvage Procedures for Failed Bunion Surgery
Treatment of Lesser Toe Abnormalities
Subluxation & Dislocation of the Second Metatarsophalangeal Joint
First Comprehensive Foot & Ankle Surgery Course in Israel
Zichron Yaakov Israel, May 11-13, 1992

Disasters in Ankle Fusions
**Orthopaedic Grand Rounds, University of Utah School of Medicine,
Division of Orthopaedics**
Salt Lake City, Utah, March 7, 1992

Hammertoe Deformities, Fixed & Flexible
Hammertoe Correction: Arthrodesis, Arthroplasty & Tendon Transfer
Fourth Annual Comprehensive Foot & Ankle Course
San Francisco, California, November 14, 1991

Calcaneal Fractures, Evaluation & Treatment
Complication & Salvage of Ankle Fusions
**Guest Professor, Oregon Health Sciences University Annual Dillehunt
Lectures**
Portland, Oregon, April 16, 1991

Evaluation & Treatment of the Bunionette Deformity
Juvenile Hallux Valgus, Evaluation & Treatment
Lesser Toe Abnormalities
Treatment of Second Metatarsophalangeal Joint Problems
Complications & Salvage of Hallux Valgus Surgery
27th Annual St. Luke's Orthopaedic Symposium
Houston, Texas, April 19-20, 1991

Ankle Sprains
Hallux Valgus, Etiology & Treatment
What the American Orthopaedic Foot & Ankle Society Can Do For You
The Complete Foot Care Course
Milwaukee, Wisconsin, April 13, 1991

Abnormalities of the Second Metatarsophalangeal Joint
Moderator, Participant, President's Symposium
Presidential Address: The American Orthopaedic Foot & Ankle Society: What It
Can Do For You
Complications & Salvage of Hallux Valgus Deformities
21st Annual Meeting of the American Orthopaedic Foot & Ankle Society
Anaheim, California, March 10, 1991

The Rheumatoid Foot
Fusion of the First Metatarsophalangeal Joint
Posterior Tibial Tendon Dysfunction
Juvenile Hallux Valgus, Evaluation & Treatment
Treatment of Hallux Valgus with Distal Soft Tissue Procedures, With & Without
Osteotomy
Evaluation of the Mitchell Procedure
Management of Residual Lesser Toe Deformities
Management of Residual Metatarsophalangeal Joint Problems
The Flat Foot—A Linear Approach to Treatment
**The Foot—An Advanced Course in Reconstructive & Traumatic Surgery,
AAOS Continuing Education Course**
Tucson, Arizona, January 27-30, 1991

The Sprained Ankle
Classification and Acute Care of Calcaneal Fractures
AAOS Continuing Education Course on the Ankle & Hindfoot
San Diego, California, January, 19, 1991

Complications & Salvage of Bunion Surgery
Subluxation & Dislocation of the Second Toe
Sesamoid Abnormalities, Conservative & Surgical Treatment
Medical Association of Georgia, Georgia Orthopaedic Society
Atlanta, Georgia, November 18, 1990

Malleolar Ankle Fractures
Sesamoid Pain: Causes & Surgical Treatment
Hammertoes: Fixed & Flexible
Third Annual AAOS Comprehensive Foot & Ankle Course
Chicago, Illinois, November 7-10, 1990

Complications & Salvage of Bunion Surgery
Lesser Toe Surgery
University of Southern California Grand Rounds
Los Angeles, California, October 27, 1990

Report by the President: The Status of the American Orthopaedic Foot & Ankle
Society
Address to the Annual Meeting of the Association of Orthopaedic Chairmen
San Francisco, California, October 21, 1990

Arthrodesis of the First Metatarsophalangeal Joint with Small Fragment Plate
Fixation
Operative Treatment of Bunionette Deformities
American Academy of Orthopaedic Surgeons Summer Institute
Monterey, California, September 9, 1990

Treatment of Bunions with Longitudinal Oblique Fifth Metatarsal Osteotomy
6th Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society

Banff, Alberta, Canada, June 22, 1990

Fifth Toe Problems

Adolescent Hallux Valgus, Evaluation & Treatment

Evaluation & Treatment of Sesamoid Abnormalities

Essentials in Orthopaedic Foot and Ankle Surgery, AAOS Continuing Medical Education Course

New York, New York, May 3, 1990

Adolescent Hallux Valgus, Evaluation & Treatment

Lesser Toe Deformities, Evaluation & Treatment

The Annual Meeting of the New Jersey Orthopaedic Association

Antigua, British Leeward Islands

April 17-18, 1990

Complications & Salvage of Hallux Valgus Surgery

Detroit Academy of Orthopaedic Surgery

Detroit, Michigan, March 12, 1990

Adolescent Hallux Valgus

Complications & Salvage of Bunion Surgery

Visiting Professor of Orthopaedics, Cleveland Clinic

Cleveland, Ohio, March 9, 1990

Arthrodesis of the First Metatarsophalangeal Joint

20th Annual Meeting of the American Orthopaedic Foot & Ankle Society

New Orleans, Louisiana, February 11, 1990

Subluxation & Dislocation of the Second Metatarsophalangeal Joint

Abnormalities of the Sesamoid & Treatment

American Academy of Orthopaedic Surgeons Instructional Course Lectures

New Orleans, Louisiana, February 9-10, 1990

Sesamoid Dysfunction

Hammertoe Deformities: Evaluation & Treatment

Western Orthopaedic Association, Seattle Chapter

Seattle, Washington, December 4, 1989

Hammertoe Procedures for Flexible and Fixed Deformities

Sesamoid Pain: Causes & Surgical Treatment

Ankle Fractures—Malleolar

Second Annual AAOS Comprehensive Foot & Ankle Course

San Francisco, California, November 8-11, 1989

The Adolescent Hallux Valgus Deformity
Complications of Hallux Valgus
Sesamoid Problems
Subluxation & Dislocation of the Second Metatarsophalangeal Joint
Evaluation & Treatment of Malleolar Ankle Fractures
Comprehensive Review & Update of Foot Surgery, Cedar-Sinai Medical Center
Los Angeles, California, October 28, 1989

Adult Flatfoot
Why Things Go Wrong: Salvage Procedures for Failed Bunion Surgery
Treatment of the Dislocated Second Toe
American Academy of Orthopaedic Surgeons Summer Institute
Chicago, Illinois, September 13-15, 1989

Arthrodesis of the Foot & Ankle
Complications & Salvage of Bunion Surgery
Lesser Toe Problems
Etiology & Treatment of the Bunionette Deformity
The Adult Flat Foot
The Adult Foot & Ankle, Decade of Progress, American Academy of Orthopaedic Surgeons Continuing Education Course
Orlando, Florida, March 8-11, 1989

Sesamoid Abnormalities & Treatment
Subluxation & Dislocation of the Second Metatarsophalangeal Joint
American Academy of Orthopaedic Surgeons Instructional Course Lectures
Las Vegas, Nevada, February 10, 1989

Hammertoe Procedures for Flexible & Fixed Deformities
Sesamoid Pain: Causes & Surgical Treatment
Ankle Fractures—Malleolar
First Annual AAOS Comprehensive Foot & Ankle Course
Chicago, Illinois, November 9-12, 1988

Overlapping Second Toe Problems
American Academy of Orthopaedic Surgeons Summer Institute
San Diego, California, September 7, 1988

The Adult Flat Foot
Juvenile Hallux Valgus, Pathophysiology & Treatment
Rheumatoid Arthritis of the Forefoot
Sesamoid Problems
Visiting Professor of Orthopaedic Surgery, University of Bristol
Bristol, England, June 22-24, 1988

Hammertoe Procedures for Flexible & Fixed Deformities

Sesamoid Pain: Causes & Surgical Treatment

Ankle Fractures—Malleolar

Foot & Ankle Surgical Techniques—AAOS Continuing Medical Education Course

Washington, D.C., April 28-30, 1988

Hallux Valgus Symposium

Lesser Toe Problems

The Adult Flat Foot

Treatment of the Adult Foot--AAOS Continuing Medical Education Course

San Francisco, California, April 9, 1988

Arthrodesis of the First Metatarsophalangeal Joint

18th Annual Meeting of the American Orthopaedic Foot & Ankle Society

Atlanta, Georgia, February 7, 1988

Juvenile Hallux Valgus: Etiology & Treatment

Treatment of the Subluxated-Dislocated Second MTP Joint

Complications & Salvage of Bunion Surgery

Annual Meeting of the Jefferson Orthopaedic Society, Thomas Jefferson Medical School

Philadelphia, Pennsylvania, November 19, 1987

Treatment of Bunion Deformities

51st Annual Meeting of the Western Orthopaedic Association

Colorado Springs, Colorado, October 4, 1987

Sesamoid Abnormalities & Treatment

Subluxation & Dislocation of the Second Metatarsophalangeal Joint

American Academy of Orthopaedic Surgeons Instructional Course Lectures

The Adult Foot, Basic Principles & Methods of Treatment, Samuel Merritt Hospital

Oakland, California, September 18-20, 1987

Correction of Bunions with Midshaft Oblique Osteotomy

3rd Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society

Santa Fe, New Mexico, July 17, 1987

Foot Disorders for the Practitioner

39th Annual Meeting of the Idaho Academy of Family Physicians

Boise, Idaho, June 4, 1987

Current Concepts of Bunion Surgery

Northern California Chapter of the American College of Surgeons

San Francisco, California, May 16, 1987

Complications & Salvage of Bunion Surgery
The Adult Flat Foot
Techniques of Fusion for the Foot
The Adult Foot--AAOS Continuing Medical Education Course
Orlando, Florida, March 11-14, 1987

Lesser Toe Deformities
Pathophysiology & Treatment of Hallux Valgus
The Adult Flat Foot Deformity
Visiting Professor, Memorial Hospital
Charlotte, North Carolina, March 10, 1987

Subluxation & Dislocation of the Second Metatarsophalangeal Joint
American Academy of Orthopaedic Surgeons Instructional Course Lectures
San Francisco, California, January 23, 1987

Bunions & Bunionettes
The Private Office Foot Clinic
Footwear Management, the Adult
**Ambulatory Care of the Foot, American Orthopaedic Foot & Ankle Society
Continuing Education Course**
Milwaukee, Wisconsin, October 2-4, 1986

Pathologic Anatomic of Hallux Valgus
Conservative Care of the Bunion
Rotational Deformities of the Fifth Toe
Diagnostic & Therapeutic use of Injections for Ailments of the Foot
Lesser Toe Deformities
American Academy of Orthopaedic Surgeons Summer Institute
Monterey, California, September 22-26, 1986

Marketing of the Orthopaedic Foot Surgeon
Pathophysiology of Juvenile Hallux Valgus
**2nd Annual Summer Meeting of the American Orthopaedic Foot & Ankle
Society**
Vail, Colorado, July 19, 1986

Lesser Toe Deformities
American Academy of Orthopaedic Surgeons Instructional Course Lectures
New Orleans, Louisiana, February 21, 1986

The Crossover Second Toe Deformity
Salvage of the Failed Keller Procedure with Metatarsophalangeal Arthrodesis
16th Annual Meeting of the American Orthopaedic Foot & Ankle Society
New Orleans, Louisiana, February 20, 1986

Common Surgical Approaches to the Foot & Ankle
Second Metatarsophalangeal Joint Disorders
Operative Procedures for Correction of Hallux Valgus—A Review
Adult Foot & Ankle Problems, AAOS Continuing Education Course
Scottsdale, Arizona, May 23-25, 1985

Utilization of MP Arthrodesis for Failed Keller Arthroplasty
60th Annual Meeting of the North Pacific Orthopaedic Society
Eugene, Oregon, May 18, 1985

Footwear Modification & Pediatric Torsional Abnormalities
Foot Care by the Family Physician
Foot Trauma & the Family Physician
38th Assembly & Congress of Delegates of the Oregon Academy of Family Physicians
Eugene, Oregon, May 16-19, 1985

Lesser Toe Deformities
American Academy of Orthopaedic Surgeons Instructional Course Lectures
Las Vegas, Nevada, January 25, 1985

Sesamoidectomy of the Great Toe
15th Annual Meeting of the American Orthopaedic Foot & Ankle Society
Las Vegas, Nevada, January 24, 1985

Anatomy & Pathology of Bunions
Surgical Options in Bunion Management
Salvage Procedures After Bunion Surgery
Pathophysiology of Rheumatoid Arthritis of the Foot
Lesser Toe Deformities
Crossover Second Toe Problems
Western Orthopaedic Association, Oregon Chapter
Glendon Beach, Oregon, November 9-11, 1984

Office & Nursing Home Care by the Primary Care Physician
Annual Meeting of the American Geriatric Association
Portland, Oregon, October 26, 1984

Crossover Second Toe Deformity
59th Annual Meeting of the North Pacific Orthopaedic Society
Seattle, Washington, May 11, 1984

Surgical & Non-Surgical Management of Problems Related to the Foot
Idaho Arthritis Foundation Annual Medical Symposium
Boise, Idaho, October 21, 1983

Hammertoes, Mallet Toes & Clawtoes
Nails, Corns, & Calluses
Hallux Valgus: Cause & Treatment
Physical Examination of the Foot
State of the Art: Management of the Rheumatoid Foot
**Orthopaedics for the Primary Care Physician, Continuing Education Course
for the Division of Orthopaedics & Rehabilitation, Oregon Health Science
University**
Portland, Oregon, May 20-21, 1983

Etiology & Pathologic Anatomy of Hallux Valgus
Arthrodesis of the MP Joint
Toe Problems: Hammertoes, Mallet Toe, & Clawtoe
Pathologic Anatomy of Rheumatoid Arthritis
**Surgical Treatment of Adult Foot Problems for the Orthopaedic Surgeon,
AAOS Continuing Education Course**
San Francisco, California, July 16-18, 1982

Hallux Varus
56th Annual Meeting of the North Pacific Orthopaedic Society
Sun Valley, Idaho, May 29, 1981

Results of 100 Consecutive McBride Bunionectomies
11th Annual Meeting of the American Orthopaedic Foot & Ankle Society
Las Vegas, Nevada, February 1981

The Anatomy & Development of the Bunion
**Orthopaedic Care of the Foot & Ankle—Child & Adult, AAOS Continuing
Education Course**
San Diego, California, May 15-17, 1980

Etiology & Pathologic Anatomy of the Bunion Deformity
Lesser Toe Problems—Hammertoes, Mallet Toes, & Clawtoes
Pathologic Anatomy of the Rheumatoid Foot
Hallux Varus
**A Course on Adult Foot Surgery, Department of Orthopaedic Surgery,
Samuel Merritt Hospital**
Oakland, California, October 24-27, 1979

Treatment of Established Deep Wound Infection After Total Joint Arthroplasty
42nd Annual Meeting of the Western Orthopaedic Association
Received the Vernon Thompson Award
Seattle, Washington, October 4, 1978

Semi-constrained Total Shoulder Arthroplasty
41st Annual Meeting of the Western Orthopaedic Association
Colorado Springs, Colorado, October 3, 1977

VIDEO & TELEVISION PRESENTATIONS

High Heeled Shoes & Their Effects on Women's Feet, **Dateline NBC**, April 9, 1996

Osteoporosis, **Incredible Idaho**, **KTVB**, Channel 7, December 27, 1995

Report on High Fashion Footwear, **Good Morning America**, **ABC**, April 1994

At Issue in Orthopaedics: Hallux Valgus. American Academy of Orthopaedic Surgeons, Francesca M. Thompson, M.D., Editor, 1994

Rheumatoid Forefoot Repair, AAOS Instructional Course Lectures, live video presentation, February 20, 1993

Ill Effects of High Fashion Footwear, Connection 27, Boise State University, Moderator: Dr. Eldon Edmundson, Dean of the College of Health Science, March, 1990

Dislocation of the Second Metatarsophalangeal Joint, MVP Video Journal of Orthopaedics, St. Louis, Missouri, Vol. 4, #4, August 1989.

Repair of the Bunionette Deformity, MVP Video Journal of Orthopaedics, St. Louis Missouri, Vol. 4, #4, August 1989

Degenerative Arthritis of the Knee, Connection 27, Boise State University, Moderator: Dr. Eldon Edmundson, Dean of the College of Health Science, May 1989

Deformities of the Lesser Toes, Video Journal of Orthopaedic Surgery, Vol. 3, Issue 5, Part 1. Sponsored by the American Academy of Orthopaedic Surgeons, May 1989.

Evaluation of Hallux Valgus. With Roger Mann, M.D. & William G. Hamilton, M.D. Moderator: Clement Sledge. Orthopaedic Surgeon Update, Lifetime Medical Television Network, May 1989.

Bunions. With John Gould, M.D. & Charles Graham, M.D. Moderator: Clement Sledge. Orthopaedic Surgeon Update, Lifetime Medical Television Network, December 1987.

AUDIO PRESENTATIONS

Why Bunions Occur & What to Do About Them Orthopaedic Audio Synopsis Foundation, Vol. 24, No. 12, March 1993

TEXTBOOK PUBLICATIONS, EDITOR

Surgery of the Foot & Ankle, Seventh Edition, Mosby, St. Louis, Missouri, 1999
(Co-editor with Roger A. Mann, M.D.)

The Video Textbook of Foot & Ankle Surgery, Vol. II, Medical Video
Productions, St. Louis, Missouri, 1995 (Co-editor with Roger A. Mann, M.D.)

Surgery of the Foot & Ankle, Sixth Edition, Mosby Yearbook, St. Louis,
Missouri, 1993 (Co-editor with Roger A. Mann, M.D.)

The Video Textbook of Foot & Ankle Surgery, Vol. I, Medical Video
Productions, St. Louis, Missouri, 1990 (Co-editor with Roger A. Mann, M.D.)

TEXTBOOK PUBLICATIONS, AUTHOR

Lesser toe Disorders

In Baxter's The Foot and Ankle

Mosby-Elsevier Inc Philadelphia pp?????????2007

Ambulatory Surgery and Regional Anesthesia (151-180)

Hallux Valgus (183-362)

Bunionettes (491-50)

Sesamoids and accessory Bones of the Foot (531-610)

Toe-nail abnormalities (737-790)

Arthritic Conditions of the foot (805-922)

Disorders of Tendons (149-1278)

**Surgery of the Foot and Ankle, 8th edition, Coughlin M, Mann R, Saltzman C,
editors, Mosby-Elsevier Inc Philadelphia, Pa 2007**

Hallux Valgus with Increased Distal Metatarsal Articular Ankle

Advanced Reconstruction of the Foot and Ankle. J. Nunley, G. Pfeffer, R.
Sanders, E. Trepman, Editors.

American Academy of Orthopaedic Surgery, Rosemont, Ill. pp.3-8, 2004

Juvenile Hallux Valgus

Advanced Reconstruction of the Foot and Ankle. J. Nunley, G. Pfeffer, R.
Sanders, E. Trepman, Editors.

American Academy of Orthopaedic Surgery, Rosemont, Ill. 59-68, 2004

Conditions of the Forefoot

Hallux Valgus

Turf Toe

Sesamoid Dysfunction in the Athlete

Toenail Abnormalities

Subungual Exostosis

Interdigital Neuroma

Intractable Plantar Keratoses

Lesser Toe Deformities

Bunionettes

Orthopaedic Sports Medicine, Principles & Practice. J. DeLee & D. Drez, Editors, W.B. Saunders, Philadelphia, pp.2483-2588, 2003.

Proximal First Metatarsal Osteotomy

The Foot and Ankle, 2nd Edition, Harold Kitaoka, Editor
Lippincott Williams and Wilkins, Philadelphia 2002
pp. 71-98

Chirurgia del Piede E Della Caviglia, 7th Edition

Verduci Editore
Michael J. Coughlin and Roger Mann Editors
Mosby, St. Louis 2001

Rheumatoid Arthritis of the Foot

Operative Orthopaedics, 3rd Edition, M.W. Chapman, Editor. Lippincott-Raven, Philadelphia, 3097-3121, 2001.

Peripheral Anesthesia

Adult Hallux Valgus

Juvenile Hallux Valgus

Lesser Toe Deformities

Keratotic Disorders of the Plantar Skin

Sesamoids and Accessory Bones of the Foot

Arthritides

Disorders of Tendons

Toenail Abnormalities

Surgery of the Foot & Ankle, 7th Edition, M.J. Coughlin & R.A. Mann, Editors.
Mosby Yearbook, St., Louis, 1999, pp. 131-149, 150-269, 270-319, 320-391,
392-436, 437-501, 560-650, 786-861, 1033-1070

Juvenile Hallux Valgus and Related First Ray Problems

Orthopaedic Knowledge Update, Foot & Ankle, 2nd Edition, M. Mizel, Editor.
American Academy of Orthopaedic Surgeons, Chicago, 1998, pp. 135-150.

Forefoot Disorders

The Foot & Ankle in Sports. D.E. Baxter, Editor. C.V. Mosby, Chicago, 1995, pp. 221-244.

Proximal First Metatarsal Osteotomy

Master Techniques in Orthopaedic Surgery. K.A. Johnson, Editor. Raven Press, New York, 1994, pp. 84-105.

Conditions of the Forefoot

Hallux Valgus

Turf Toe

Sesamoid Dysfunction in the Athlete

Toenail Abnormalities

Subungual Exostosis

Interdigital Neuroma

Intractable Plantar Keratosis

Lesser Toe Deformities

Bunionettes

Orthopaedic Sports Medicine, Principles & Practice. J. DeLee & D. Drez, Editors. W.B. Saunders, Philadelphia, 1994, pp. 1842-1926.

The Bunionette Deformity: Etiology & Treatment.

The Pathophysiology & Treatment of the Juvenile Bunion

Operative Foot Surgery. J. Gould, Editor. W.B. Saunders, Philadelphia, 1994, pp. 54-68, 636-662.

Peripheral Anesthesia

Adult Hallux Valgus

The Evaluation & Treatment of the Juvenile Bunion

Bunionettes

Lesser Toe Deformities, Etiology & Treatment

Sesamoids & Accessory Bones of the Foot

Toenail Abnormalities

Surgery of the Foot & Ankle, Sixth Edition. R.A. Mann & M.J. Coughlin, Editors. Mosby Yearbook, St. Louis, 1993, pp. 151-166, 167-296, 297-340, 341-412, 441-465, 467-542.

Soft Tissue Afflictions of the Foot, Lesser Toe Abnormalities, The

Rheumatoid Foot

Operative Orthopaedics, Volume 4. M.W. Chapman, Editor. J.B. Lippincott Co., Philadelphia, 1993, pp. 2287-2298, 2213-2225, 2311-2322.

Bunionette Deformity

Current Therapy in Foot & Ankle Surgery. M. Myerson, Editor. Mosby Yearbook, St. Louis, 1993, pp. 27-32.

Ambulatory Surgery of the Foot, Lesser Toe Deformities

Disorders of the Foot, Second Edition. M.H. Jahss, Editor. W.B. Saunders Co., 1991, pp. 335-344, 1205-1228.

Lesser Toe Abnormalities
Soft Tissue Afflictions of the Foot
The Rheumatoid Foot

Operative Orthopaedics, Volume. 3, M.W. Chapman, Editor. J.B. Lippincott, Philadelphia, 1988, pp. 1765-1776, 1819-1832, 1845-1858.

Hallux Valgus & Correction of Hallux Valgus
Lesser Toe Deformities

Surgery of the Foot & Ankle, Fifth Edition. R.A. Mann, Editor. Mosby Yearbook, St. Louis, 1986, pp. 65-131, 132-157.

JOURNAL PUBLICATIONS

Coughlin M, Jones, C. Hallux valgus and first ray mobility: a prospective study. Submitted JBJS September 2007 89A: ----

Coughlin M, Jones C. Hallux Valgus: demographics, etiology, and radiographic assessment. *Foot Ankle International* 28:759-777, 2007

Chou, L, Mann, R, Couthlin M et al. Stress fracture as a complication of autogenous bone graft harvest from the distal tibia. *Foot Ankle Int.* 28:199-201, 2007

Goucher, N. Coughlin M. Covering of the toes during hindfoot and ankle surgery: a randomized, controlled, clinical study *Foot Ankle Int.* 28:413-415, 2007

Chou L, Mann R, Coughlin M, McPeak W, Mizel M. Stress fracture as a complication of autogenous bone graft harvest from the distal tibia. 28:199-201, 2007

Goucher N, Coughlin M. Temporary bridge plating of the hindfoot in severe injuries *Med Chir Pied* 22:1-5, 2006

Coughlin M, Grimes, J.S. Geometric Analysis of the Weil Osteotomy. *Foot Ankle Int.* 27:985-992, 2006

Grimes J.S., Coughlin M. First Metatarsophalangeal Joint Arthrodesis as a Treatment for Failed Hallux Valgus Surgery. *Foot Ankle Int.* 27:887-893, 2006

Hallux metatarsophalangeal joint arthrodesis using dome-shaped reamers and dorsal plate fixation: a prospective study. *Foot Ankle Int.* 27:869-876, 2006

Coughlin M, Grimes, J.S., Traugher P, Jones C. Comparison of radiographs and CT scans in the prospective evaluation of the fusion of hindfoot arthrodesis. *Foot Ankle Int.* 27:780-787, 2006

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- Goucher N, Coughlin M. Technique Tip: Key pearls for an alternative approach to the Akin Osteotomy. *Podiatry Today.* pp. 8-9, 2006
- Goucher N, Coughlin M. Dislocation of the Posterior Tibial Tendon: a Literature Review and Presentation of Two Cases. *The Iowa Orthopaedic Journal.* pp.122-126, 2006
- Glase W, Coughlin M. A Critical Analysis of Dudley Morton's Concept of Disordered Foot Function. *J. Foot Ankle Surg.* 45:147-155, 2006
- Coughlin M, Grimes J.S, Kennedy M. Coralline Hydroxyapatite Bone Graft Substitute in Hindfoot Surgery. *Foot Ankle Int.* 27:19-22, 2006
- Jones C, Coughlin M, Shurnas P. Prospective CT Scan Evaluation of Hindfoot Nonunions Treated with Revision Surgery and Low-Intensity Ultrasound Stimulation *Foot Ankle Int* 27:229-235, 2005
- Coughlin M, Grimes, J.S. Proximal metatarsal osteotomy and distal soft tissue reconstruction as treatment for hallux valgus deformity *Keio Journal of Medicine.* 54:60-65, 2005
- Jones C, Coughlin M, Grebing B, Kennedy M, Shurnas P, Viladot R, Galano P. First Metatarsophalangeal Joint Motion after Hallux Valgus Correction: A Cadaveric Study *Foot Ankle Int.* 26:614-619, 2005
- Coughlin M. Athletic injury to the first metatarsal phalangeal joint. *Med Chir Pied* 21:65-72, 2005
- Jones C, Coughlin M, Villadot R, Galano P. Proximal Crescentic Metatarsal Osteotomy: The Effect of Saw Blade Orientation on First Ray Elevation. *Foot Ankle Int.* 26:152-157, 2005
- Jones C, Coughlin M, Peterson W, Mirco H, Paletta J. Mechanical Comparison of Two Types of Fixation for Proximal First Metatarsal Crescentic Osteotomy *Foot Ankle Int.* 26:371-374, 2005
- Coughlin M, Grebing B, Jones C. Arthrodesis of the Metatarsophalangeal Joint for Idiopathic Hallux Valgus: Intermediate Results. *Foot Ankle Int* 26:783-792, 2005
- Jones C, Coughlin M, Pierce-Villadot R, Golano P, Kennedy M., Shurnas P., Grebing B. The validity and reliability of the Klaue device. *Foot Ankle International* 26:951-956, 2005
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Grebing, B., Coughlin, M.: Evaluation of Morton's Theory of Second Metatarsal Hypertrophy. J Bone Joint Surg.86-A:1375-1386, 2004

Coughlin M. Ingrown toenails: Office procedures to treat acute and chronic problems—steps to prevent recurrence. Consultant 44:937-946, 2004

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Coughlin M, Schenck R, Grebing B, Treme G. Comprehensive Reconstruction of the Lateral Ankle for Chronic Instability Using a Free Gracilis Graft. Foot Ankle Int. 25:231-241, 2004

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- Coughlin, M.J.: Fitting children's shoes: What to tell parents. J. Musculoskeletal Med. 39-46, 1985.
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- Coughlin, M.J.: Hallux valgus—causes, evaluation and treatment. Postgrad. Med. 75(5):174-187, 1984.
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- Coughlin, M.J., Adkison, J.W.: Treatment of the established deep wound infection after total joint arthroplasty. Proceedings of the Abbott Society 9:84-87, 1978.

TAB 5

HENRY FEUER, M.D., F.A.C.S.

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Indianapolis, IN 46280

(317) 817-1200

HFeuer@aol.com

EDUCATION

1960-67 University of Maryland, B.S. and M.D. Combined Degree
1967-68 Indiana University School of Medicine, Surgery Internship
1968-72 Indiana University School of Medicine, Neurosurgery Residency
1976 Board Certification, Neurosurgery

EXPERIENCE

1979-2006 Indianapolis Neurosurgical Group
2006 Retired from active surgical practice
2006-Present Neurosurgical Consultant –Methodist Sports Medicine Center/The Orthopedic Specialists
2007 Indianapolis Veterans Hospital Neurosurgery Staff

APPOINTMENTS

1972-77 Assistant Professor of Neurosurgery, Indiana University School of Medicine
1977-78, 2007 Associate Professor of Neurosurgery, Indiana University School of Medicine
1972-78 Chief, Section of Neurosurgery, Wishard Memorial Hospital
1973-78 Director of Medical Education, Wishard Memorial Hospital

1979-2006 Clinical Associate Professor of Neurosurgery, Indiana University School of Medicine
1991-2006 President, Medical Staff, Rehabilitation Hospital of Indianapolis

1970-Present Neurosurgical Sports Medicine Consultant, Indiana University, Bloomington (started during neurosurgical residency)
1983-1990 Neurosurgical Consultant, Indiana State Medical Association Commission on Sports Medicine
1984-Present Neurosurgical Consultant, Indianapolis Colts

HONORS

Sagamore of the Wabash
Indianapolis Monthly Magazine – Top Doctors

SPORTS MEDICINE CONSULTANCIES

Purdue University
Depauw University
Wabash College
Indiana State University
Ball State University
Anderson University
Butler University
Indianapolis 500
Brickyard 400
F-1 Grand Prix
Member of the NFL Sub-Committee on Mild Traumatic Brain Injuries

PUBLICATIONS

(recent)

2005 EJ Pellman, H. Feuer et. al. "Concussion in professional football: players returning to the same game—part 7." Neurosurgery Jan 56(1) 79-90
2004 H. Feuer. "Do Recommendations Differ for High School, Collegiate and Professional Athletes Suffering Concussions?" In: Neurotrauma: Evidence-Based Answers to Common Questions, Valadka, Alex and Andrews, Brian(Eds), Thieme New York.
2004 EJ Pellman, H. Feuer et. al. "Concussion in professional football: epidemiological features of game injuries and review of literature—part 3." Neurosurgery. Jan 54(1):81-94
2004 EJ Pellman, H. Feuer et. al. "Concussion in professional football: repeat injuries—part 4." Neurosurgery. Oct 55(4) 860-73
2003 Purvines, S., Groff, MW., and Feuer, H. "Cervical Spine Injuries in Athletes." Seminars in Neurosurgery, 14(1):31-38, 2003
1995 H. Feuer and 12 others. Prehospital Care of the Spine-Injured Athlete: A Document from the Inter-Association Task Force for Appropriate Care of the Spine-Injured Athlete
1995 H. Feuer. "History and Physical Exam and Treatment of Acute Spine Injuries," In: The Lower Extremity and Spine in Sports Medicine (Second Edition), Nicholas JA and Hershman EB (Eds), Mosby: St. Louis, 1995, pp 1083-1094.

**CONCUSSION &
SPINE INJURY
LECTURES (Annual)
(2007)**

Indiana University (Bloomington) Athletic Trainers
Methodist Sports Medicine Center Symposium
Methodist Sports Medicine Center Grand Rounds
Depauw University Athletic Trainers

**SEMINARS/COURSES
(recent)**

- 2007 Spondylolysis, Lumbar Disc Disease in Athletes, Annual Meeting, Indiana Orthopedic Society
- 2005 Neurosurgical Assessment in Mild Traumatic Brain Injury – Annual Educational Conference, Brain Injury Association of Indiana
- 2005 Lumbar Disc Herniation, Listhesis, And Facet Abnormalities: Treatment in Professional Athletes and Weekend Warriors – Seminar, American Association of Neurological Surgeons
- 2004 Management of Cervical Spine Injuries – Seminar, Congress of Neurological Surgeons
- 2003 Challenges in Identifying and Treatment of Sport Injuries – Seminar, American Association of Neurological Surgeons Annual Meeting
- 2003 Lumbar Spine Management Philosophy, A Neurosurgeon’s Perspective; Screening and Management of Concussions – Great Lakes Athletic Trainers Association Annual Meeting
- 1999 Management of the Injured Athlete – Seminar, American Association of Neurological Surgeons Annual Meeting
- 1998 The Pediatric Neurosurgeon and Young Athlete – Seminar, Section on Pediatric Neurological Surgery Annual Meeting
Head and Neck Injury in Sports – Pre-meeting course, North American Spine Society

TAB 6

ELLIOTT BRUCE HERSHMAN, MD

Date of Birth: January 10, 1953

Place of Birth: Jacksonville, North Carolina

Office Address: 130 East 77th Street
New York, New York 10021

Education: University of Rochester
Rochester, New York
Attended 1971 - 1975
Degree: Bachelor of Arts with High
Distinction, 1975
University of Rochester School of Medicine
Rochester, New York
Attended 1975 - 1979
Degree: M.D., 1979

Postgraduate
Education: Intern
Department of General Surgery
Lenox Hill Hospital, New York, New York
July, 1979 - June, 1980

Junior Resident
Department of Orthopaedic Surgery
Lenox Hill Hospital, New York, New York
July, 1980 - June, 1981

Senior Resident
Department of Orthopaedic Surgery
Children's Hospital Medical Center
Harvard Medical School
Boston, Massachusetts
July, 1981 - December, 1981

Senior Resident
Department of Orthopaedic Surgery
Lenox Hill Hospital, New York, New York
January, 1982 - June, 1983

Chief Resident
Department of Orthopaedic Surgery
Lenox Hill Hospital, New York, New York
January, 1984 - June, 1984

Fellowship:

Section of Sports Medicine
Department of Orthopaedics
Cleveland Clinic Foundation
Cleveland, Ohio
July, 1984 - June, 1985

Academic Appointments:

Attending Orthopaedic Surgeon
(Geographic Full-time)
Lenox Hill Hospital
July, 1985 - present

Consultant, Nicholas Institute of Sports
Medicine and Athletic Trauma
Lenox Hill Hospital

Director, Basic Science Program
Department of Orthopaedic Surgery
Lenox Hill Hospital
1986 - present

Executive Associate Director
Department of Orthopaedic Surgery
Lenox Hill Hospital
1991 - present

Assistant Clinical Professor of Orthopaedic Surgery
Mt. Sinai School of Medicine
1993 - present

Professional Certifications:

National Board of Medical Examiners
Diplomate No. 209919
July 1, 1980

American Board of Orthopaedic Surgery
Diplomate Certified July 23, 1987

Recertified January 1, 1998 through December 31,
2007

License:

New York, No. 146159
June, 1981

New Jersey, No. 61930
March, 1995

Medical Organization Membership:

American Academy of Orthopaedic Surgery
American College of Sports Medicine
New York State Medical Society
New York County Medical Society
American Medical Association
Greater Metropolitan Sports Medicine Society
Eastern Orthopaedics Association
American Academy of Sports Medicine
American Academy of Pain Medicine
New York Society of Orthopaedic Surgeons
Academic Orthopaedic Society
NHL Physicians Society
International Society of Arthroscopy (ISAKOS)

Committee Appointments:

Executive Board
Greater New York Regional Chapter
American College of Sports Medicine
1987 - 1994

State Liaison Committee
American Orthopaedic Society for Sports Medicine
1989 - 1990

American College of Sports Medicine
Committee for Youth Clinics in Sports Medicine
1990, 1991, 1992, 1993

American College of Sports Medicine
Committee on Team Physician Certification
1991, 1992, 1993

American Red Cross
Tissue Services Advisory Committee
1992 - 1993

Board of Medical Directors
Orthopaedic Research and Education Foundation
1993 - 1997

Program Committee
American Orthopaedic Society for Sports Medicine
1991 - 1995

Committee Appointments: (cont...)

Chairman, Research Grant Review Committee
Arthritis Foundation
1992 - 1995

Board of Directors
American Orthopaedic Society of Sports Medicine
1994 - 1996

Injury and Safety Committee
National Football League
1994 - present

Ad hoc Committee
Certificate Added Qualification
American Orthopaedic Society for Sports Medicine
1995 - 1998

Council of Delegates
New York State Representative
American Orthopaedic Society for Sports Medicine
1997 - present

Chairman, Injury and Safety Committee
National Football League
1999 - present

Professional Activities:

Team Orthopaedic Surgeon
New York Jets Football Club
1992 - current

Assistant Orthopaedic Surgeon
New York Jets Football Club
1986 - 1991

Team Orthopaedic Surgeon
New York Islanders Hockey Club
1996 - present

Orthopaedic Consultant - Hunter College
Athletic Program
1989 - present

Professional Activities: (cont...)

World Cup Soccer 1994
New York / New Jersey Venue
Medical Officer - Sports Medicine

Orthopaedic Consultant
New York Dragons Arena Football Team
2000 - present

Awards:

Maurice Cowen Memorial award for excellence in resident teaching.
1989, 1999.

Publications:

Articles

Nicholas JA, Grossman RB and Hershman EB. The importance of a simplified classification of motion in sports in relation to performance. *Orthop Clin.* 1977;8(3):499-532.

Hershman EB and Nisonson B. Arthroscopic meniscectomy: a follow-up report. *Am J Sports Med.* 1983;11(4):253-257.

Hershman EB, Schulman N and Scott WN. Salvage of bilateral knee arthroplasties with pseudomonas infection: a case report. *Clin Orthop.* 1983;177:172-174.

Hershman EB. The profile to prevent musculoskeletal injuries. *Clin Sports Med.* 1984;3(1):65-84.

Hershman EB, Zazlov K and Nisonson B. Inframeniscal approach for arthroscopic resection of tears of the posterior one third of the medial meniscus. *Clin Orthop.* 1984;190:245-249.

Hershman EB and Andrish JT. The team physician's bag: what to take to the game. *J Musculoskel Med.* 1985;2(9):23-27.

Hershman EB, Bercik RJ, Allen S and Fielding JW. Correction of chin-on-chest deformity in ankylosing spondylitis through a fracture site: a case report. *Clin Orthop.* 1985;201:193-196.

Hershman EB, Bjorkergren AG and Fielding JW. Osteoid osteoma in a cervical pedicle: resection via transpillar approach. *Clin Orthop.* 1986;213:115-117.

Publications:

Articles (cont...)

Hershman EB, Wilbourn A and Bergfeld JA. Acute brachial neuropathy in athletes. *Am J Sports Med.* 1989;17(5):655-659.

Clain MR and Hershman EB. Overuse injuries in children and adolescents. *Physician Sportsmed.* 1989;17(9):111-124.

Maily T and Hershman EB. Stress fractures: management guidelines for a chronic sports medicine problem. *Post-graduate Advances in Sports Medicine.* 1989;4(20):1-13.

Hershman EB and Maily T. Stress fractures. *Clin Sports Med.* 1990;9(1):183-213.

Hershman EB, Lombardo J and Bergfeld JA. Femoral shaft stress fractures in athletes. *Clin Sports Med.* 1990;9(1):111-119.

Thompson TL, Hershman EB and Nicholas JA. Rehabilitation of the injured athlete. *Pediatr.* 1990;17(4):260-262.

Hershman EB. Brachial plexus injuries. *Clin Sports Med.* 1990;9(2):311-329.

Magnusson P, McMahon M, Gleim GW, Hershman EB and Nicholas JA. Strength and balance in functional ankle instability. *Med Sci Sports Exerc.* 1991;23(4):S85.

Drillings G, Nicholas JA and Hershman EB. Common tennis injuries. *Hosp Med.* 1991;27(8).

Main WK and Hershman EB. Chronic knee pain in active adolescents. *Physician Sportsmed.* 1992;20(3).

Katchis SD and Hershman EB. Broken nails to blistered heels. *Physician Sportsmed.* 1993;21(5):95-104.

Hershman EB. Managing skin conditions of the foot in athletes. *J Musculoskel Med.* 1993;10(3):67-73.

Yang S and Hershman EB. Idiopathic brachial plexus neuropathy: a review. *Crit Rev Phys Rehab Med.* 1993;5(2):193-201.

Publications:

Articles (cont...)

Lorei MP and Hershman EB. Peripheral nerve injuries in athletes: treatment and prevention. *Sports Med.* 1993;16(2):130-147.

Goldberg B and Hershman EB. Understanding overuse injuries in young people. *Phys Sportsmed.* 1994;22(3):53.

Huie G and Hershman EB. The team clinician's bag. *J Am Acad of Physician Assts.* 1994;7(6):403-405.

McHugh MP, Spitz AL, Lorei MP, Nicholas SJ, Hershman EB and Gleim GW. Effect of ACL deficiency on economy of walking and jogging. *J Orthop Res.* 1994;12(4):592-597.

Saperstein AL and Hershman EB. Technical considerations in anterior cruciate ligament reconstruction. *Current Concepts in Sports Med.* 1994;(3):31-34.

Hershman EB. Has MRI been given the cold shoulder? *SportsMed in Primary Care.* 1995;1(5):37-38.

Torg J, Currier B, Douglas R, Hershman EB and O'Leary P. Symposium: spinal cord resuscitation. *Cont Orthop.* 1995;30(6):495.

Gelfand J and Hershman EB. The "wrap" on elastic bandages. *SportsMed in Primary Care.* 1995;1(7):50-51.

Drillings G, Henline D, Hershman E. Common tennis injuries. *Hospital Med.* 1995;31(7):20-27.

Henline D and Hershman EB. Baker's cyst and the threat of meniscal tears. *SportsMed in Primary Care.* 1996;1(10):75-76.

Tyler TF, McHugh MP, Hershman EB, Gleim GW, Nicholas SJ; Pre-op ROM and strength as predictors of 6 month post-op measures of knee function following ACL reconstruction. *Journal of Orthopedic & Sports Physical Therapy.* 23(1), 1996.

Talarico LD, Duffey TP, Hershman EB, Sanders R; Investigating the Subtle and Obvious Causes of Hip Pain. *Patient Care* 31 (18) 76-81, 1997

Publications:

Articles (cont...)

Touliopoulos SJ, Tyler TF, Hershman EB, Nicholas SJ, Gleim GW; Roentgenographic Reliability of Patellofemoral Alignment in the Sagittal Plane: The Patellofemoral Anterior/Posterior Tilt Angle. *Journal of Orthopedic & Sports Physical Therapy* 27 (1):94, 1998.

Touliopoulos SJ, Hershman EB; Lower Leg Pain: Differential Diagnosis and Treatment of Compartment Syndromes and Other Pain Syndromes of the Leg. *Sports Medicine* 27(3) 193-204, 1999.

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Tyler TF, Nicholas SJ, Hershman EB, Glace BW, Mullaney MJ and McHugh MP. The Effect of Creatine Supplementation on Strength Recovery After Anterior Cruciate Ligament (ACL) Reconstruction: A Randomization, Placebo-Controlled, Double-Blind Trial. *The American Journal of Sports Medicine*. 32: 383-388, March 2004.

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Abstracts

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Hershman EB, Wilbourn AJ and Bergfeld JA. Brachial plexus injuries in athletes. *Orthopaedic Trans*. 1986;10(3):448.

Hershman EB, Wilbourn AJ and Bergfeld JA. Brachial plexus injuries in athletes. *AOSSM Trans* 1/21/87, San Francisco.

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Gleim GW, Stachenfeld NS, Hershman EB and Nicholas JA. Economy of walking/jogging following ACL surgery and rehabilitation. *AOSSM Trans* 02/11/90, New Orleans.

Thompson TL, Hershman EB and Nicholas JA. Diastasis of the first and second metatarsals in athletes. *Medicine and Science in Sports and Exercise suppl.* 1995;27(5):1106.

McHugh MP, Gleim GW, Nicholas SJ and Hershman EB. What do knee arthrometers measure in the anterior cruciate ligament reconstructed knee? *Orthopaedic Trans.* 1996;19(1):14.

Text Chapters

Hershman EB and Scott WN. Ligamentous reconstruction of cruciate insufficient knees. In: Lippert F and Farmer J, eds. *Psychomotor Skills in Orthopaedic Surgery.* Baltimore, MD: Williams and Wilkens. 1984.

Nisonson B, Hershman EB, Yost J, Scott WN and Nicholas JA. *Principles of Sports Medicine.* Baltimore, MD: Williams and Wilkens. 1984.

Fielding JW, Hensinger RN, Bjorkergren AG and Hershman EB. Cranioatlantoaxial injuries. In: Taveras JM and Ferruci JT, eds. *Radiology: Diagnosis / Imaging / Intervention.* JB Lippincott, 1985.

Nicholas JA, Hershman EB and Auld K. Injuries to tendons, muscles and soft tissues. In *Practice of Surgery.* (Volume II - Orthopaedics), 1987.

Pianka GW and Hershman EB. Neurovascular injuries. In: Nicholas JA and Hershman EB, eds. *Upper Extremity in Sports Medicine.* St Louis, MO: CV Mosby. 1990.

Hershman EB. Injury recognition and treatment: foot and ankle. In: Cantu R and Micheli L, eds. *ACSM Guidelines for the Team Physician.* Lea and Febiger. 1991.

Hershman EB. Injuries to the brachial plexus. In: Torg JS, ed. *Athletic Injuries to the Head, Neck and Face*. St Louis, MO: Mosby-Yearbook. 1991.

Kircher M and Hershman EB. Arthroscopic cruciate ligament reconstruction. In: Nicholas JA and Hershman EB, eds. 2nd ed. *The Lower Extremity and Spine in Sports Medicine*. St. Louis, MO: Mosby-Yearbook. 1994.

Tindel N and Hershman EB. Acute brachial neuropathy. In: Torg J and Shepard RJ, eds. 3rd ed. *Current Therapy in Sports Medicine*. St. Louis, MO: Mosby-Yearbook. 1995.

Pianka G and Hershman EB. Neurovascular injuries. In Nicholas JA and Hershman EB, eds. 2nd ed. *The Upper Extremity in Sports Medicine*. St. Louis, MO: CV Mosby. 1995.

McCance S, Hershman EB, Cervical Spine Injuries. In: Schenk, Robert. *Athletic Training and Sports Medicine*. AAOS. 1999.

Montgomery K, Nicholas SJ, and Hershman EB; Anterior Cruciate Ligament Injury in Arendt, et al. *Sports Medicine Orthopaedic Knowledge Update 2*, AAOS. 1999.

Hershman EB and Berg J, Brachial Plexus Injuries. In: Garrett W, Speer K and Kirkdendall, D; *Principles and Practice of Orthopaedic Sports Medicine*. New York, New York. Lippincott, Williams and Wilkins, 2000.

Perryman JR and Hershman EB. The Acute Management of Soft Tissue Injuries of the Knee. *The Orthopedic Clinics of North America*. Philadelphia, PA. W.B. Saunders Company. Volume 33, Number 3. July 2002.

Textbooks

Nicholas JA and Hershman EB. *The Lower Extremity and Spine in Sports Medicine*. St. Louis, MO: CV Mosby Co. 1986.

Nicholas JA and Hershman EB. *The Upper Extremity in Sports Medicine*. St. Louis, MO: CV Mosby CO. 1990.

Nicholas JA and Hershman EB. *The Lower Extremity and Spine in Sports Medicine*. 2nd ed. St. Louis, MO: Mosby-Yearbook. 1995.

Nicholas JA and Hershman EB. *The Upper Extremity in Sports Medicine*. 2nd ed. St. Louis, MO: CV Mosby. 1995.

Guest Editorship:

Nicholas JA and Hershman EB: Profiling. *Clinics in Sports Medicine*. January, 1984.

Hershman EB: Neurovascular Injuries. *Clinics in Sports Medicine*. April, 1990.

Hershman EB, Associate Editor. *Sport Medicine Orthopaedic Knowledge Update 2*, AAOS 1999.

Bharam S and Hershman E. *The Orthopedic Clinics of North America* Volume 33, Number 3. July 2002.

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American Journal of Sports Medicine
Boston, Massachusetts

Review Faculty
Journal of Musculoskeletal Medicine
Greenwich, Connecticut

Editorial Board
Sports Medicine in Primary Care
Decatur, Georgia

Editorial Board
Current Concepts in Sports Medicine
Harrison, New York

Scientific Exhibits:

Hershman EB, Andrish J and Bergfeld JA. Metabolic Aspects of Atypical Tibial Stress Fractures in Athletes. American Academy of Orthopaedic Surgery. New Orleans, Louisiana, 1986.

Briggs K, Katchis SD, Gleim GW, Hershman EB and Nicholas JA. The Effects of Leg Weakness on the Cardiovascular System. Orthopaedic Research Society. New Orleans, Louisiana, 1990.

Thompson TL, Hershman EB and Nicholas JA. Diastasis of the First and Second Metatarsals in Athletes. American Academy of Orthopaedic Surgery. New Orleans, Louisiana, 1990.

McHugh MP, Magnusson SP, Henline DW, Candido KD, Hershman EB and Gleim GW. The Effect of Contractile Inhibition on Acute Adaptations of Human Skeletal Muscle During Passive Stretch. American College of Sports Medicine, Annual Meeting. Indianapolis, Indiana, 1994.

Scherl JD and Hershman EB. Patella Fracture in ACL Reconstruction Using Patella Tendon Autograft. American Orthopaedic Society for Sports Medicine, 2nd World Congress on Sports Trauma, 1996.

Hershman EB, Nisonson B and Scott WN. Long-Term Follow Up of Arthroscopic Lateral Release versus Proximal Patella Realignment for Malalignment Syndrome. American Orthopaedic Society Sports for Medicine. Williamsburg, Virginia, 1983.

Hershman EB, Bergfeld JA and Wilbourn AJ. Brachial Plexus Injuries in Athletes. American Academy of Orthopaedic Surgery. New Orleans, Louisiana, 1986.

Hershman EB, Bergfeld JA and Wilbourn AJ. Brachial Plexus Injuries in Athletes. American Orthopaedic Society of Sports Medicine. San Francisco, California, 1987.

Moskwa A, Hershman EB and Nicholas JA. Diaphyseal Forearm Fractures in Professional Football Players. American Academy of Orthopaedic Surgeons, American Orthopaedic Society for Sports Medicine. Las Vegas, Nevada, 1989.

Gleim GW, Stachenfeld NS, Hershman EB and Nicholas JA. Economy of Walking/Jogging Following ACL Surgery and Rehabilitation. American Orthopaedic Society for Sports Medicine. New Orleans, Louisiana, 1990.

McHugh M, Spitz A, Lorei M, Nicholas S, Gleim GW and Hershman EB. The Effect of ACL Insufficiency on the Economy of Walking and Jogging. American Orthopaedic Society for Sports Medicine, 1992.

McHugh M, Gleim GW, Nicholas SJ and Hershman EB. What Do Knee Arthrometers Measure in the ACL Reconstructed Knee? American Orthopaedic Society for Sports Medicine, 1994.

Moorman CT, Warren RF, Hershman EB, Crowe J, Potter HG, Barnes R and Powell J. Traumatic Hip Subluxation in American Football. American Orthopaedic Society for Sports Medicine, 2nd World Congress on Sports Trauma, Lake Buena Vista, Florida, 1996.

McHugh MP, Tyler TF, Gleim GW, Hershman EB and Nicholas SJ. Are Pre-Operative Measures of Knee Stability, Strength and ROM Predictive of Results Following ACL Reconstruction? American Orthopaedic Society for Sports Medicine, 2nd World Congress on Sports Trauma, Lake Buena Vista, Florida, 1996.

Gelfand J, Kromm A, Bharami S, McHugh M, Kummer F, and Hershman EB; Patella Tendon Autografts for ACL Reconstruction. How Much Patella Can Safely Be Removed? ACL Study Group, Vail, Colorado, 1998

Simoncic J, and Hershman EB; The Fate of Internally Fixed Diaphyseal Forearm Fractures in the Professional Football Player. American Academy of Orthopaedic Surgery Annual Meeting, Anaheim, California, 1999.

Nicholas SJ, D'Amato MJ, Hershman EB, et al; Does Initial Graft Tension During ACL Reconstructions Affect the Restoration of Static Knee Stability? American Orthopaedic Society for Sports Medicine. Specialty Day. Orlando, Florida, March, 2000

Hershman, EB, et al; Allograft Use In the NFL. Sports Medicine 2003: A NFL Experience. San Francisco, California, May, 2003.

Hershman, EB, Montgomery K; Outcomes of Arthroscopic Stabilization in Football Players. National Football League Physicians Society. Indianapolis, IN, February 20, 2004.

Lectures:

Orthopaedic Trauma. New York Society of Critical Care Nursing. 1982, 1984.

Head and Neck Injuries in Athletes. Sports Medicine Symposium. Sandusky, Ohio, 1985.

Ankle Injuries in Athletes. New York Academy of Medicine. New York, New York, 1985.

Common Sports Injuries. New York Academy of Medicine. New York, New York, 1985.

Performance Demands of Tennis. The Medical Aspects of Tennis. New York, New York, April 1988.

Athletic Injuries of the Ankle. Sports Medicine Conference. Somerset Medical Center. Sommerville, New Jersey, April, 1988.

Adolescent Injuries in Athletics. Current Topic in Sports Medicine, New York Academy of Medicine. April, 1988.

The Musculoskeletal System in Adulthood: Concerns Regarding Activity and Aging. American College of Sports Medicine. New York, May, 1989.

Decision Making in the ACL Deficient Knee. Sports Medicine Symposium. Medical College of Wisconsin, 1990.

Pelvis and Lower Extremity Stress Fractures, Forefoot Problems. Team Physician Course, American College of Sports Medicine. Orlando, Florida, 1991.

Evaluation and Treatment of Lower Extremity Injuries. Cabrini Medical Center, New York, 1991.

Medial Collateral Ligament Injuries. Meadowlands Sports Symposium. November, 1991.

Functional Deficits in ACL Deficient Patients. New York Academy of Medicine. November, 1992.

Surgical Options in ACL Deficient Patients. CME course on Accelerated Rehabilitation of the Knee. New York, 1992.

Rehabilitation of the ACL Surgery Patient. American Academy of Orthopaedic Surgery. Summer Institute, 1993.

Foot and Ankle Problems in Athletes. American Medical Society for Sports Medicine. Annual Meeting, 1993.

Forearm Fractures. Sports Medicine 1994: An NFL Perspective. American Orthopaedic Society for Sports Medicine. March 1994.

Current Concepts: Brachial Plexus Injuries in Athletes. American Orthopaedic Society for Sports Medicine. Specialty Day. February 1995.

Functional Adaptation in ACL Deficient Knees. Truman Medical Center. Kansas City, Missouri, April 1995.

Brachial Plexus Injuries in Athletes. Kansas City Orthopaedic Club. April 1995.

Functional Adaptation of the ACL Deficient Knee. Orthopaedic Grand Rounds. Mt. Sinai Medical Center, New York. January 1996.

Visiting Professor. Bay State Medical Center. Springfield, Massachusetts. January 1996.

Brachial Plexus Injuries in Athletes. Orthopaedic Grand Rounds. Schriner's Hospital for Crippled Children. Springfield, Massachusetts. January 1996.

Transient Quadriplegia - Management of Cervical Stenosis in the Athlete. Advanced Team Physician Course. Scottsdale, Arizona. February 1996.

Initial Evaluation and Management of Cervical Spine Injury. American Orthopaedic Society for Sports Medicine. 2nd World Congress on Sports Trauma, 1996.

Current Trends in Knee Ligament and Soft Tissue Surgery / Rehabilitation. NY Physical Therapy Association Annual Meeting. Rye, New York, 1996.

Graft Failure in ACL Surgery. Nassau Surgical Society Meeting. Uniondale, New York. December 1996.

Visiting Professor. U.S. Army Joint and Soft Tissue Trauma Fellowship. Keller Army Hospital. West Point, New York. January 1997.

Visiting Professor. Functional Adaptation to ACL Injury. Winthrop-University Hospital. Mineola, New York. October 1997.

Autogenous Chondrocyte Transplantation. Association of Operating Room Nurses. Lenox Hill Hospital. New York, New York. January 1998.

Complications of ACL Surgery. Orthopaedic Grand Rounds. Mount Sinai Medical Center. New York, New York. May 1998.

Meniscus Repair Techniques, American College of Sports Medicine. New York, New York, November 20, 1999.

Complications of ACL Surgery. Sports Medicine Symposium, New York, New York . June 4, 2001.

What's Hot in Knee Surgery. Sports Medicine Symposium, New York University Medical Center. June 3, 2002.

What's New in Knee Surgery. Sports Medicine Symposium. Hospital for Joint Disease, New York. June 2, 2003.

Ligament injuries in baseball. First Annual Baseball Symposium "Talkin' Baseball". New York November 7, 2003.

Operative Approach to Patellofemoral Disease. Spring Training: 7th Annual Spring Sports Medicine Conference. Minneapolis, MN. June 10, 2004.

Brachial Plexus Injuries. Spring Training: 7th Annual Spring Sports Medicine Conference. Minneapolis, MN. June 11, 2004.

Operative Treatment of Patellofemoral Disorders. Advanced Topics in Management and Treatment of Knee Disorders. Sports Medicine Symposium. Fashion Institute of Technology. New York, NY. October 31, 2004.

Surgical Management of Patellofemoral Pain. Sports Medicine Symposium. Medical College of Wisconsin. Milwaukee, Wisconsin. March 24, 2006.

Treating Patellofemoral Pain with Realignment: Proximal or Distal? New York Society of Orthopaedic Surgeons. Mount Sinai School of Medicine. New York, New York. October 14, 2006.

Course Instructor:

Workshop in Operative Arthroscopy. Lenox Hill Hospital. New York, New York. 1983, 1984.

Instructional Course Lecture. Foot problems in Athletes. American Academy of Orthopaedic Surgery. 1988, 1989, 1990.

Instructional Course Lecture. Cervical Spine and Brachial Plexus Injury. American Orthopaedic Society for Sports Medicine. 1993, 1994, 1995.

Summer Institute. Cruciate Ligament Reconstruction. American Academy of Orthopaedic Surgery. 1993.

Injury Decisions of the Team Physicians – from the field to return to play: head, neck and brachial plexus injuries in football. AOSSM Meeting in Orlando, Florida. July 2, 2002.

Program Chairperson:

Interim Meeting. American Orthopaedic Society for Sports Medicine. San Francisco, California, 1993.

Transpacific Meeting. Japanese Orthopaedic Society for Sports Medicine - American Orthopaedic Society for Sports Medicine. Maui, Hawaii, 1993.

Annual Meeting. American Orthopaedic Society for Sports Medicine. Sun Valley, Idaho, 1993.

Workshops:

American Board of Orthopaedic Surgery / Academic Orthopaedic Society. A clinical curriculum for orthopaedic surgery residency programs. 1990.

Posters:

Maybody M, Dillon M, Hershman E. "Anterior Cruciate Ligament; Assessment of Normal Anatomy, Injuries, Reconstructions and Failed Reconstructions". Posted in the 103rd annual meeting of the American Roentgen Ray Society (San Diego, CA May 5-9), 2003).

Revised 04/24/06 (tr)

TAB 7

Curriculum vitae

July 2006

Robert A. Heyer M.D.

Home Address: 2001 Queens Road West
Charlotte, North Carolina 28207
1-704-375-3591

Office Address: Department of Internal Medicine
Carolinas Medical Center
1000 Blythe Blvd, MEB 507
Charlotte, North Carolina 28203
Office 704-355-3165; 704-355-9483
Fax 704-355-9482

Citizenship: U.S.A.

Date of Birth: November 7, 1947

Place of Birth: Dallas, Texas

Marital Status: Married, 1970- Caroline
Children: Ashley Elizabeth, 1971
Robert Hempstead, 1974

Religion: Episcopalian

Education: 1965-69 B.A. University of the South,
Sewanee, Tennessee
1969-73 M.D. University of Texas
Southwestern Medical School,
Dallas, Texas

Postgraduate Training and Fellowship Appointments:

1973-74 Intern in Medicine, Hospital of the
University of Pennsylvania,
Philadelphia, PA.

1974-76 Resident in Medicine, Hospital of the
University of Pennsylvania,
Philadelphia, PA.

1976-78 Fellowship, Pulmonary Disease,
Hospital of the University of
Pennsylvania,
Philadelphia, PA.

Military Service:

None

Professional Appointments:

Clinical Professor, Department of Medicine,
University of North Carolina School
Of Medicine

1991-93 Chief of Pulmonary Section,
Carolinas Medical Center

1991-96 Medical Director of Respiratory
Therapy, Carolinas Medical Center

1994- Carolina Panthers – Team Internist

2003- 05 Chief of Pulmonary/Critical Care
Division, Department of Internal Medicine,
Carolinas Medical Center

May 2004- NFL Cardiovascular Health
Committee, member

Specialty Certification:

1976 American Board of Internal Medicine
1978 American Board of Internal Medicine,
Pulmonary Disease

Licensure:

North Carolina
South Carolina

Awards, Honors, and Memberships in Honorary Societies:

Phi Beta Kappa
Alpha Omega Alpha
Outstanding Attending- Carolinas Medical
Center 1982 – Department of Internal
Medicine
American Lung Association – President of
Local Chapter 1985-87
North Carolina Thoracic Society – President,
1989-90
American Lung Association of North Carolina
Outstanding Volunteer Award – 1992
Charlotte Country Day School – Honorary
Alumnus Award 1998

Community Service:

Charlotte Country Day School Board of
Trustees 1992-2000
Charlotte Mecklenburg Hospital Authority
Board of Visitors 1992-94

Membership in Professional and Scientific Societies:

American Thoracic Society
American College of Chest Physicians
American College of Physicians
American Association of Medical Directors of
Respiratory Care

TAB 8

CURRICULUM VITAE

University of Pittsburgh

School of Medicine

August, 2007

Mark Robert Lovell Ph.D, ABPN

Home Address: 220 Outlook Drive
Pittsburgh, PA. 15228

Born February 23, 1953
Grand Rapids, Michigan
US citizenship

Home Phone: (412) 561-2388 FAX: (412) 432-3686

Work Address: Department of Orthopaedics and Sports Medicine
University of Pittsburgh Medical Center
3200 South Water Street
Pittsburgh, Pennsylvania 15203
Lovellmr@MSX.UPMC.EDU

EDUCATION AND TRAINING

UNDERGRADUATE

August, 1972 May, 1977	Northern Michigan University	B.S.-Cum Laude	Psychology/Biology
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GRADUATE

September, 1979 June, 1984	Finch University of Health Sciences Chicago Medical School	Ph.D. Clinical Psychology (APA approved)	Neuropsychology
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POSTGRADUATE

August, 1983 September, 1984	University of Nebraska Medical Center Omaha, Nebraska	Internship (APA approved)	Clinical Psychology
August, 1984 September, 1985	University of Nebraska Omaha, Nebraska	Post-Doctoral Fellowship	Clinical Psychology Neuropsychology
June, 1997 July, 1998	Henry Ford Health System Detroit, MI	Graduate	Leadership Development Program

APPOINTMENTS AND POSITIONS

ACADEMIC POSITIONS

November, 2004	University of Pittsburgh	Associate Professor of Orthopaedic Surgery (Primary Appointment)
November, 2004	University of Pittsburgh	Associate Professor of Neurological Surgery
February, 2001	University of Pittsburgh	Assistant Professor of Orthopaedic Surgery
August, 2000 January, 2001	University of Pittsburgh	Visiting Assistant Professor of Orthopaedic Surgery
August, 1994 June, 1996	Medical College of Pennsylvania and Hahnemann University (Allegheny Campus)	Associate Professor of Psychiatry (Psychology)
September, 1988 August, 1994	Medical College of Pennsylvania Allegheny Campus	Assistant Professor of Psychiatry (Psychology)
September, 1986 June, 1996	West Virginia University Department of Psychiatry and Behavioral Medicine	Clinical Assistant Professor of Psychiatry
September, 1985 June, 1996	West Virginia University Department of Psychiatry	Adjunct Assistant Professor
September, 1992 June, 1996	University of Pittsburgh Department of Psychology in Education	Adjunct Assistant Professor

NON-ACADEMIC/ADMINISTRATIVE POSITIONS

June, 2000 Present	University of Pittsburgh Sports Medicine Concussion Program Pittsburgh, PA	Director
June, 1996 June, 2000	Henry Ford Health System Detroit Michigan	Director, Neuropsychology Pre-Doctoral Internship Training Program

June, 1996 June, 2000	Henry Ford Health System Detroit, Michigan	Co-Director Neuropsychology Post-Doctoral Fellowship Training Program
June, 1996 June, 2000	Henry Ford Health System Detroit, Michigan	Director Division of Neuropsychology
June, 1993 June, 1996	Allegheny General Hospital and Allegheny Neuropsychiatric Institute Pittsburgh, Pennsylvania	Director, Section of Psychology and Neuropsychology
September, 1989 June, 1996	Allegheny General Hospital and Allegheny Neuropsychiatric Institute Pittsburgh, Pennsylvania	Founder, Director Psychology Internship, Program (APA approved)
May, 1988 June, 1993	Allegheny General Hospital and Allegheny Neuropsychiatric Institute Pittsburgh, Pennsylvania	Chief of Neuropsychological Services
August, 1985 May, 1988	Allegheny General Hospital Pittsburgh, Pennsylvania	Director of Neuropsychology

CONSULTING POSITIONS

1991-1992	Greater Pittsburgh Rehabilitation Hospital	Neuropsychological Consultant
1993-present	Pittsburgh Steelers Football Club	Neuropsychological Consultant
1995-present	National Football League	Consultant member Subcommittee on Mild Traumatic Brain Injury
1996-present	Philadelphia Eagles Football Club	Neuropsychological Consultant
1997-2000	National Hockey League (NHL)	Founder and Director, Neuropsychology Program

2001-2007	National Hockey League (NHL)	Co-Chairman, Neuropsychology Advisory Board
2007-present	National Hockey League (NHL)	Consultant
1997-1998	Buffalo Sabres Hockey Team	Consultant
1997-2000	Detroit Red Wings Hockey Team	Neuropsychological Consultant
1999-2000	Detroit Lions Football Club	Neuropsychological Consultant
1999-present	Esai-Pfizer Pharmaceutical	Research Consultant
2000-present	Pittsburgh Penguins Hockey Club	Neuropsychological Consultant
2001-present	U.S. Women's Olympic Hockey Team	Neuropsychological Consultant
2001-present	USA Hockey Elite Program	Neuropsychological Consultant
2001-2003	Competitive Automobile Racing Team (CART)	Neuropsychological Consultant
2003-present	CHAMP Car Racing Series	Neuropsychological Consultant
2002-present	Indianapolis Racing League (IRL)	Neuropsychological Consultant
2002-present	Formula 1 Racing	Neuropsychological Consultant
2002-present	NASCAR	Neuropsychological Consultant
2003-present	Center for Disease Control	Consultant/Panel Member National Children's Study (Panel member)

2003-present	Center for Disease Control	Coaches Toolkit Committee (Panel member)
2004-present	US Ski and Snowboard Team	Neuropsychological Consultant
2006-present	Major League Soccer	Neuropsychological Consultant
2007-present	Irish Rugby Medical Board	Neuropsychological Consultant

CERTIFICATION and LICENSURE

American Board of Professional Neuropsychology August, 1999	Diplomate, Board Examiner
Michigan – 6301009992	September 1996- August 2001
Pennsylvania - PS004821 – L	October, 1986-Present

MEMBERSHIP in PROFESSIONAL and SCIENTIFIC SOCIETIES

American Neuropsychiatric Association	July, 1988-August, 2001
National Academy of Neuropsychology	July, 1988-present
International Neuropsychological Society	June, 1990-present
American Psychological Association	September, 1984-present

HONORS and AWARDS

2007	Merit Ward. <u>University of Pittsburgh Medical School Summer Research Program</u> . Best research project. Mentor for Brian Lau.
2007	The Nelson Butters Research Award, The National Academy of Neuropsychology. Best paper of 2006, <u>Archives of Clinical Neuropsychology</u>

- 2005 Finalist: Pittsburgh Business Times Heroes of Healthcare Award
- 2004 Marvels of Medicine Award, The University of Pittsburgh Showcase of Stars, Pitt Magazine
- 2003 Distinguished Alumni Award, Northern Michigan University
- 2003 Finalist: Pittsburgh Business Times Heroes of Healthcare Award
- 2002 Research Award, the American Medical Society of Sports Medicine. Best Overall Research Presentation
- 1996 Elected Fellow, National Academy of Neuropsychology

PUBLICATIONS

REFEREED ARTICLES

1. O'Leary, D.S., **Lovell, M.R.**, Sackalleres, C.J., Berent, S., Giordani, B., Seidenberg, M. & Boll, T.J. The effects of age at onset of partial and generalized seizures on neuropsychological performance in children. Journal of Nervous and Mental Disease. 1983; 171: 624-629.
2. **Lovell, M.R.**, Franzen, M.D. & Golden, C.J. Statistical techniques in neuropsychology IV: analysis of covariance. International Journal of Clinical Neuropsychology. 1987; 55: 49-55
3. Franzen, M.D., and **Lovell, M.R.** Behavioral treatments of aggressive sequelae of brain injury. Psychiatric Annals. 1987; 17:389-396.
4. **Lovell, M.R.**: Pediatric head trauma. Trauma Alert. 1989:36-42.
5. Goetz, K., **Lovell, M.R.** & Price, T.R.P. Neuropsychiatric Aspects of brain tumors. Neuroscience Journal, 1990:18-22.
6. **Lovell, M.R.**: Neuropsychological testing in the epilepsies. Neuroscience Journal. 1990;1 (4):3-12.
7. Goldberg, E., Podell, K., Harner, R., **Lovell, M.R.** & Riggio, S. Cognitive bias, functional cortical geometry, and the frontal lobes: laterality, sex, and handedness. Journal of Cognitive Neuroscience. 1994;6:276-296.
8. Goldberg, E, Podell, K. & **Lovell, M.R.** Lateralization of frontal lobe functions and cognitive novelty. Journal of Neuropsychiatry and Clinical Neuroscience, Special Issue: The Frontal Lobes and Neuropsychiatric Illness. 1994; 6(4):371-378.

9. Brillman, J., Davis, D.A., Clark, R.E., **Lovell M.R.**, Price, T.R.P. & Benckart, D.H. Increased MCA flow during the initial phase of cardiopulmonary bypass may cause neurological dysfunction, Neuroimaging 1995; 5(3):135-141.
10. Clark, R.E., Brillman, J., Davis, D.A., **Lovell, M.R.**, Price, T.R.P. & Magovern, G. Microemboli during CABG: genesis and effect on outcome Journal of Thoracic and Cardiovascular Surgery; 1995;109(2):249-257.
11. Coffey, C.E., Cummings, J.L., Duffy, J.D., Fink, M., Lauterbach, E.C., **Lovell, M.R.** Malloy, P., Nussbaum, P.D., Royall, D.R. & Salloway, S.S. Assessment of treatment outcomes in neuropsychiatry: A report from the committee on research of the American Neuropsychiatric Association. Journal of Neuropsychiatry and Clinical Neuroscience, 1995; 10(1):287-289.
12. Podell, K., **Lovell, M.R.**, Zimmerman, M. & Goldberg, N. The Cognitive Bias Task and lateralized frontal lobe functions in males Journal of Neuropsychiatry and Clinical Neuroscience, 1995;7(4):491-501.
13. Smith-Seemiller, L., **Lovell, M.R.** & Smith, S. Cognitive dysfunction after closed head injury: contributions of demographic, injury severity and other factors. Applied Neuropsychology. 1996;3: 41-47.
14. Smith-Seemiller, L., **Lovell, M.R.**, Smith, S., Markosian, N. & Townsend, R. Impact of skull fracture on neuropsychological functioning following closed head injury, Brain Injury. 1997;11, 191-196.
15. Smith-Seemiller, L., **Lovell, M.R.**, Franzen, M.D., S. & Townsend, R. Neuropsychological function in restrained versus unrestrained motor vehicle occupants who suffer closed head injury, Brain Injury. 1997;11:735-742.
16. Malloy, P., Coffey, C., Cummings, J., Duffy, J, Fink, M., Lauterbach, E., **Lovell, M.**, Royall, D. Salloway, S. Neuropsychological screening in neuropsychiatry: A report of the committee on research of the American Neuropsychiatric Association. Journal of Neuropsychiatry and Clinical Neuroscience. 1997; 9:189-197.
17. Cummings, J., Coffey, C., Duffy, J., Lauterbach, E., **Lovell, M.**, Malloy, P., Royall, D., Rummans, T., & Salloway, S. The clinician-scientist in neuropsychiatry: A position statement from the committee on research of the American Neuropsychiatric Association. Journal of Neuropsychiatry and Clinical Neuroscience. 1998;10 (1):1-9.
18. **Lovell, M.R.** and Collins, M. Neuropsychological evaluation of the college football player. An invited review paper for a special issue on sports-related head injury presented in the Journal of Head Trauma Rehabilitation. 1998;13(2):9-27.

19. Arffa, S., **Lovell, M.R.**, Podell, K & Goldberg, E. Wisconsin Card Sorting Test performance in above average and superior school children: relationship to intelligence and age. Archives of Clinical Neuropsychology. 1998;13(8):713-720.
20. Lauterbach, E., Cummings, J., Duffy, J., Coffey, E., Kaufer, D., **Lovell, M.**, Malloy, P., Reeve, A, Royall, D., Rummans, T. & Salloway, S. Neuropsychiatric correlates of lenticulostratial diseases: A review of the literature and overview of research opportunities in Huntington's, Wilson's and Fahr's diseases. Journal of Neuropsychiatry and Clinical Neuroscience, 1998; 10(3), 249-266.
21. **Lovell, M.R.** Evaluation of brain injury in the professional athlete. Playing safe: Neuropsychological testing in professional sports, Recovery. 1998:9 (3):3-6.
22. Collins, M.W., Grindel, S., **Lovell, M.R.**, Dede, D., Phalin, B., Moser, D., Nogle, S., Wasik, M., Cordry, D., Daugherty, M., Sears, S., Nicilette, G., Indelicato, P., & McKeag, D. The neuropsychological impact of concussion in college football players. Journal of the American Medical Association, 1999; 282(10): 971-976.
23. **Lovell, M.R.**, Iverson, G.L., Collins, M.W., McKeag, D. & Maroon, J.C. Does brief loss of consciousness predict neuropsychological decrements following concussion? Clinical Journal of Sports Medicine, 1999; 9(4): 193-198.
24. Collins, M.W., **Lovell, M.R.** and McKeag, D. Current issues in managing sports-related Concussion. Journal of the American Medical Association, 1999;282:2283-2285.
25. Wojtys, E., Hovda, D., Landry, G., Boland, A., **Lovell, M.**, McCrea, M. and Minkoff, J. Concussion in Sports: Proceeds of a workshop on the Diagnosis and treatment of concussion. American Journal of Sports Medicine, 1999; 27(5):676-687.
26. Iverson, G.L., Frazen, M.D., **Lovell, M.R.** Normative comparisons for the controlled Oral Word Association Test following acute traumatic brain injury. The Clinical Neuropsychologist, 13; 1999, 437-441.
27. Maroon, J.C., **Lovell, M.R.**, Norwig, J., Podell, K., Powell, J.W. & Hartl, R. Cerebral concussion in athletes: evaluation and neuropsychological testing, Neurosurgery, 2000; 47:659-672.
28. LaFrance, C.W., Lauterbach, E.C., Coffey, C.E., Salloway, P.S., Kaufer, D.I., Reeve, A., Royal, D.R., Aylward, E. Rummans, T.A. & **Lovell, M.R.** Use of Herbal Alternative Medicine in Neuropsychiatry: A report of the ANPA Committee on research. Journal of Neuropsychiatry and Clinical Neuroscience, 2000;12(2): 177-192.
29. Iverson, G.L., **Lovell, M.R.**, Smith, S.S. & Franzen, M.D. Prevalence of abnormal CT- Scans following mild head injury. Brain Injury, 2000;14(12):1057-1061.

30. Grindel, S. **Lovell, M.R.** & Collins, M.C. Neuropsychological testing in athletes. Clinical Journal of Sports Medicine, 2001;11(3):134-143.
31. Baird, A., Podell, K., **Lovell, M.R.** and McGinty, SB. Complex real-world functioning and neuropsychological test performance in older adults. The Clinical Neuropsychologist, 2001, 15(3):369-379.
32. **Lovell, M.R.** and Collins, M.W. New developments in the evaluation of sports-related concussion. The Pittsburgh Orthopaedic Journal. 2001;12:107-109.
33. Aubry, M., Cantu, R, Dvorak, J., Graf-Baumann, T., Johnston, K., Kelly, J., **Lovell, M.**, McCrory, P., Meeuwisse, W. and Scharmasch, P. Summary of the first international conference on concussion in sport, Vienna Austria. British Journal of Sports Medicine, 2002;36(1):6-10.
34. Aubry, M., Cantu, R, Dvorak, J., Graf-Baumann, T., Johnston, K., Kelly, J., **Lovell, M.**, McCrory, P., Meeuwisse, W. and Scharmasch, P. Summary of the first international conference on concussion in sport, Vienna Austria. Clinical Journal of Sports Medicine. 2002;12(1):6-11.
35. Aubry, M., Cantu, R, Dvorak, J., Graf-Baumann, T., Johnston, K., Kelly, J., **Lovell, M.**, McCrory, P., Meeuwisse, W. and Scharmasch, P. Summary of the first international conference on concussion in sport, Vienna Austria. The Physician and Sports Medicine. 2002;30(3):1-11.
36. **Lovell, M.R.** The relevance of neuropsychologic testing. Current Sports Medicine Reports. 2002;1(1):7-11 .
37. **Lovell, M.R.** and Collins, M.W. New developments in the evaluation of sports-related concussion. Current Sports Medicine Reports. 2002;1(1):1-6.
38. Collins, M.W., **Lovell, M.R.** and Hawn, K.L. Sports concussion:general issues and the role of preventive dentistry. Journal of the Southwestern Society of Pediatric Dentistry. 2002;8(3):16-18.
39. Maroon, J.C., Field, M., **Lovell, M.R.**, Collins, M.W. and Bost, J. The evaluation of athletes with cerebral concussion. Clinical Neurosurgery.2002;49:319-332.
40. Collins, M.W., **Lovell, M.R.** Iverson, G.L., Cantu, R., Maroon, J.C. and Field, M. Cumulative effects of concussion in amateur athletes. Neurosurgery, 2002, 51, 1175-1181.

41. **Lovell, M.R.**, Collins, M.W., Iverson, G.L., Field, M. Maroon, J.C., Cantu, R., Podell, K. Powell, J.W., Belza, M. and Fu, F.H. Recovery from mild concussion in high school athletes. Journal of Neurosurgery.2003;98:295-301.
42. Field, M., Collins, M.W., **Lovell, M.R.**, Maroon, J. Does age play a role in recovery from sports-related concussion? A comparison of high school and college athletes. Journal of Pediatrics, 2003;142(5):168-173.
43. **Lovell, M.R.**, Collins, M.W. and Fu, F.H. New technology and sports-related concussion. Orthopaedic Technology Review. 2003;5(1);35-37.
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44. Stump, J, **Lovell, MR**, Eddy, W, Roush, B, Welling, J, Bakal, J, Becker, J, Collins, MW, Lowe, A. Functional neuroimaging and neurocognitive recovery after sports-related concussion. British Journal of Sports Medicine, 2004, 38, 662.
45. **Lovell, MR**, Collins, MW, Bradley, JP, van Kampen, D, Moritz, K, McClincey, M. Differential sensitivity of symptoms and neuropsychological testing following sport-related concussion. British Journal of Sports Medicine, 2004, 38, 662.
46. Majerske, CW, Collins, MW, Mihalik, J, Lovell, MR, Wagner, K, Burke, CJ. Concussion in sports: Relationship of activity level after concussion to post-concussive symptoms and neurocognitive performance. British Journal of Sports Medicine, 2004, 38, 662.

47. Collins, MW, McClincey, M., **Lovell, MR**, Stump, J, Lowe, A, Maroon, JC, Fu, F. Cognitive recovery patterns following sports related concussion. British Journal of Sports Medicine, 2004, 38, 662.
48. Schnakenberg-Ott, S., Fazio, V., Pardini, J., Stovall, C., **Lovell, M.**, & Collins, M. (2006, October). *The relation between acute symptom presentation and cognitive functioning in concussed amateur athletes*. Poster presented at the 26th annual National Academy of Neuropsychology conference, San Antonio, TX.
49. Schnakenberg-Ott, S., Stovall, C., **Lovell, M.**, Fazio, V., Pardini, J., & Collins, M. (2006, October). *Relation of post concussion symptom presentation and eventual return to play in amateur athletes*. Poster presented at the 26th annual National Academy of Neuropsychology conference, San Antonio, TX.
50. Stovall, C., Schnakenberg-Ott, S., Pardini, J., Fazio, V., **Lovell, M.** & Collins, M. (2006, October). *The use of memory constructs as indicators of cognitive dysfunction in concussed athletes*. Poster
51. Fazio, V., Fiorillo, M., Schenberg-Ott, S., **Lovell, M.**, Pardini, J. & Collins, M.W. (2006, September). *Relation between Acute Marker Presentation and Recovery Period In Concussed Amateur Athletes*. Poster Presentation submitted to the meeting of the North American Brain Injury Society, Miami, FL.
52. Rousch, R., Pardini, J.E., Fazio, V., McClincy, M., Schenberg-Ott, S., & **Lovell, M.R.** (2006, August). *The relationship of amnesia to cognitive impairment following sports related concussion*. Oral Presentation accepted at the meeting of the American Psychological Association, New Orleans, LA.
53. Schenberg-Ott, S., Pardini, J.E., Fazio, V., **Lovell, M.R.**, & Collins, M.C. (2006, August) *The Relationship Between Region of Injury and Neuropsychological Deficits in Concussed Athletes*. Poster Presentation accepted at the meeting if the American Psychological Association , New Orleans, LA.
54. Fazio, V., Pardini, J.E., **Lovell, M.R.**, & Collins, M.C. (2006, February). *A Comparison of the Diagnostic Utility of the SCAT and ImPACT Assessment Systems in Sports Concussion*. Poster session presented at the meeting of the International Neuropsychological Society, Boston, MA.

TEST AND BOOK REVIEWS

1. **Lovell, M.R.** A review of *Advances in Epileptology: XIVth Epilepsy International Symposium*, Edited by M. Parsonage, R. E. Grant, A. G. Craig and A. A. Ward. In Book Reviews in the Neurosciences. Madison, Wisconsin: The Blors Corporation, 1985.

2. **Lovell, M.R.** A review of the Missouri Children's Picture Series. In R. C. Sweetland and D.J. Keyser (eds.) Test Critiques, Volume 1. Kansas City: Test Corporation of America, 1984.
3. Rothermel, R. and **Lovell, M.R.** A review of the Personality Inventory for Children. In R. C. Sweetland and D. J. Keyser (eds.) Test Critiques, Volume II. Kansas City: Test Corporation of America, 1985.

PROFESSIONAL ACTIVITIES

TEACHING EXPERIENCE

An Introduction to Neuropsychology - A graduate course offered through the Department of Psychology and Education, the University of Pittsburgh, 1994.

Psychological Testing - A course offered through the Psychiatry Residency Medical College of Pennsylvania-Allegheny Campus, 1995-1996.

Regular presentations through the Neurosciences Core Curriculum, Departments of Psychiatry, Neurosurgery and Neurology, the Medical College of Pennsylvania, 1994-1996.

Regular presentations through the Psychiatry Residency Lecture Series, the Medical College of Pennsylvania, 1993-1996.

Regular presentations through the Psychology Internship Lecture Series, Allegheny General Hospital, 1989-1996.

Regular presentations through the Psychiatry Residency, Henry Ford Health System, 1996-2000.

Regular presentations through the Psychology Internship, Henry Ford Health System, 1996-2000.

Medical student, Resident and Fellow research advisement, University of Pittsburgh Medical Center, 2000—2007.

University of Pittsburgh Medical School Student Mentor, 2007.

FUNDED RESEARCH

Lovell, M.R. and Goldberg, E. Frontal lobe function in neurologic and psychiatric patients. Total Award: \$208,755.00. Allegheny-Singer Research Institute (1989-1992). **Co-Principal Investigator**, Twenty five percent effort.

Goldberg, E., **Lovell, M.R.** & Garber, J. Fundamental aspects of hemispheric specialization. Total Award: \$118,000.00. Allegheny-Singer Research Institute (1992-1993). **Co-Principal Investigator**, Ten Percent effort.

Arffa, S., **Lovell, M.R.**, Podell, K. & Goldberg, E. The development of executive functions in normal children. Total Award: \$10,000.00. Allegheny-Singer Research Institute (1993-1994). **Co-Investigator**, Five percent effort.

Nathan, S., Price, T.R.P., Goetz, K., Zimmer, B. & **Lovell, M.R.** A placebo controlled study of Pramiracetam in depressed patients undergoing electroconvulsive therapy: total award: \$15,000.00 Cato Research Corporation (1992-1993). **Co-Investigator**, Five percent effort.

Lovell, M.R. and Malec, E: Adolescent head injury: family variables. Total award: \$3,000.00. Allegheny-Singer Research Institute (1992-1993). **Co-Investigator**, Five percent effort.

Brillman, J, Clark, R **Lovell, M.R.**, Price, T.R.P. & Magovern G. Transcranial dopler monitoring during cardiopulmonary bypass surgery: \$180,000.00. Syntec Corporation (1993-1996). **Co-Investigator**, Ten Percent effort.

Young, L., Fields, R. & **Lovell, M.R.** Neuropsychological differentiation of the geriatric head injury from dementia. Total award: \$10,000.00. Allegheny-Singer Research Institute (1994-1995). **Co-Principal Investigator**, Three percent effort.

Kaufman, H., Elkadi, H. Maroon, J. & **Lovell, M.R.** Early prediction of severity of closed head injury in football accidents using neuropsychological testing, MRI and PET. Total award: \$20,000.00 per year for two years. The National Operating Committee on Standards for Athletic Equipment (1995-1997). **Co-Principal Investigator**, Five percent effort.

Arffa, S., Podell, K., **Lovell, M.R.** & Goldberg, E. Norming of the Cognitive Bias Test For children. Total award: \$9,400.00. Allegheny-Singer Research Institute (1996-1997). **Co-Investigator**, Five percent effort.

Arffa, S., Hirsh, M., Hechtman, D., Fields, R. & **Lovell, M.R.** Post-concussion Complaints following mild to moderate traumatic brain injury in children. Total award: \$10,000. Allegheny-Singer Research Institute (1996-1997). **Co-Principal**

Investigator, Three percent effort

Lovell, M.R. The use of neuropsychological assessment in the National Football League. A pilot study funded by NFL Charities. Total award: \$14,000 (1996-1997). Ten percent effort.

Lovell, M.R., Collins, M.C., Podell, K. et al. The Development of objective criteria for return to play following concussion: Traditional and computerized neuropsychological testing approaches. National Collegiate Athletic Association (NCAA), \$8,000 (1999-2000). **Principal Investigator**, Five percent effort.

Lovell, M.R., Podell, K. & Collins, M.W. The comparison of computerized versus traditional neuropsychological testing in developing objective criteria for return to play following concussion in High School Athletes. National Academy of Neuropsychology, \$17,960 (1999-2000). **Principal Investigator**, Ten Percent effort.

Parodi, A., **Lovell, M.R.** Establishing military feasibility and baseline population normative scores of neurocognitive function using the ImPACT assessment tool: Pilot phase of a multi-year study. Naval Health Research Center, \$168,957.06. **Co-Principal Investigator** (no salary support until 2007)

CURRENT RESEARCH SUPPORT

Lovell, M.R., Collins, M.W., Boada, F., Field, M., Becker, J.T. and Eddy, W. fMRI and Sports-Related Concussion. NIH/NINDS (RO1), \$2,856,000.00 (2001-2006). **Principal Investigator**, Sixty percent effort.

Gioia, G, **Lovell, M.R.** and Collins, M.W. Development and Validation of Measures to Assess Outcome of Mild TBI. Department of Health and Human Services and the Center for Disease Control, \$1,940,360 (2003-2007). Site **Principal Investigator**, Twenty percent effort.

Collins, M.W., **Lovell, M.R.**. Helmet Type and Recovery from Concussion in High School Athletes. Ridell Corporation, \$87,000. **Co-Investigator**, Ten Percent Effort.

Lovell, M.R. Collins, M.W., Maroon, J.C. Separating TBI from PTSD in Warfighters. \$500,000 Congressional appropriation (TATRC). **Principal Investigator**.

PRESENTATIONS, WORKSHOPS, SYMPOSIA

1. **Lovell, M.R.** Clinical Administration of the Intelligence Scale of the Luria-Nebraska Neuropsychological Battery (Form III). A poster presented at the Second Annual Conference of the Luria-Nebraska. Omaha, May, 1984.
2. **Lovell, M.R.** and Franzen, M.D. Neuropsychological lateral signs in schizophrenia and depression. A poster presented at the annual convention of the National Academy of Neuropsychology. San Diego, October, 1984.
3. Mac Innes, W., Robbins, D.E. & **Lovell, M.R.** Longitudinal change in cognitive function in a healthy elderly group. A paper presented at the annual meeting of the Mid-America Congress on Aging. Kansas City, April, 1985.
4. Capuco, J., **Lovell, M.R.**, Golden, C.J. & Donias, S. Standardization of a Greek version of the Luria-Nebraska Neuropsychological Test Battery. A paper presented at the annual meeting of the American Psychological Association, Washington, August, 1985.
5. Franzen, M.D. and **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, Washington, May, 1986.
6. **Lovell, M.R.** and Franzen, M.D. Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, Chicago, May, 1987.
7. Haag, B. Maroon, J., **Lovell, M.R.** & Klein, J. C. The effects of cerebral concussion on high school football players. A paper presented at the Fourth Annual National Traumatic Brain Injury Symposium, Baltimore, March, 1988.
8. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, Montreal, May, 1988.
9. **Lovell, M.R.** Behavioral sequelae of head injury. A lecture presented at the Head Injury Symposium, Pittsburgh, April, 1988.
10. Franzen, M.D. and **Lovell, M.R.** Minor head injury: whiplash, sports injuries, and blows to the head. A workshop presented at the National Academy of Neuropsychology, Orlando, November, 1988.
11. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, San Francisco, May, 1989.

12. **Lovell, M.R.**, Maroon, J. & Haag, E. Cognitive functioning in high school football players. A paper presented as part of a symposium on athletic head trauma at the annual convention of the International Neuropsychological Society, Vancouver, February, 1989.
13. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, New York, May, 1990.
14. **Lovell, M.R.** The use of neuropsychological testing in the general hospital setting. A grand rounds presentation at Allegheny General Hospital, Pittsburgh, February, 1990.
15. **Lovell, M.R.** Functional neuroimaging. A lecture presented at the Rehabilitation Institute of Pittsburgh, March, 1990.
16. **Lovell, M.R.** Regional brain dysfunction following head injury. A grand rounds presentation at Greater Pittsburgh Rehabilitation Hospital, Pittsburgh, October, 1991.
17. **Lovell, M.R.** Frontal lobe dysfunction in the rehabilitation setting. A grand rounds presentation at Greater Pittsburgh Rehabilitation Hospital, Pittsburgh, December, 1991.
18. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, New Orleans, May, 1991.
19. **Lovell, M.R.**, Uzzell, B. & Smith, S. Acute Care Neuropsychology. A workshop presented at the annual convention of the National Academy of Neuropsychology, Dallas, November, 1991.
20. **Lovell, M.R.** Mild head injury. A lecture presented at the Road to Recovery Following Head Injury, Pittsburgh, February, 1992.
21. **Lovell, M.R.** The use of the Sodium Amytal (Wada) test in the evaluation of the epilepsy patient. A lecture presented to the Pittsburgh Area Society of EEG Technologists, Pittsburgh, August, 1992.
22. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, Washington, May, 1992.
23. **Lovell, M.R.** Assessment of patients with head trauma. A continuing education workshop presented at the annual convention of the American Psychiatric Association, San Francisco, May, 1993.
24. Mabry, M., McConnell, H., Valeriano, J. **Lovell, M.R.**, Gulati, J. & Rubin, R. Assessing the Quality of life in epilepsy: development of a new inventory. A paper presented at the

- first annual Research Day, Allegheny Neuropsychiatric Institute, Pittsburgh, December, 1993.
25. Fishman, E., Coffey, E., Fields, R. & **Lovell, M.R.** Schedule for clinical assessment in neuropsychiatry (SCAN). A paper presented at the first annual Research Day, Allegheny Neuropsychiatric Institute, Pittsburgh, December, 1993.
 26. Clark, R.E., Davis, D.A., **Lovell, M.R.**, Magovern, G. & Brillman, J. Microemboli during CABG. Genesis and effect on outcome. A paper presented at the annual conference of the American Association for Thoracic Surgery, New York, April, 1994.
 27. **Lovell, M.R.** Assessment of Patients With Head Injury. A continuing education workshop presented at the annual convention of the American Psychiatric Association, Philadelphia, May, 1994.
 28. Fishman, E., Coffey, C.E., Fields, R. & **Lovell, M.R.** Schedule for clinical assessment in neuropsychiatry (SCAN). A paper presented at the joint meeting of the British and American Neuropsychiatric Associations, Newport, July, 1994.
 29. **Lovell, M.R.**, Kane, V., Smith, S.S. & Diamond, D. Neuropsychological and psychosocial markers of outcome in mild closed head injury. A presentation at the joint meeting of the British and American Neuropsychiatric Associations, Newport, July, 1994.
 30. Smith-Seemiller, L., **Lovell, M.R.** & Smith, S.S. Patterns of memory impairment following closed head injury. A paper presented at Cognitive Rehabilitation/Community Integration After Brain Injury, San Antonio, September, 1994.
 31. Kane, V., **Lovell, M.R.**, Slomka, G., Smith-Seemiller, L., Kozlina, M., Hirsh, M. & Kant, V. A. Preliminary study of risk factors and outcome measures in pediatric brain injured patients. A Paper presented at Cognitive Rehabilitation/Community Integration After Brain Injury, San Antonio, September, 1994.
 32. **Lovell, M.R.** Neuropsychological evaluation of the head injured patient. A lecture presented at Mild Brain Injury-What's So Mild About It? Pittsburgh, September, 1994.
 33. **Lovell, M.R.** Neuropsychology and Aging. Participant in a panel discussion at conference on aging. Pittsburgh, September, 1994.
 34. Afra, S., **Lovell, M.R.**, Podell, K. & Goldberg, E. The development of executive functions in children. A poster presentation at the annual convention of the National Academy of Neuropsychology, Orlando, November, 1994.
 35. **Lovell, M.R.**, Smith-Seemiller, L. & Smith, S.S. Patterns of cognitive impairment following traumatic brain injury: predictive factors. A paper presented at the annual meeting of the National Academy of Neuropsychology, Orlando, November, 1994.

36. **Lovell, M.R.** Concussion in professional athletes: The Pittsburgh Steelers concussion project. An invited lecture for National Football League Physicians at the NFL scouting combine, Indianapolis, February, 1995.
37. **Lovell, M.R.** Concussion in professional athletes. An invited lecture for NFL athletes-sponsored by the Brain Injury Association. Newport Beach, February, 1995.
38. **Lovell, M.R.** Concussion in Athletes and Non-Athletes. A Grand Rounds lecture to the Department of Psychiatry, Medical College of Pennsylvania-Pittsburgh Campus, March, 1995.
39. **Lovell, M.R.** Clinical assessment of frontal lobe disorders. A lecture presented as part of the New Developments in Neuropsychiatry Series at the Annual Convention of the American Psychiatric Association, Miami, May, 1995.
40. **Lovell, M.R.** The integration of neuropsychological assessment into ECT practice. A symposium presented at the Annual Convention of the Association for Convulsive Therapy, Miami, May, 1995.
41. **Lovell, M.R.** Neuropsychological assessment of traumatic brain injury. A Lecture presented at the Annual Convention of the American Psychiatric Association, Miami, May, 1995.
42. **Lovell, M.R.** Concussion in the Professional Athlete. A presentation to the Kansas City Sports Medicine Round Table, Kansas City, October, 1995.
43. Young, L., Fields, R.F. & **Lovell, M.R.** Neuropsychological differentiation of geriatric head Injury from mild dementia. A paper presented at the Annual meeting of the American Neuropsychiatric Association, Pittsburgh, October, 1995.
44. **Lovell, M.R.**, Smith-Seemiller, L. & Smith, S. Relationship between CT findings and neuropsychological functioning in head trauma survivors. A paper presented at the Annual meeting of the National Academy of Neuropsychology, San Francisco, November, 1995.
45. Smith-Seemiller, L., **Lovell, M.R.** & Smith, S. Impact of acute intoxication of the Glasgow Coma Scale scores of trauma patients. A paper presented at the Annual Meeting of the National Academy of Neuropsychology, San Francisco, November, 1995.
46. Arffa, S., **Lovell, M.R.**, Podell, K. & Goldberg, E. Performance on four measures of executive functioning in an intellectually gifted sample of children. A paper presentation at the Annual Meeting of the National Academy of Neuropsychology, San Francisco, November, 1995.

47. **Lovell, M.R.** Neuropsychological assessment of the adult. A symposium on Neuropsychology Across the Lifespan presented at the Annual Meeting of the National Academy of Neuropsychology, San Francisco, November, 1995.
48. **Lovell, M.R.** The use of neuropsychological testing in athletics: A seminar for coaches and Trainers. A lecture sponsored by The Brain Injury Foundation, San Diego, December, 1995.
49. **Lovell, M.R.** The use of neuropsychological testing to evaluate head injury in an acute trauma setting, University of Tennessee, Knoxville, December, 1995.
50. **Lovell, M.R.** An update on the use of neuropsychological testing for the evaluation of concussion. Presented at the Annual Meeting of NFL Team Physicians, Indianapolis, February, 1996.
51. **Lovell, M.R.** Sports related concussion: Neurosurgical and Neuropsychological evaluation and management (program co-chairperson). Pittsburgh, March, 1996.
52. **Lovell, M.R.** Neuropsychological evaluation of post-concussion syndrome. A workshop presented at the Annual Convention of the American Psychiatric Association, New York, May, 1996.
53. **Lovell, M.R.** Neuropsychological assessment in the NFL. A lecture presented as part of a symposium on head injury in sports. Annual Convention of the American Psychological Association. Toronto, August, 1996.
54. **Lovell, M.R.** & Townsend, R.N. Cognitive evaluation of minimal head injury (GCS=15). A paper presented at the Association for the Surgery for Trauma. Houston, September, 1996.
55. Iverson, G., **Lovell, M.**, Franzen, M., & Smith, S. Digit Span as a marker for exaggerated responding: Base rate data for persons with head injuries. International Congress of Psychology, Montreal, Quebec, August, 1996.
56. **Lovell, M.R.** Neuropsychological assessment in the NFL. A Grand Rounds presentation, Henry Ford Hospital, Detroit, October, 1996.
57. Smith-Seemiller, L., **Lovell, M.R.**, Smith, S.S. & Markosian, N. Impact of skull fractures on neuropsychological functioning following closed head injury. A poster presented at the Annual Conference of the International Neuropsychological Society, Orlando, February, 1997.

58. Franzen, M., **Lovell, M.**, Iverson, G., Smith, S., & Smith-Seemiller, L. Percent retention on WMS-R delayed recall subtests in patients with acute closed head injury. International Neuropsychological Society 25th Annual Meeting, Orlando, February, 1997.
59. **Lovell, M.R.** Neuropsychological evaluation of the professional athlete. A lecture presented at the Second Annual Conference on Sports-Related Head Injury and Spinal Disorders, Orlando, February, 1997.
60. Iverson, G. & **Lovell, M.R.** Does brief loss of consciousness affect cognitive functioning after mild head injury? A paper presented at the Annual Conference of the International Neuropsychological Society, Orlando, February, 1997.
61. Franzen, M.D., **Lovell, M.R.** & Smith, S.S. Relative effects of CHI on forward and backward digit repetition. A poster presented at The Eighth Annual Meeting of the American Neuropsychiatric Association, Orlando, February, 1997.
62. Franzen, M.D., **Lovell, M.R.** & Smith, S.S. Verbal learning in acute closed head injury. A poster presented at the Eighth Annual meeting of the American Neuropsychiatric Association, Orlando, February, 1997.
63. **Lovell, M.R.** Sports-related concussion and Spinal Disorders (program co-chairman), Orlando, February, 1997.
64. **Lovell, M.R.** Concussion in professional sports. A lecture presented at the Michigan Neuropsychological Society, Detroit, February, 1997.
65. **Lovell, M.R.** Neuropsychological evaluation of the professional athlete. A paper presented at the annual convention of the American Medical Society for Sports Medicine, Colorado Springs, April, 1997.
66. **Lovell, M.R.** Neuropsychological Evaluation of the football Player. A paper presented at the Sports and Recreation Symposium on Head Injury, Charlotte, June, 1997.
67. **Lovell, M.R.** Evaluation of Concussion in athletes. A lecture presented at the Eighth Annual Neuroscience Forum, Marquette General Hospital, Marquette, June, 1997.
68. **Lovell, M.R.** Evaluation of Concussion in the National Hockey League. A lecture presented at the annual convention of the Professional Hockey Athletic Trainers Association, Salt Lake City, June, 1997.
69. **Lovell, M.R.** Neuropsychological assessment of the professional athlete. A paper presented as part of a symposium on Sports Related Head Injury. The Annual Convention of the National Academy of Neuropsychology, Las Vegas, November, 1997.

70. **Lovell, M.R.** The use of neuropsychological testing in sports. A lecture presented as part of a summit workshop sponsored by the American Orthopaedic Society of Sports Medicine, Chicago, December, 1997.
71. Iverson, G.L., Franzen, M.D., **Lovell, M.** & Smith, S.S. Complicated vs. uncomplicated mild head injury. International Neuropsychological Society, Honolulu, 1997.
72. Iverson, G.L., Franzen, M.D. & **Lovell, M.R.** Hopkins Verbal Learning Test: Application to acute traumatic brain injury. A poster presented at the American Neuropsychiatric Association, Honolulu, February, 1998.
73. Iverson, G.L., **Lovell, M.R.**, Smith, S.S. & Franzen, M.D. Base rate of abnormal scans following mild head injury. A poster presented at the International Neuropsychological Society, Honolulu, February, 1998.
74. **Lovell, M.R.** Sports-Related Concussion and Nervous System Injuries (conference course director), Orlando, March, 1998
75. Maroon, J., **Lovell, M.R.** & Burke, C. The management of concussion in athletics: A paper presented at the Neurosurgical Society of America, Montreal, May, 1998.
76. **Lovell, M.R.** Neuropsychological Testing: Role in determining playability and retirement. A lecture presented at the 21st. Annual Sports-Medicine Symposium, University of Wisconsin, Madison, May, 1998.
77. **Lovell, M.R.** The use of Neuropsychological testing in the measurement of concussion. A lecture presented for the Department of Kinesiology, the University of Wisconsin, Madison, May, 1998.
78. **Lovell, M.R.** Sports-related head injury in sports. A lecture presented at The Mayo Clinic, Rochester, June, 1998.
79. **Lovell, M.R.** The evaluation of concussion in the NFL and NHL. A lecture presented at The Mayo Clinic, Rochester, June, 1998.
80. **Lovell, M.R.** Mild traumatic brain injury in sports. A lecture presented at The Mayo Clinic, Rochester, June, 1998.
81. **Lovell, M.R.** Concussion in youth sports: myth or fact. A lecture presented at Concussion in youth sports: guidelines for evaluation and management of concussion in youth and prevention of secondary brain injury. A symposium presented by the Brain Injury Association of Nebraska, Lincoln, August, 1998.
82. **Lovell, M.R.** Biomechanics of brain injury in youth sports. A lecture presented at Concussion in youth sports: guidelines for evaluation and management of concussion in

youth and prevention of secondary brain injury. A symposium presented by the Brain Injury Association of Nebraska, Lincoln, August, 1998.

83. **Lovell, M.R.** The National Hockey League neuropsychological testing program. A symposium presented at the 106th. (Symposium Chair) Annual Convention of the American Psychological Association, San Francisco, August, 1998.
84. **Lovell, M.R.** The National Football League neuropsychological testing program. A presentation at a meeting of the NFL Team Physicians Conference, New York, August, 1998.
85. **Lovell, M.R.** The National Football League neuropsychological testing program. A presentation at a meeting of the NFL Team Physicians Conference, Phoenix, August, 1998.
86. **Lovell, M.R.** Concussion in athletes. Conference chair, Detroit, October, 1998.
87. **Lovell, M.R.** The biomechanics of concussion in athletes. A presentation at Concussion in Athletes, Detroit, October, 1998.
88. **Lovell, M.R.** Neuropsychological evaluation of the professional athlete. A presentation at Concussion in Athletes, Detroit, October, 1998.
89. **Lovell, M.R.** Treatment of the injured athlete. A presentation at Concussion in Athletes, Detroit, October, 1998.
90. **Lovell, M.R.** Neuropsychological testing in professional sports. A presentation at the Ontario Brain Injury Association (Keeping Score- Brain Injury in Sports), Hamilton, May, 1999.
91. **Lovell, M.R.** The NHL neuropsychological testing program: history and background. A Symposium at the Canadian Psychological Association Annual Convention, Halifax, May, 1999.
92. Iverson, G. L. & **Lovell, M. R.** (1999, November). Impact of concussion: Testing assumptions regarding medical management and return to play. National Academy of Neuropsychology, San Antonio, Texas, November, 1999.
93. Iverson, G. L., Franzen, M., & **Lovell, M.** (1999, November). Normative comparisons for the Controlled Oral Word Association Test following acute traumatic brain injury. National Academy of Neuropsychology, San Antonio, Texas, November, 1999.
94. **Lovell, M.R.** Concussion Guidelines: Advantages and Disadvantages. A Symposium at The American Psychological Association Annual Convention, Boston, August, 1999.

95. **Lovell, M.R.** Biomechanics and pathophysiology of head injury in athletes. A lecture at the Ninth Annual Mayo Clinic Symposium on Sports Medicine, Rochester, November, 1999.
96. **Lovell, M.R.** Making return-to-play decisions following head injury in athletes. A lecture at the Ninth Annual Mayo Clinic Symposium on Sports Medicine, Rochester, November, 1999 (Keynote Address).
97. **Lovell, M.R.** and Echemendia, R. Neuropsychological testing in the National Hockey League. A presentation at the annual meeting of the NHL Team Physicians, Toronto, February, 2000.
98. Podell, K., Wisniewski, K. & **Lovell, M.R.** The assessment of echopraxia as a component of executive control deficit in traumatic brain injury. A presentation at the annual Conference on the Frontal Lobes, Toronto, February, 2000.
99. **Lovell, M.R.** The NHL Neuropsychology Program. A presentation at the annual meeting of the Professional Hockey Athletic Trainers Association, Orlando, June, 2000.
100. **Lovell, M.R.** Sports Neuropsychology. American Congress of Sports Medicine, Indianapolis, June, 2000.
101. **Lovell, M.R.** Neuropsychological testing in the United States. A presentation at Erasmus University, Rotterdam, the Netherlands, June, 2000.
102. **Lovell, M.R.** Sports Neuropsychology. A presentation at American Academy of Physical Medicine and Rehabilitation-Resident Physician Council, Ann Arbor, August, 2000.
103. **Lovell, M.R.** Sports Neuropsychology. A Grand Rounds presentation at the Finch University of Health Sciences, Chicago, October, 2000.
104. Echemendia, R. and **Lovell, M.R.** Sports neuropsychology. A workshop presented at the annual convention of the National Academy of Neuropsychology, Orlando, November, 2000.
105. **Lovell, M.R.**, Podell, K., Collins, M.W., Maroon, J.C. and Powell, J. The use of computerized neuropsychological testing in sports. A presentation at the annual convention of the National Academy of Neuropsychology, Orlando, November, 2000.
106. **Lovell, M.R.** Neuropsychological testing. A lecture presented at the annual Advanced Team Physician meeting of the American Medical Association of Sports Medicine, Orlando, December, 2000.
107. **Lovell, M.R.** Second Impact Syndrome. A lecture presented at the annual Advanced

Team Physician meeting of the American Medical Association of Sports Medicine, Orlando, December, 2000.

108. **Lovell, M.R.** Brief loss of consciousness in a soccer athlete-a case presentation. A Presented at the annual Advanced Team Physician meeting of the American Medical Association of Sports Medicine, Orlando, December, 2000.
109. **Lovell, M.R.** No loss of consciousness in a high school football athlete-a case presentation. A Presentation at the annual Advanced Team Physician meeting of the American Medical Association of Sports Medicine, Orlando, December, 2000.
110. **Lovell, M.R.** The National Hockey League Neuropsychology Program: An Update. National Hockey league Team Physicians Society, Denver, February, 2001.
111. **Lovell, M.R.** Sports-related Concussion:Neuropsychological Testing. A symposium presented at the Annual Meeting of the American Medical Society for Sports Medicine. San Antonio, April, 2001.
112. **Lovell, M.R.** and Collins, M.W. ImPACT. A lecture presented at the Annual Meeting of the Big 12 Conference Athletic Trainers, Dallas, April, 2001.
113. **Lovell, M.R.** ImPACT: new technology in the evaluation of concussion. A lecture presented at the UPMC Conclave. Seven Springs Resort, May, 2001.
114. **Lovell, M.R.** Concussion in the Female Athlete. A lecture presented at the First Annual Conference on the Female Athlete. The University of Pittsburgh, May, 2001.
115. **Lovell, M.R.** Concussion in American Professional Sports. A lecture presented at the First Annual International Conference on Soccer Injuries, Amsterdam, the Netherlands, June, 2001.
116. **Lovell, M.R.** The NHL Neuropsychological Testing Program: An Update. A lecture presented at the Annual Meeting of the Professional Hockey Athletic Trainers Association (PHATS), Palm Dessert, June 2001.
117. **Lovell, M.R.** New Developments in Sports-Related Concussion (Conference Co-Director). Pittsburgh, July, 2001.
118. **Lovell, M.R.** The NFL and NHL neuropsychology programs. A lecture presented at New Developments in Sports-Related Concussion. Pittsburgh, July, 2001.
119. **Lovell, M.R.** Concussion in soccer: separating fact from fiction. A lecture presented At New Developments in Sports-related Concussion. Pittsburgh, July, 2001.

120. **Lovell, M.R.** Concussion in the National Hockey League. A lecture presented at Sports Medicine & Hockey: A Summit for the NHL and Beyond. Toronto, August, 2001.
121. **Lovell, M.R.** The NHL Neuropsychology Program. A lecture presented at the International Symposium on Concussion in Sports. Vienna Austria, October, 2001.
122. **Lovell, M.R.** and Echemendia, R.J. The NHL neuropsychological testing program: Current status. A lecture presented at the Annual Meeting of the NHL Team Physicians' Society, Los Angeles, February, 2002.
123. Iverson, G. L., Slick, D. J., Franzen, M. D., & **Lovell, M. R.** WCST-64 performance following traumatic brain injury. International Neuropsychological Society, Denver, Colorado, 2002.
124. Iverson, G. L., Podell, K., **Lovell, M.**, & Collins, M. ImPACT normative data for high school and college athletes. National Academy of Neuropsychology, Miami, Florida, October, 2002.
125. Iverson, G.L., Gaetz, M., **Lovell, M.R.**, & Collins, M.W. Relation between fogginess and outcome following concussion. National Academy of Neuropsychology, Miami, Florida, October, 2002.
126. Bradley, J., **Lovell, M.R.**, Collins, M.W., Maroon, J.C. and Fu, F.H. The Pittsburgh Steelers Concussion Program. Presented at the Annual Meeting of the NFL Team Physician's Society, Indianapolis, February, 2002.
127. **Lovell, M.R.**, Collins, M.W., Burke, C.J. New developments in the evaluation of concussions in soccer. A lecture presented at Concussions in Soccer, an International Perspective. Beverly Hills, March, 2002.
128. Hagen, T., **Lovell, M.R.** Collins, M.W. and Fu, F.H. Gender differences in recovery from concussion. Presented at Concussions in Soccer: An International Perspective. Beverly Hills, March, 2002.
129. **Lovell, M.R.** Does Brief Loss of consciousness define concussion severity in athletes? American Medical Society for Sports Medicine, Annual Meeting, Orlando, April, 2002.
130. Collins, M.W., **Lovell, M.R.**, Maroon, J.C. and Fu, F.H. Computerized neuropsychological testing in sports. Presented at the annual convention of the American Medical Society for Sports Medicine, Orlando, April, 2002.
131. **Lovell, M.R.** Mild traumatic brain injury in children. Presented at the National Congress on Childhood Emergencies, Dallas, April, 2002.

132. **Lovell, M.R.** Mild traumatic brain injury in children. A national teleconference sponsored by the Pennsylvania Training and Technical Assistance Network, Pittsburgh (WQED), April, 2002.
133. **Lovell, M.R.**, Collins, M.W. Maroon, J.C., Cantu, R. Hawn, K.L., Burke, C.J. & Fu, F. H. Inaccuracy of symptom reporting in athletes. Presented at the Annual convention of the American Congress of Sports Medicine, St. Louis, May, 2002.
134. Collins, M.W., **Lovell, M.R.**, Maroon, J.C., Cantu, R. & McKeag, D. Memory dysfunction eight days post-concussion in high school athletes. Presented at the Annual convention of the American Congress of Sports Medicine, St. Louis, May, 2002
135. **Lovell, M.R.** Neuropsychological consequences of MTBI in Ice Hockey. A lecture presented at the Fourth International symposium on Safety in Ice Hockey (ASTM), Pittsburgh, May 2002.
136. **Lovell, M.R.** Loss of consciousness following concussion: How important is it? Presented at The annual convention of the National Athletic Trainers Association, Dallas, June 2002.
137. Collins, M.W., **Lovell, M.R.** New developments in concussion management. Presented at the annual convention of the National Athletic Trainers Association, June, 2002.
138. Hawn, K.L., **Lovell, M.R.** & Collins, M.W. Important markers of recovery from concussion. Presented at the annual convention of the National Athletic Trainers Association, Dallas, June, 2002.
139. **Lovell, M.R.** Neuropsychological testing in Sports: Past Present and Future. 2nd Annual UPMC National Concussion Conference. Pittsburgh, July, 2002 (program director).
140. **Lovell, M.R.** Concussion Management in the High School Athlete. Grand Rounds, York Hospital, York, Pennsylvania, August, 2002.
141. **Lovell, M.R.** Sports-related Concussion. Grand Rounds, University of Alabama at Birmingham, September, 2002.
142. **Lovell, M.R.** Traumatic Brain Injury in Athletes. A lecture at the Annual Traumatic Brain Injury Conference, Baptist Hospital, Miami, September, 2002.
143. **Lovell, M.R.** Neuropsychology and the professional athlete. A workshop presented at the annual meeting of the National Academy of Neuropsychology, Miami, October, 2002.
144. Iverson, G.L., Gaetz, M., **Lovell, M.R.** and Collins, M.W. Cumulative effects of concussion in amateur athletes. Presented at the annual convention of the National Academy of Neuropsychology, Miami, October, 2002.

145. Iverson, G.L., **Lovell, M.R.**, Collins, M.W. and Norwig, J. Tracking recovery for concussion using ImPACT: Applying reliable change methodology. Presented at the annual meeting of the National Academy of Neuropsychology, Miami, October, 2002.
146. Iverson, G.L., **Lovell, M.R.** and Collins, M.W. Validity of Impact for measuring the effects of sports-related concussion. Presented at the annual meeting of the National Academy of Neuropsychology, Miami, October, 2002.
147. Iverson, G.L., Gaetz, M. **Lovell, M.R.** and Collins, M.W. Relation between subjective foginess and neuropsychological testing following concussion. Presented at the annual meeting of the National Academy of Neuropsychology, Miami, October, 2002.
148. **Lovell, M.R.** Sports-related concussion. Presented at the University of Montreal, Montreal, November, 2002.
149. **Lovell, M.R.** Neuropsychological testing: University of Pittsburgh Methods. Presented at the International Conference on Closed Head Trauma. San Juan, January, 2003.
150. **Lovell, M.R.** Neuropsychological testing. Presented as part of a symposium at the annual Meeting of the International Neuropsychological Society, Honolulu, February, 2003.
151. Maroon JC, **Lovell M.R.**, Collins M.W., Bost J. New developments in the management of sports concussion: The Pittsburgh Steelers protocol. Paper presented at the 2002 Congress of Neurological Surgeons Annual Meeting, San Diego, 2003.
152. Iverson, G.L., **Lovell, M.R.**, & Collins, M.W. (2003, October). Interpreting change on ImPACT following sport concussion. National Academy of Neuropsychology, Dallas, Texas, October, 2003.
153. Iverson, G.L., **Lovell, M.R.**, Podell, K. and Collins, M.W. Reliability and Validity of ImPACT. Presented at the annual meeting of the International Neuropsychological Society, Honolulu, February, 2003.
154. Iverson, G.L., Mosely, J., Collins, M.W. and **Lovell, M.R.** Outcome from concussion in amateur soccer players. Presented at the annual meeting of the International Neuropsychological Society, Honolulu, February, 2003.
155. **Lovell, M.R.** Neuropsychological testing. Presented at the Allegheny General Hospital Trauma Conference, Orlando, February, 2003.
156. **Lovell, M.R.** and Echemendia, R. The NHL neuropsychological testing program. Presented at the Annual Meeting of the NHL Team Physician's Society, Miami, February, 2003.

157. **Lovell, M.R.** The neuropsychology of concussion management. A symposium presented at the Annual Meeting of the International Neuropsychological Society, Honolulu, February, 2003.
158. **Lovell, M.R.** Concussion management of the high school athlete. Pennsylvania Sate Athletic Directors Association, March, 2003.
159. **Lovell, M.R.** Sports concussion management. Northwest Athletic Trainers Association. Seattle, March, 2003.
160. **Lovell, M.R.** New developments in the management of concussion. Annual meeting of he American Osteopathic Society for Sports Medicine, San Diego, 2003.
161. **Lovell, M.R.** Concussion management in the NFL. Sports Medicine: An NFL perspective. San Francisco, April, 2003.
162. **Lovell, M.R.** Sports related concussion, Brain Injury Association of Pennsylvania. Harrisburg, June, 2004.
163. **Lovell, M.R.** New developments in sports concussion. Northern Michigan University, September, 2003.
164. **Lovell, M.R.** Thinking outside the box in neuropsychology. Annual meeting of the National Academy of Neuropsychology, October, 2003.
165. **Lovell, M.R.** New development in concussion management. South African Neuropsychological Association, October, 2003.
166. **Lovell, M.R.** Concussion management in the professional athlete. Arena League Football, Annual Medical Staff Meeting. Charlotte, November, 2003.
167. **Lovell, M.R.** Concussion management in the high school athlete. Florida Athletic Directors Society. Daytona Beach, January, 2004.
168. **Lovell, M.R.** Concussion management. Mississippi State Athletic Trainers Association. Biloxi, January, 2004.
169. **Lovell, M.R.** Traumatic brain injury in sports: AN international neuropsychological perspective. International Neuropsychological Symposium (Symposium Chair), Baltimore, February, 2004.
170. **Lovell, M.R.** Neuropsychological testing and fMRI. The National Football League Annual Team Physicians Conference, Indianapolis, Indiana, February, 2004.

171. **Lovell, M.R.** Long term consequences of sports concussion. University of Pittsburgh Residents Trauma Symposium, Pittsburgh, March, 2004.
172. **Lovell, M.R.** New Developments in the management of concussion. South African Rugby Association. Capetown, South Africa, March, 2004.
173. **Lovell, M.R.** Concussion management in sports. Stellenbosch University, South Africa, March, 2004.
174. **Lovell, M.R.** Sports Concussion in Children. Annual Templeton Trauma Conference. Children's Hospital of Philadelphia, Philadelphia, March, 2004.
175. **Lovell, M.R.** New developments in concussion management. Rehabilitation Institute of Chicago. Chicago, May, 2004.
176. **Lovell, M.R.** Neuropsychological testing and concussion. Brigham and Women's Hospital, Boston, Massachusetts, May, 2004.
177. **Lovell, M.R.** New Developments in neuropsychological testing. American Psychiatric Association Annual Meeting, New York, New York, May, 2004.
178. **Lovell, M.R.** Neuropsychological testing in sports. ThedaCare, Appleton, Wisconsin, May, 2004.
179. **Lovell, M.R.** The role of neuropsychological testing in concussion management. Wisconsin Athletic Trainers Association, Greenbay, Wisconsin, May, 2004.
180. **Lovell, M.R.** The NHL neuropsychological testing program. Professional Hockey Athletic Trainers Society, Baltimore, Maryland, June, 2004.
181. **Lovell, M.R.** Neuropsychological testing in sports. The University of Minnesota, Minneapolis, Minnesota, June, 2004.
182. **Lovell, M.R.** Neuropsychological testing in sports. The Annual Convention of the American Orthopaedic Society for Sports Medicine, Quebec City, Quebec, Canada, June, 2004.
183. **Lovell, M.R.** The role of neuropsychological testing in motorsports. NASCAR drivers meeting, Daytona Race Track, Daytona, Florida, July, 2004.
184. **Lovell, M.R.** Evaluation of concussion: the State of the Art. University of Tennessee Memphis, July, 2004. (Keynote address).

185. **Lovell, M.R.** New developments in sports concussion-The big picture. University of Pittsburgh New Developments in Sports-Related Concussion (Course Director), Pittsburgh, July, 2004.
186. **Lovell, M.R.** Neuropsychological testing in sports. American Orthopaedic Association for Sports Medicine, Quebec City, August, 2004.
187. **Lovell, M.R.** Concussion in boxing. Pennsylvania State Athletic Commission, Harrisburg, October, 2004.
188. **Lovell, M.R.** Common symptoms following sports concussion. Second International Convention on Concussion in Sports Group, Prague, November, 2004.
189. **Lovell, M.R.** Computer based vs. paper and pencil testing. Second International Convention on Concussion in Sports Group, Prague, November, 2004.
190. **Lovell, M.R.** Neuropsychological testing in boxing. Annual Convention of the American Association of Professional Ringside Physicians, Miami, November, 2004.
191. **Lovell, M.R.** Sports-related concussion. The National Academy of Neuropsychology, Seattle, November, 2004.
192. **Lovell, M.R.** Management of the concussed skier. United States Ski Association, November, Vail, 2004.
193. **Lovell, M.R.** Neuropsychological testing in sports. National Academy of Neuropsychology Annual Convention, Seattle, November, 2004.
194. **Lovell, M.R.** Management of concussion: the state of the art. Iowa Hawkeye Symposium, December, 2005.
195. **Lovell, M.R.** The biomechanics of concussion. Iowa Hawkeye Symposium, December, 2005.
196. **Lovell, M.R.** Case studies in Concussion. Iowa Hawkeye Symposium, December, 2005.
197. **Lovell, M.R.** New Developments in the Management of sports concussion. First International Meeting on Mild Traumatic Brain Injury in Sports, Samedan, Switzerland, February, 2005.
198. **Lovell, M.R.** The ImPACT Neuropsychological Test Battery. First International Meeting on Mild Traumatic Brain Injury in Sports, Samedan, Switzerland, February, 2005.
199. **Lovell, M.R.** New Developments in Sports Concussion. Head Games: A Sports Concussion Symposium. Syracuse University, March, 2005.

200. **Lovell, M.R.** Sports Head Injury. American Trauma Society. Hershey, Pennsylvania, March, 2005.
201. **Lovell, M.R.** Concussion on High School Athletes. Georgia State Athletic Directors Society, Jeckyl Island, Georgia, March, 2005.
202. **Lovell, M.R.** New Developments in Sports Concussion. International Society for Arthroscopic and Knee Surgery. Hollywood, Florida, April, 2005.
203. Stump, J. **Lovell, M.R.**, Collins, M.W. and Harner, C. Neuropsychological Performance and Symptom Reporting in Concussion. International Society for Arthroscopic and Knee Surgery. Hollywood, Florida, April, 2005.
204. **Lovell, M.R.** Ancillary testing. Concussion: Current Controversies. State College Pennsylvania, April, 2005.
205. **Lovell, M.R.** The ImpACT Concussion Program. New York State Senate Roundtable Discussion. State Senator Hannon presiding. Hempstead, New York, April, 2005
206. **Lovell, M.R.** Concussion and Snow Sports. Federation International De Ski (FIS). Amsterdam, the Netherlands, May, 2005.
207. **Lovell, M.R.** New Developments in Sports Concussion. Cleveland Clinic Foundation, Sandusky Ohio, June, 2005.
208. **Lovell, M.R.** Sports Neuropsychology. South African Psychological Association. Capetown, South Africa, September, 2005.
209. **Lovell, M.R.** Concussion Management in Sports. The Pennsylvania Brain Injury Association, Philadelphia, Pennsylvania, November, 2004.
210. **Lovell, M.R.** Baseline Testing. The Pennsylvania Brain Injury Association, Philadelphia, Pennsylvania, November, 2005.
211. **Lovell, M.R.** Concussion management in snow sports. US Ski Team Medical Meeting. Vail, Colorado, December, 2005.
212. **Lovell, M.R.** Concussion management in the soccer athlete. Major League Soccer Team Physicians Annual Convention, Torrance, California, January, 2006.
213. **Lovell, M.R.** Concussion management. St. Margarets Grand Rounds, February, 2006.
214. **Lovell, M.R.** Concussion management in the young athlete. The SharkSmart Symposium on Sports, Zulu-Natal, South Africa, March 2006.

215. **Lovell, M.R.** Concussion management in the young athlete. Bishops College, Capetown, South Africa, March, 2006.
216. **Lovell, M.R.** Functional Brain Imaging and sports concussion. NIH Interdisciplinary conference on brain injury. Washington, D.C., March, 2006.
217. **Lovell, M.R.** Neuropsychology and sports concussion: An evolution. NIH Interdisciplinary conference on brain injury. Washington, D.C., March, 2006.
218. **Lovell, M.R.** Neuropsychology and sports concussion: A historical perspective. The Second Annual International Conference on Brain Injury in Sports, St. Moritz, Switzerland, March, 2006 (Conference Co-Chair).
219. **Lovell, M.R.** Neuropsychology and sports concussion: Functional Brain Imaging and sports concussion. The Second Annual International Conference on Brain Injury in Sports, St. Moritz, Switzerland, March, 2006 (Conference Co-Chair).
220. **Lovell, M.R.** Sports-Related Concussion. A lecture presented through the George Institute for International Research. The University of Sydney, Sydney Australia, March, 2006.
221. **Lovell, M.R.** The ImPACT Concussion Program. A series of three workshops given under The auspices of the Brain Injury Association of New Jersey, May 21-22, 2006.
222. **Lovell, M.R.** The ImPACT Concussion Management Program. National Athletic Trainers Association National Convention, Atlanta, June 15, 2006.
223. **Lovell, M.R.** The ImPACT Program. Cooper Hospital: Voorhees, New Jersey, September, 2006.
223. **Lovell, M.R.** Concussion following blast injury: Lessons learned from sports Medicine. International Blast Injury Conference, Pretoria, South Africa, September, 2006.
224. **Lovell, M.R.** Concussion in the pediatric athlete: An ever changing playing field. Plenary Lecture: American Academy of Pediatrics, Atlanta, October, 2006.
225. **Lovell, M.R.** Concussion in the soccer athletes. Research presentation, the Major League Soccer Physicians Annual Conference, Ft. Lauderdale, Florida, January, 2007.
226. **Lovell, M.R.** The NHL Neuropsychology Program, an Update. The National Hockey League Team Physicians Society, January 24, 2007.
227. Pardini, J.E., **Lovell, M.R.**, Becker, J., Pardini, D. Functional brain imaging and sports-related concussion. A symposium presented at the Annual Meeting of the International Neuropsychological Society. Portland, February 10, 2007.

The Journal of Neuropsychiatry and
Clinical Neuroscience

1989-1991	Member, Institutional Review Board Allegheny General Hospital
1992-1996	Member, Psychiatry Residency Committee
1992-1996	Member, Neurosciences Steering Committee Medical College of Pennsylvania
1993-present	Guest Reviewer: Clinical Psychology Review
1993-1996	Member, Psychiatry Educational Steering Committee, Medical College of Pennsylvania and Hahnemann University
1994-present	Member, Research Steering Committee American Neuropsychiatric Association
1995-present	Student Promotions Committee Medical College of Pennsylvania and Hahnemann University- Pittsburgh Campus
1996-present	Member-Education Council- Department of Behavioral Services Henry Ford Health System
1996	Guest Reviewer: Cancer
1998-present	Reviewer: The Clinical Neuropsychologist
2001-present	Reviewer: The Journal of Athletic Training
1999-2001	Reviewer: Archives of Clinical Neuropsychology
2002-present	Reviewer: British Journal of Sports Medicine
2001-2006	Institutional Review Board The University of Pittsburgh
2002-present	Reviewer: Neuropsychology
2003-present	Reviewer: Journal of the International Neuropsychological Society

2004-present

Reviewer: Current Sports Medicine Reports

2004-present

Reviewer, Neurosurgery

TAB 9

**CURRICULUM VITAE
JOSEPH C. MAROON, M. D.**

CITIZENSHIP: United States

BUSINESS ADDRESS: Department of Neurological Surgery
UPMC-Presbyterian Hospital
5C, 200 Lothrop Street
Pittsburgh, PA 15213

TELEPHONE: (412) 647-3604

FACSIMILE: (412) 647-3605

E-MAIL: maroonjc@upmc.edu

EDUCATION AND TRAINING

UNDERGRADUATE

1958-1961	Indiana University Bloomington, Indiana	A.B. Anatomy & 1961 Physiology
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GRADUATE

1961-1965	Indiana University School of Medicine Indianapolis, Indiana	M.D. 1965
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POST GRADUATE

1965-1966	Indiana University Medical Center Indianapolis, Indiana	Internship
1966-1967	Georgetown University Hospital Washington, D.C.	Residency General Surgery
1967-1968	Indiana University Medical Center Indianapolis, Indiana	Residency Neurological Surgery
1968-1969	Oxford University Hospitals	Residency

	The Radcliffe Infirmary Oxford, England	Neurological Surgery
1969-1971	Indiana University Medical Center Indianapolis, Indiana	Residency Neurological Surgery
1971-1972	University of Vermont Burlington, Vermont	Given Scholar in Microneurosurgery

APPOINTMENTS AND POSITIONS

PRESENT

10/99 - Present	Department of Neurosurgery UPMC Health Systems Presbyterian University Hospital Pittsburgh, PA	Vice Chairman
1995-1998	Department of Surgery Allegheny University of the Health Sciences Allegheny General Hospital Pittsburgh, Pennsylvania	Chairman
1984-1999	Department of Neurological Surgery Allegheny University of the Health Sciences Allegheny General Hospital Pittsburgh, Pennsylvania	Chairman
1972-1984	Department of Neurological Surgery University of Pittsburgh Medical Center Presbyterian-University Hospital Pittsburgh, Pennsylvania	Chief

ACADEMIC APPOINTMENTS

10/99-Present	Department of Neurological Surgery University of Pittsburgh Medical Center Presbyterian-University Hospital Pittsburgh, Pennsylvania	Clinical Professor
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1988-1999	Department of Surgery (Neurosurgery) Allegheny University of the Health Sciences Pittsburgh, Pennsylvania	Professor
1987-Present	Department of Neurological Surgery West Virginia University School of Medicine Wheeling, West Virginia	Professor
1984-1993	Department of Neurological Surgery University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania	Clinical Professor
1981-1984	Department of Neurological Surgery University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania	Professor
1974-1981	Department of Neurological Surgery University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania	Assistant Professor
1972-1974	Department of Neurological Surgery University of Pittsburgh School of Medicine Pittsburgh, Pennsylvania	Assistant Professor

HOSPITAL APPOINTMENTS

2/2004 – Present	Mercy Hospital of Pittsburgh Department of Surgery Division of Neurosurgery	Courtesy
2001-Present	Sewickley Valley Hospital Department of Surgery Division of Neurosurgery	Active
10/99-Present	Neurosurgery Department University of Pittsburgh Medical Center	Attending

	Presbyterian-University Hospital Pittsburgh, Pennsylvania	
1984-1999	Neurosurgery Department Allegheny University of the Health Sciences Allegheny General Hospital Pittsburgh, Pennsylvania	Sr. Attending
1992-Present	Neurosurgery Division North Hills Passavant Hospital Pittsburgh, Pennsylvania	Consulting
1986-Present	The Rehabilitation Institute 6301 Northumberland Pittsburgh, Pennsylvania	Consulting
1977-2004	Neurosurgery Department Mercy Providence Hospital Pittsburgh, Pennsylvania (Closure of facility)	Consulting
1972-1984	Neurosurgery Department Presbyterian-University Hospital Pittsburgh, Pennsylvania	Attending

ATHLETIC CONSULTANT

1977-Present	The Pittsburgh Steelers Football Organization Pittsburgh, Pennsylvania	Team Neurosurgeon
1972-1983	The Pitt Panthers Football Team University of Pittsburgh Pittsburgh, Pennsylvania	Consulting

MILITARY SERVICE

4/1966/4/1972	400th Medical Intelligence Detachment United States Army Reserve	Captain
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SPECIALTY BOARDS

5/1973	American Board of Neurological Surgeons	Certified
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LICENSURE

1969	Indiana	01020832
1969	California	C 32868
1972	Pennsylvania	MD 013245-E
1976	West Virginia	10957
1980	Ohio	35-04-4549

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Allegheny County Medical Society
 American Academy for the Advancement of Science
 American Association for the History of Medicine
 American Association of Neurological Surgeons
 Section of Cerebrovascular Surgery (1977-1979)
 American College of Sports Medicine
 American College of Surgeons
 American Institute of Ultrasound in Medicine
 American Medical Association
 Association for Academic Surgery
 CFR Historical Society
 Congress of Neurological Surgeons
 General Program Chairman (1978-1979)
 Executive Committee (1977-1979)
 Chairman, Scientific Program Committee (1977-1978)
 Chairman, Public Relations Committee (1975-1977)
 Chairman, Workshop Committee (1974-1975)
 International Neurosurgical Forum
 International Society of Pediatric Surgery
 Mid-Atlantic Neurosurgical Society
 Council Member (1976-1978)
 National Association for Disabled Athletes
 Advisory Board (1984-Present)
 National Football League Physicians Society (1983-Present)
 New York Academy of Science
 Neurosurgical Society of America
 Program Committee (1978-1979)
 Pennsylvania Medical Society
 Pennsylvania Neurosurgical Society
 Pittsburgh Academy of Medicine

Pittsburgh Neurosurgical Society
 President (1976-1977)
 Research Society of Neurological Surgeons
 Society of Neuroscience

EDITORIAL BOARD MEMBERSHIPS

Neurosurgery, Robert Wilkins, Editor (1977-1984)
Clinical Neurosurgery, Peter Carmel, editor (1975-1977)
The Journal of Microsurgery, R.M.P. Donaghy, Editor (1978-1988)
Journal of the American Association of Surgeons Assistants, (1977-1994)
The Physician and Sportsmedicine, (1978-1999)
Neurological Research, (1991-Present)
Turkish Journal of Neurosurgery, (1992-Present)
Surgical Neurology, (1994-Present)
Stroke, (1995-Present) - Reviewer
Journal of Cranial Base Surgery, (1995-Present) - Reviewer
Annals of Otology, Rhinology and Laryngology, (1995-Present) - Reviewer
Today's Health, (1995-Present)
Chinese Journal of Neural Regeneration Research, (4/2007 – Present - Reviewer

HONORS AND AWARDS

UNDERGRADUATE

Scholastic All-American, Varsity Football
 Board of Aeons (Twelve man advisory board to the President on
 Student Affairs)
 Alpha Epsilon Delta honorary pre-medical fraternity

GRADUATE

President of Medical School Class
 American Heart Association Student Research Fellowship
 in Cardiology
 Student Research Fellow in Renal and Metabolic Diseases

POST GRADUATE

McCaskey Award - Presented annually by the Indiana Chapter of the
 American College of Surgeons for the best paper presented by a
 Resident in the surgical specialities: Ophthalmosonometry: An
 Ultrasonic Technique for Assessing Carotid Blood Flow.

Alex Ross Award - Presented annually by the Indiana Neurological Society for the best paper dealing with clinical neurological Sciences: the use of Ultrasound in Assessing Carotid Patency.

Ensminger Award - Presented annually by the Indiana Chapter of the American College of Surgeons for the best paper on trauma: Management of Football Head and Neck Injuries.

A Teacher of the Year Award - presented by Class of 1971, Indiana University School of Medicine.

PROFESSIONAL CAREER

Dapper Dan Man of the Year - presented by the Upper Ohio Valley Dapper Dan for excellence in sports medicine. Wheeling Civic Center, Wheeling, West Virginia, February 21, 1988.

The Wakeman Award - presented at the Searle Center for Continuing Education in Health Science, Duke University Medical Center for research in the neurosciences, National Acute Spinal Cord Injury Study II. Durham, North Carolina, October 26, 1990.

Contributors Recognition Award - for accomplishments and contributions To Allegheny Health Services, May 2, 1991.

Distinguished Alumnist Award - St. Johns Central High School, Bellaire, Ohio, June 1, 1991.

Clevenger Award - distinguished alumnus, Indiana University, Bloomington, Indiana, 1993.

The Best Doctors in America - selected annually by Woodward/White, Inc. 1994 - 1999

Dennis and Rose Heindl Endowed Chair for Neuroscience Research, 1996

Healthcare Hero Finalist, The Pittsburgh Business Times, January, 1999

Arab American Medical Association Award for Excellence in Medicine, Pittsburgh Chapter, May 1, 1999.

Honorary President, World Association of Lebanese Neurosurgeons, May, 1999.

Lou Holtz/Upper Ohio Valley Hall of Fame inductee, for excellence in athletics and medicine, June 1999

American Association of Neurological Surgeons peer reviewed poster/lecture.
First Place Award for "Results of Omega-3 EFA for Spine Pain".
April, 2005.

RESEARCH GRANTS

Co-Investigator:

- 1989 Cryogenic Lesions of Canine Brain
Allegheny-Singer Research institute
\$4,865.00
- 1990 Effect of Sapphire Probe Nd:YAG Laser on Rabbit Cerebral Cortex
Allegheny-Singer Research Institute
\$4,988.34
- 1990 Cryogenic Lesions of the Brain
Cryomedical Sciences, Inc.
\$14,000.00
- 1990 Head injury Study
Upjohn
\$200,000
- 1990 Percutaneous Laser Discectomy - Contract through Candela Laser on
NIH SBIR Grant (1 R44 AR402878-02)
\$15,495.40
- 1991 Chronic ICP Measurements and MRI Images Following Cranial Cryosurgical
Lesions
Cryomedical Sciences, Inc.
\$35,881.00
- 1991 Percutaneous Laser Discectomy - Contract through Candella Laser on
NIH SBIR Grant (1 R44 AR402878-02)
\$137,787.00
- 1991 National Acute Spinal Cord Injury Study, III
NIH
\$1,500,000.00

- 1992 Head Injury Study
Sterling-Winthrop
\$150,000.00
- 1994 MRI Spectroscopy with Spinal Cord Injury
Allegheny-Singer Research Institute
\$200,000.00
- 1995 Neurosurgery Research
The Pittsburgh Foundation
\$2,000.00

RESEARCH STUDIES

- 2005 Evaluation of Omega-3 EFA for Spine-Related Pain
250 patients, daily dose of Omega-3 EFAs – 2.4 gm/day
60% able to stop NSAIDS and/or pain meds, no side effects
Study ongoing

MEMBER, BOARD OF DIRECTORS

Allegheny General Hospital and Allegheny Health Services, Inc.
Pittsburgh, Pennsylvania
Think First Foundation, National Head and Neck Injury Prevention
Society, 1986 - 1994
American Youth Foundation, St. Louis, Missouri, 1999 – Present
Mylan Laboratories, Morgantown, West Virginia, 2003-Present

OFFICES HELD IN NATIONAL SOCIETIES

Congress of Neurological Surgeons
Secretary (1980-1983)
Vice President (1983-1984)
President Elect (1984-1985)
President (1985-1986)

ATHLETIC ACCOMPLISHMENTS

Ironman Triathlon (2.4 mile swim, 112 mile bike, 26.3 mile run):
Kailua-Kona, Hawaii, October 1993, October 2003
Penticton, Canada, 1996
New Zealand, March 1998

Escape from Alcatraz, 1998
 50 Olympic distance triathlons, 1980-Present
 Ironman Germany, July 8, 2000

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ABSTRACTS-

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23. Bailes, J.E. and Maroon, J.C.: Preliminary experience with NeuroLink: A neurosurgical wide area network. Congress of Neurological surgeons, 44th Annual Meeting, Chicago, IL, October 1994.
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Meeting, Orlando, FL, April 1995.

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26. Leavitt, M.L., Acevedo, H.F., Acevedo, E.A, Krichevsky, A., Gorewit, R., and Maroon, J.C.: Brain glioma treatment by monoclonal antibodies to human chorionic gonadotropin. Society for Neurosciences 25th Annual Meeting, San Diego, California, November, 1995.
27. Collins MW, Field M, Maroon JC, Lovell MR, Bost J: The use of ImPACT to manage sports related concussion: Validity data and implications for return to play. Proceedings of the Congress of Neurological Surgeons Annual Meeting, 2003.
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29. Gim S, Skledar SJ, Fedutes-Henderson B, Ansani N, Bost J, Maroon JC: Evaluating a Novel Use of Etanercept for Chronic Discogenic Pain. American Society of Hospital Pharmacists Midyear Clinical Meeting, December 4-9, 2004, Orlando, FL.
30. Abla AA, Bost J, El-Kadi H, Maroon JC, McHugh S, Abla A: Evaluation of Lumbar Fusion Extension Surgery. American Association of Neurological Surgeons Annual Meeting, May 1-5, 2004, Orlando, FL.
31. Abla AA, Bost J, El-Kadi H, Maroon JC, McHugh S, Abla A: Evaluation of Post-Lumbar Laminectomy Spondylolisthesis. American Association of Neurological Surgeons Annual Meeting, May 1-5, 2004, Orlando, FL.
32. Abla AA, Bost J, El-Kadi H, Maroon JC, McHugh S, Abla A: Outcome of Lumbar Spinal Fusion on the Elderly (75 year and older). American Association of Neurological Surgeons Annual Meeting, May 1-5, 2004, Orlando, FL.
33. El-Kadi H, Abla AA, Bost J, Maroon JC, Kaushik D, Murty V, Mullen B: Outcome of Long Segment Cervical Fusion with a Rigid Fixed-angle Screw Plating System. American Association of Neurological Surgeons Annual Meeting, May 1-5, 2004, Orlando, FL.
34. EL-Kadi H; Abla A; Bost J; Maroon JC; Kaushik D; Murty V, Mullen B: Pedicle screw fixation for mechanical low back pain. American Association of Neurological Surgeons Annual Meeting, May 1-5, 2004, Orlando, FL.

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36.

NATIONAL AND INTERNATIONAL PRESENTATIONS

1. Maroon, J.C.: Surgery at the Base of the Skull. Basal Skull Surgery Symposium, San Francisco, California, April 5-7, 1984
2. Maroon, J.C.: Surgical Treatment of Orbital Tumors: Indications and Techniques. American Association of Neurological Surgeons, April 8-13, 1984,
3. Maroon, J.C.: Diagnosis and Management of Disc Disease. Monsour Medical Center, Pittsburgh, Pennsylvania, June 12, 1984.
4. Maroon, J.C.: Neurological Treatment for Fitness and Sports Injury. Congress of Neurological Surgeons Annual Meeting, New York, September 30 - October 5, 1984.
5. Maroon, J.C.: Diagnosis and Treatment of Stroke. St. John=s Medical Center, Steubenville, Ohio, October 15, 1984.
6. Maroon, J.C.: Fractures: Common Sense Solutions for Common Problems. Cervical Spine Injuries Seminar, Station Square, Pittsburgh, Pennsylvania, November 14, 1984.
7. Maroon, J.C.: Head and Neck Injuries in the Athlete. Fifth Annual Sports Medicine Seminar, Conemaugh Valley Memorial Hospital, Johnstown, Pennsylvania, March 6, 1995.
8. Maroon, J.C.: Orbital and Parasellar Tumors. Laser Association of Neurological Surgery International, Houston, Texas, March 28-31, 1985.
9. Maroon, J.C.: Orbital Approaches, Microsurgery Workshop, St. Louis, Missouri, April 18-1, 1985.
10. Maroon, J.C.: Head and Neck Injuries, Highland Sports Medicine Clinic, Highland High School, April 20, 1985.

11. Maroon, J.C.: Neurological Aspects of Sports Medicine. American Association of Neurological Surgeons Annual Meeting, Atlanta, Georgia, April 21-15, 1985.
12. Maroon, J.C.: Neurological Consequences of Sports Injuries. Regional Adolescent Trauma Meeting, Station Square, Pittsburgh, Pennsylvania, May 15, 1985.
13. Maroon, J.C.: The Diagnosis and Treatment of Tumors of the Base of the Skull, Microsurgery in the Treatment of Ruptured Lumbar Discs and Syringomyelia. 35th Annual Meeting of the Congress of Neurological Surgeons, Honolulu, Hawaii, September 29 - October 4, 1985.
14. Maroon, J.C.: Indications for Surgery in Subarachnoid Hemorrhage. Beaver County Medical Society, November 16, 1985.
15. Maroon, J.C.: The Microsurgical and Percutaneous Treatment of Lumbar Disc Disease. Interurban Neurosurgical Society, Chicago, Illinois, March 7, 1986.
16. Maroon, J.C.: The Microsurgical and Percutaneous Treatment of Lumbar Disc Disease. Post-Graduate Course on Skeletal Radiology, Phoenix, Arizona, March 15-20, 1986.
17. Maroon, J.C.: The Neurosurgical Management of Cervical Disc Disease. Post-Graduate Course on Skeletal Radiology, Phoenix, Arizona, March 15-20, 1986.
18. Maroon, J.C.: Percutaneous Lumbar Discectomy. Annual Meeting of the American Association of Neurological Surgeons, Denver, Colorado, April 13-17, 1986.
19. Maroon, J.C.: Intraoperative Cranial Neurosonography Correlative Imaging with CT and MRI, American Roentgen Ray Society, Scientific Program, XVIII, Washington, D.C., April 18, 1986.
20. Maroon, J.C.: Microsurgical and Percutaneous Removal of Lumbar Disc. Columbia University, May 21-22, 1986.
21. Maroon, J.C.: New Approaches to Disc Disease - Percutaneous Lumbar Discectomy. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, September 16, 1986.
22. Maroon, J.C.: Presidential Address. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, September 16, 1986.
23. Maroon, J.C.: The Neurosurgeon's Role in Management of Orbital Tumors. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, September 18, 1986.

24. Maroon, J.C.: Surgical Treatment of Brain Tumors. Japanese Neurosurgical Society, Tokyo, Japan, October 1-4, 1986.
25. Maroon, J.C.: Percutaneous Automated Lumbar Discectomy. Japanese Neurosurgical Society, Tokyo, Japan, October 1-4, 1986.
26. Maroon, J.C.: Advanced Orbital Surgery: Techniques and practical Experience, Techniques of Transcranial Orbital Surgery. Allegheny General Hospital, Pittsburgh, Pennsylvania, October 24-25, 1986.
27. Maroon, J.C.: Athletic Sports Injuries. St. John=s Hospital, Steubenville, Ohio, November 17, 1986.
28. Maroon, J.C.: Neurosurgical Management of Craniocerebral and Spinal Cord Trauma, Second San Antonio International Symposium on Neuroanesthesia, San Antonio, Texas, February 6, 1987.
29. Maroon, J.C.: Advanced Technology - New Neurosurgical Techniques and Instrumentation. Second San Antonio International Symposium on Neuroanesthesia, San Antonio, Texas, February 6, 1987.
30. Maroon, J.C.: Advanced Neurosurgical Laser Course, Allegheny General Hospital, Pittsburgh, Pennsylvania, April 3-4, 1987.
31. Maroon, J.C.: Advanced Orbital Surgery Course, Techniques of Transcranial Orbital Surgery. Allegheny General Hospital, Pittsburgh, PA April 10-11, 1987.
32. Maroon, J.C.: New Techniques in the Treatment of Lumbar Disc Disease. Annual Meeting of the American Association of Neurological Surgeons, Dallas, Texas, May 4-6, 1987.
33. Maroon, J.C.: Automated Percutaneous Discectomy. Annual Meeting of the American Association of Neurological Surgeons, Dallas, Texas, May 4-6, 1987.
34. Maroon, J.C.: Effective Chronic Continuous Intraventricular Propranolol on Aggressive Behavior. Neurosurgical Society of America, Gleneden Beach, Oregon, May 13, 1987.
35. Maroon, J.C.: Percutaneous Discectomy Workshop, Allegheny General Hospital, Pittsburgh, Pennsylvania, May 16-17, 1987.
36. Maroon, J.C.: Automated Percutaneous Discectomy: Preliminary Experience. Eighth European Congress of Neurosurgery, Barcelona, Spain, September 6-11, 1987.

37. Maroon, J.C.: Surgical Approaches to the Orbit. 37th Annual Meeting of the Congress of Neurological Surgeons, Baltimore, Maryland, October 25, 1987.
38. Maroon, J.C.: Treatment Alternatives in Lumbar Disc Disease. 37th Annual Meeting of the Congress of Neurological Surgeons. Baltimore, Maryland, October 18, 1987.
39. Maroon, J.C.: Acute Head and Neck Injuries in Athletes. Post-Graduate Day in Family Practice, Wheeling Hospital, Wheeling, West Virginia, November 5, 1987.
40. Maroon, J.C.: Spinal Trauma: New Approaches to Therapy. The 6th Annual Trauma Symposium, The McLure House, Wheeling, West Virginia, November 12, 1987.
41. Maroon, J.C.: Athletic Head and Neck Injuries. The Emstar 6th Annual Trauma Symposium, Ohio Valley Medical Center, Wheeling, West Virginia November 14, 1987.
42. Maroon, J.C.: Percutaneous Aspiration of Herniated Lumbar Discs. Society of British Neurosurgeons, Oxford, England, April 13-15, 1988.
43. Maroon, J.C.: Positioning for Spinal Surgery. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 24-28, 1988.
44. Maroon, J.C.: Spinal Injuries in Athletes. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 24-28, 1988.
45. Maroon, J.C.: Techniques of Transcranial Orbital Surgery. Advanced Orbital Surgery Course, Allegheny General Hospital, Pittsburgh, Pennsylvania, May 13-14, 1988.
46. Maroon, J.C.: Management of Orbital Lesions. Neurosurgical Nurse=s Conference, San Francisco, California, June 2-3, 1988.
47. Maroon, J.C.: Percutaneous Automated Discectomy. Neurosurgical Nurse=s Conference, San Francisco, California, June 2-3, 1988.
48. Maroon, J.C.: Nucleotome Workshop for Percutaneous Discectomy. Korean Society of Neurological Surgeons, Seoul, Korea, June 17-24, 1988.
49. Maroon, J.C.: Surgical Treatment of Orbital Tumors. Korean Society of Neurological Surgeons, Seoul, Korea, June 17-24, 1988.
50. Maroon, J.C.: Anterior and Anterolateral Approaches to the Cranial Base, Panel Discussion. International Symposium on Cranial Base Surgery, Pittsburgh, Pennsylvania, September 13-17, 1988.

51. Maroon, J.C.: Orbital Tumors. International Symposium on Cranial Base Surgery, Pittsburgh, Pennsylvania, September 13-17, 1988.
52. Maroon, J.C.: Spinal Cord Injury and Regeneration. Congress of Neurological Surgeons Annual Meeting, Seattle, Washington, September 24-29, 1988.
53. Maroon, J.C.: Percutaneous Automated Discectomy. Congress of Neurological Surgeons Annual Meeting, Seattle, Washington, September 24-19, 1988.
54. Maroon, J.C.: Biomechanics of the Lumbar Spine. Congress of Neurological Surgeons Annual Meeting, Seattle, Washington, September 24-29, 1988.
55. Maroon, J.C.: New Approaches to Lumbar Disc Disease. Congress of Neurological Surgeons Annual Meeting, Seattle, Washington, September 24-29, 1988
56. Maroon, J.C.: Spinal Cord Injury and Regeneration - An Overview of the Problem. Pittsburgh, Pennsylvania, November 9-11, 1988.
57. Maroon, J.C.: Lasers in Orbital Surgery. Latin American Congress of Neurological Surgeons, Acapulco, Mexico, November 13-19, 1988.
58. Maroon, J.C.: Percutaneous Discectomy. Latin American Congress of Neurological Surgeons, Acapulco, Mexico, November 13-19, 1988.
59. Maroon, J.C.: Results of Percutaneous Discectomy National Cooperative Study. American Association of Neurological Surgeons Annual Meeting, Washington, D.C., April 3-8, 1989.
60. Maroon, J.C.: The Microsurgical and Percutaneous Treatment of Herniated Lumbar Discs. American Neurological Society Meeting, Chicago, Illinois, April 15, 1989.
61. Maroon, J.C.: Development of a Robotically Controlled Operating Microscope. Neurosurgical Society of American Meeting, Bermuda, May 11, 1989.
62. Maroon, J.C.: Percutaneous Discectomy: Which Therapy, Which Patient. International Symposium on the State-of-the-Art of Percutaneous Lumbar Discectomy, Marbella, Spain, May 25, 1989.
63. Maroon, J.C.: Automated Percutaneous Lumbar Discectomy: The American Experience. International Symposium on the Sate-of-the-Art of Percutaneous Lumbar Discectomy, Marbella, Spain, May 25, 1989.

64. Leavitt, M.L., Bailes, J.E., Magovern, G., Kao, R., Elrifai, A.M., Teeple, E., Maroon, J.C., Shih, T.S. and Marquardt, M.: Ultra-Profound Hypothermic Cardiac Arrest in Totally Blood-Substituted Dogs. Conference for Cardiovascular Science and Technology, Louisville, Kentucky, December 2, 1989.
65. Bailes, J.E., Leavitt, M.L., Maroon, J.C., Teeple, E., Shih, T.S., Elrifai, A. and Marquardt, M. Ultra-Profound Hypothermia and Blood Substitution. Lende Neurosurgical Conference, Snowbird, Utah, February 5, 1990.
66. Teeple, E., Bailes, J.E., Leavitt, M.L., Maroon, J.C., Shih, T.S., Marquardt, M. and Elrifai, A. Ultra-Profound Hypothermia, Complete Blood Substitution, Cardiac Arrest and Low-Flow Perfusion in a Dog Model. Society of Neurosurgical Anesthesia and Critical Care, Waikiki, Hawaii, March 14, 1990.
67. Maroon, J.C.: Diagnosis and Microsurgical Approach to Far Lateral Disc Herniation in the Lumbar Spine. American Association of Neurological Surgeons Annual Meeting, Nashville, Tennessee, April 28, 1990.
68. Maroon, J.C.: The Management of Recurrent Spheno-Orbital Meningiomas. American Association of Neurological Surgeons Annual Meeting, Nashville, Tennessee, April 28, 1990.
69. Maroon, J.C.: Management of Lumbar Disc: Percutaneous Automated Discectomy. American Association of Neurological Surgeons Annual Meeting, Nashville, Tennessee, April 28, 1990.
70. Bailes, J.E., Leavitt, M.L., Maroon, J.C., Teeple, E., Elrifai, A., Shih, T.S. and Marquardt, M., Potential for Ultra-Profound Hypothermia and Blood Substitution: A Model System. Symposium on Hypothermic Medicine, CRYO >90, Binghamton, New York, June 17, 1990.
71. Bailes, J.E., Leavitt, M.L., Elrifai, A.M., Shih, T.S., Teeple, E., Marquardt, M and Maroon, J.C.: The Use of Ultra-Profound Hypothermia in Totally Exsanguinated and Blood-Substituted Canine Model: I. The Method. CRYO >90, Binghamton, New York, June 18, 1990.
72. Elrifai, A.M., Bailes, J.E., Leavitt, M.L., Shih, T.S., Teeple, E., Marquardt, M. and Maroon, J.C.: The Use of Ultra-Profound Hypothermia in Totally Exsanguinated and Blood-Substituted Canine Model: II. The Outcome. CRYO >90, Binghamton, New York, June 18, 1990.
73. Elrifai, A.M., Loesch, D.V., Leavitt, M.L., Bailes, J.E., Shih, T.S., Maroon, J.C., Ciongoli, K.A. and Devenyi C.: Rewarming Rate and Survival Post Induced Ultra-

- Profound Hypothermia. Amer. Fed. Clin. Research Meeting, New York, New York, October 1990.
74. Leavitt, M.L., Bailes, J.E., Shih, T., Elrifai, A.M., Teeple, E. And Maroon, J.C.: Outcome Following Cooling to Near the Freezing Point in Totally Blood-Substituted Dogs, Society for Neuroscience Meeting, St. Louis, Missouri, October 1990.
 75. Bailes, J.E., Leavitt, M.L., Maroon, J.C., Teeple, E., Elrifai, A., Shih, T.S. and Marquardt, M.: Ultra-Profound Hypothermia and Asanguineous Blood-Sustained Cardiac Arrest in a Canine Model. Congress of Neurological Surgeons Annual Meeting, Los Angeles, California, October 20, 1990.
 76. Maroon, J.C.: Current Techniques in Lumbar Disc Disease. Congress of Neurological Surgeons Annual Meeting, Los Angeles, California, October 20, 1990.
 77. Maroon, J.C.: Microsurgery and the Professional Athlete. NFL PA Retired Players Convention, Oglebay, West Virginia, May 24, 1991.
 78. Wilberger, J.E., Haag, B. and Maroon, J.C.: Cumulative Effects of Football Related Minor Head Injury. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
 79. Quigley, M.R. and Maroon, J.C.: The Relation of Survival to the Extent of Resection in Supratentorial Malignant Glioma Patients. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
 80. Leavitt, M.L., Loesch, D.V. and Maroon, J.C.: Poster #1137 - Cerebrospinal Blood Pressure: Effects of Intracerebroventricular Infusions of Artificial CSF and Atrial Natriuretic Peptide in the Conscious Rat. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
 81. Quigley, M.R. and Maroon, J.C.: Poster #1237 - The Role of Discography Prior to Automated Percutaneous Discectomy. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
 82. Gianaris, P., Bailes, J.E. and Maroon, J.C.: Poster #1248 - Successful Embryonic Transplantation is Distinct from Normal Developmental Neurobiology: An Electrophoretic Assay of Visible Graft Tissue. Congress of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
 83. Quigley, M.R., Loesch, D.V., Shih, T.S., Marquardt, M. And Maroon, J.C.: Poster #1309 - Intracranial Cryosurgery in a Canine Model. American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.

84. Maroon, J.C.: Refinements of Techniques for Lumbar Disc Surgery. American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
85. Maroon, J.C.: Spectrum of Athletic Injury. American Association of Neurological Surgeons Annual Meeting, New Orleans, Louisiana, April 20-25, 1991.
86. Maroon, J.C.: Sports Injuries in Neurosurgery. Congress of Neurological Surgeons Annual Meeting, Orlando, Florida, October 1991.
87. Maroon, J.C.: The Diagnosis and Treatment of Surgical Lesions of the Visual System - Optic Nerve to Occipital Cortex. Special Course. Congress of Neurological Surgeons Annual Meeting, Orlando, Florida, October 1991.
88. Maroon, J.C.: Surgical Management of Recurrent Sphenoid Wing Meningiomas. IV Congresso Da Academia Brasileira de Neurocirurgia, Sao Paulo, Brazil, November 1991.
89. Maroon, J.C.: Surgical Approaches to the Orbit. IV Congresso Da Academia Brasileira de Neurocirurgia, Sao Paulo, Brazil, November 1991.
90. Maroon, J.C.: Percutaneous Discectomy--What=s New and What=s Coming. Greater Pittsburgh Rehabilitation Hospital, Monroeville, Pennsylvania, November 1991.
91. Maroon, J.C.: The Lumbar Disc. American Association of Neurological Surgeons Annual Meeting, San Francisco, California, April 1992.
92. Maroon, J.C.: Recent Trends in Spinal Surgery. The American College of Surgeons Annual Meeting, New Orleans, Louisiana, October 1992.
93. Maroon, J.C., Onik, G., Quigley, M.R., et. al: Cryosurgery Re-Visited for the Removal and Destruction of Brain, Spinal and Orbital Tumors. Congress of Neurological Surgeons Annual Meeting, Washington, DC, October 1992.
94. Ominous Prognostic Indicators Following Head Injury. Congress of Neurological Surgeons Annual Meeting, Washington, DC, October 1992.
95. Maroon, J.C.: Comprehensive Management of Lumbar Disc Disease. Congress of Neurological Surgeons Annual Meeting, Washington, DC, October 1992.
96. Maroon, J.C.: Cryosurgery in the Treatment of Brain, Spinal and Orbital Tumors. Neurosurgical Society of America Annual Meeting, Boca Raton, Florida, March 1993.

97. Maroon, J.C.: Tumors of the Orbit and Periorbital Region. American Association of Neurological Surgeons Annual Meeting, Boston, Massachusetts, April 1993.
98. Maroon, J.C.: Cryosurgery in the Treatment of Brain, Spinal and Orbital Tumors. Poster Presentation. American Association of Neurological Surgeons Annual Meeting, Boston, Massachusetts, April 1993.
99. Maroon, J.C.: Surgical Management of Orbital Tumors - Experience with 900 Cases. The 6th Japanese Society for Skull Base Surgery, Nagoya, Japan, June 30-July 1, 1994.
100. Maroon, J.C.: Treatment of Lumbar Disc Disease, State-of-the-Art. American Association of Neurological Surgeons, Annual Meeting, San Diego, California, April 1994.
101. Maroon, J.C.: Percutaneous Spine Techniques: Discography, APLD, and Laser. Congress of Neurological Surgeons 44th Annual Meeting, Chicago, Illinois, October 1994.
102. Maroon, J.C.: How to Evaluate a Practice Opportunity. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, October 1994.
103. Maroon, J.C.: Percutaneous Lumbar Techniques. Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, October 1994.
104. Maroon, J.C.: The Management of Spine and Disc Disorders. St. John Medical Center Fall Seminar, Steubenville, Ohio, November 1994.
105. Maroon, J.C.: Surgical Management of Spheno-Orbital Meningiomas. Pan Pacific Skull Base Surgery Workshop, Island of Lanai, Hawaii, March 1995.
106. Maroon, J.C.: Dissection of Cranio-Orbital Approaches (Part I and II). Congress of Neurological Surgeons Annual Meeting, Chicago, Illinois, October 1994.
107. Maroon, J.C.: Change in Health Care and Impact on Neurosurgery. American Association of Neurological Surgeons Annual Meeting, Orlando, Florida, April 1995.
108. Maroon, J.C.: Treatment of Lumbar Disc Disease: State of the Art. American Association of Neurological Surgeons Annual Meeting, Orlando, Florida, April 1995.
109. Maroon, J.C.: Concepts of Minimally Invasive Surgery. Joint International Congress of Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, Pennsylvania, June 1995.

110. Maroon, J.C.: Indications and Operative Techniques for Percutaneous Discectomy and Microsurgical Discectomy. Joint International Congress of Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, Pennsylvania, June 1995.
111. Maroon, J.C.: Cerebral Monitoring Techniques and Lasers in Surgery. Joint International Congress of Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, Pennsylvania, June 1995.
112. Maroon, J.C.: Surgical Management of Cranio-Orbital Tumors. Joint International Congress of Minimally Invasive Techniques in Neurosurgery and Otolaryngology, Pittsburgh, Pennsylvania, June 1995.
113. Maroon, J.C.: How to Evaluate a Practice Opportunity. Congress of Neurological Surgeons Annual Meeting, San Francisco, California, October 1995.
114. Maroon, J.C.: Is there a Future for Percutaneous Intradiscal Therapy? Congress of Neurological Surgeons Annual Meeting, San Francisco, California, October 1995.
115. Maroon, J.C.: Orbital Tumors. Congress of Neurological Surgeons Annual Meeting, San Francisco, California, October 1995.
116. 6th Bangkok Neurosurgical Forum, Bangkok, Thailand, February 1996.
117. Maroon, J.C.: Introduction and Overview of Sports Related Concussion. Sports Related Concussion and CNS Injuries, Orlando, Florida, February, 1997.
118. Maroon, J.C.: Surgical Approaches to the Orbit. 18th Annual Meeting of the Egyptian Society of Neurological Surgeons. Cairo, Egypt, March 1997.
119. Maroon, J.C.: Minimally Invasive Treatment of Lumbar Disc Disease. 18th Annual Meeting of the Egyptian Society of Neurological Surgeons. Cairo, Egypt, March, 1997.
120. American Association of Neurological Surgeons 65th Annual Meeting, April, 1997.
121. Pennsylvania Athletic Trainer=s Association, May, 1997.
122. World Association of Lebanese Neurosurgeons, Beirut, Lebanon, July, 1997.
123. Maroon, J.C.: Cranio-orbital Surgery, Congress of Neurological Surgeons 47th Annual Meeting, New Orleans, Louisiana, September 1997.
124. Maroon, J.C.: Greast Expectations: The Joy of a Surgical Career, 83rd Clinical Congress of the American College of Surgeons, Chicago, Illinois, October 1997.

125. Maroon, J.C.: The Past, Present and Future of Neurosurgery. The American Academy of Pediatric Neurosurgery and The Pediatric Neurosurgical Fellowship Directors Annual Meeting, Pittsburgh, Pennsylvania, November, 1997.
126. Maroon, J.C.: Neurological Injuries and the Athlete. American Association of Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April 1998.
127. Maroon, J.C.: Diagnosis and Management of Foraminal and Far Lateral Lumbar Disc Herniations. American Association of Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April, 1998.
128. Maroon, J.C.: Inhibition of Postoperative Peridural Fibrosis and Reduction of Fibrosis Related Symptoms with a Bioresorbable Carbohydrate Gel: Adcon7. American Association of Neurological Surgeons 66th Annual Meeting, Philadelphia, Pennsylvania, April 1998.
129. Maroon, J.C.: Microsurgical and Percutaneous Approaches to Lumbar Discs. XIX Course of Continued Education in Neurosurgery, Sao Paulo, Brazil, April, 1998.
130. Maroon, J.C.: Management of Head and Neck Injuries in Athletics. XIX Course of Continued Education in Neurosurgery, Sao Paulo, Brazil, April, 1998.
131. Maroon, J.C.: Management of Spheno-Orbital Meningiomas. XIX Course of Continued Education in Neurosurgery, Sao Paulo, Brazil, April, 1998.
132. Maroon, J.C.: The Management of Cerebral Concussion in Athletes, 51st Annual Meeting of the Neurosurgical Society of America, Quebec City, Quebec, Canada, May, 1998.
133. Maroon, J.C.: Concussions and Other Head Injuries. National Basketball Trainers Association Continuing Medical Education, Chicago, Illinois, June, 1998.
134. Maroon, J.C.: Neuropsychological Testing of Professional Athletes. National Basketball Trainers Association Continuing Medical Education, Chicago, Illinois, June, 1998.
135. Maroon, J.C.: Minimally Invasive Surgery for Lumbar Disc Disease. International Winter Congress on Minimally Invasive Techniques for Neurosurgery and Otolaryngology, Aspen, Colorado, March 24, 1999.
136. Maroon, J.C.: Healing and Spirituality: Patients I Have Met. Live Well with Cancer Programs at the Cancer Caring Center, Pittsburgh, PA, April 7, 1999.

137. Maroon, J.C.: Cerebral Concussion Management and Return to Play Decisions. American Association of Neurological Surgeons 67th Annual Meeting, New Orleans, LA, April 26, 1999.
138. Maroon, J.C.: Cerebral Concussion on Athletes: Evaluation and Neuropsychological Testing. American Association of Neurological Surgeons 67th Annual Meeting, New Orleans, LA, April 27, 1999.
139. Maroon, J.C.: Head and Neck: The NFL C-Spine. Sports Medicine 1999: An NFL Perspective, Bal Harbour, FL, May 7-9, 1999.
140. Maroon, J.C.: the Diagnosis and Treatment of Head Injuries in Athletes. Congress of Neurological Surgeons Annual Meeting, Boston, MA, October, 1999.
141. Maroon, J.C.: Management of the Injured Athlete. ImPACT--A New Neuropsychological Tool for Evaluating Concussion in Athletes. American Association of Neurological Surgeons 68th Annual Meeting, San Francisco, CA, April 8-13, 2000.
142. Maroon, J.C.: Minimally Invasive Surgery of the Spine. American Association of Neurological Surgeons 68th Annual Meeting, San Francisco, CA, April 8-13, 2000.
143. Maroon, J.C.: Faith and Healing. Calvary Baptist Church, Follansbee, WV, April 30, 2000.
144. Maroon, J.C.: Faith and Healing. Cancer Caring Center, Pittsburgh, PA, May 17, 2000.
145. Maroon, J.C.: Diagnosis and Treatment of Athletic Concussions: A New Approach. Samuel Francis School Law Symposium, Sports Law Update 2000, University of Pittsburgh Law School, Pittsburgh, PA June 13, 2000.
146. Maroon, J.C.: Current Concepts in Minimally Invasive Discectomy: Percutaneous, Endoscopic, Laser and Microsurgical. First Interdisciplinary World Congress of Spinal Surgery. Berlin, German, August 2 –September 1, 2000.
147. Maroon, J.C.: Cerebral Concussion in Athletes: Neuropsychological Evaluation and Testing. Congress of Neurological Surgeons Annual Meeting, San Antonio, TX, September, 2000.
148. Maroon, J.C.: Balance and a Surgical Career—an Oxymoron or Possibility. Clinical Congress of the American College of Surgeons, Chicago, IL, October 26, 2000.

149. Maroon, J.C.: Recent Advances in Brain Tumor Treatment. Ohio Cancer Research Annual Meeting, St. Clairsville, OH, March 30, 2001.
150. Maroon, J.C.: Overview of Minimally Invasive Techniques of Lumbar Discectomy: APLD, Chymopapain, Laser Discectomy, Microdiscectomy. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 21-26, 2001.
151. Maroon, J.C.: Sports Related Concussion: Evaluation and Neuropsychological Testing. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 21-26, 2001.
152. Field, M.; Ablak, A.A.; Maroon, J.C.; Burke, J.P.; Bost, J.; Ablak, A.; Ablak, Ad.: Posterior Occipitocervical Fusion in Adults. A long-term follow-up Study. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April, 21-26, 2001.
153. Burke, J.P.; Ablak, A.A.; Maroon, J.C.; Field, M.; Bost, J.; Ablak, A.; Ablak, Ad.: Outcome Comparison of Synthes Cervical Spine Locking Plate systems. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 21-26, 2001.
154. Burke, J.P.; Ablak, A.A.; Maroon, J.C.; Field, M.; Bost, J.; Ablak, A.; Ablak, Ad.: Long Term Outcome of Lumbar Pedicle Screws. American Association of Neurological Surgeons Annual Meeting, Toronto, Canada, April 21-26, 2001.
155. Maroon, J.D.: The Management of Cervical Spine Injuries in the NFL. American Orthopedic Society of Sports Medicine, Phoenix, AZ, May 11-13, 2001.
156. Maroon, J.C.: ImPACT—Immediate Post Concussion Athletic Cognitive Testing. Neurosurgical Society of America Annual Meeting, Amelia Island, FL, June 8-10, 2001.
157. Maroon, J.C.: Basic Concepts, Definitions and guidelines: From the Laboratory to the Playing Field. New Developments in Sports Related Concussion Symposium, Pittsburgh, PA, July 27-29, 2001.
158. Maroon, J.C.: Neurosurgical Management of Athletic Injuries. Congress of Neurological Surgeons, J.C.: Guidelines for Athletes with Concussion: What is the Evidence? Congress of Neurological Surgeons 51st Annual Meeting, San Diego, CA, September 29-October 4, 2001.
159. Maroon, J.C.; Gardner, P.; Levy, E.; Bejjani, G.K.: Golf Induced Stroke from Vertebral Artery Dissection. Poster Session, Congress of Neurological Surgeons 51st Annual Meeting, San Diego, CA, September 29-October 4, 2001.
160. Greenspan, J.; Sybert, G.; Maroon, J.C., et al.: Retrospective Safety Evaluation of

ADCON®-L for Inhibition of Postoperative Peridural Fibrosis Following Spinal Root Decompression. Poster Session, Congress of Neurological Surgeons 51st Annual Meeting, San Diego, CA, September 29-October 4, 2001.

161. Maroon, J.C.; Sypert, G.; Bartie, G.; Moldawaer, T.; et al. Retrospective safety evaluation of ADCON-L® for inhibition of postoperative peridural fibrosis following spinal root decompression. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6-11, 2002.
162. Burke, J.; Ablak, A.A.; Maroon, J.C., Bost, J.; et al: Salvage pedicle screws for post laminectomy spondylolisthesis and failed spinal fusion. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6-11, 2002.
163. Burke, J.; Ablak, A.A.; Maroon, J.C.; Bost, J.; et al: Advances in postoperative management of lumbosacral pedicle screw fusion patients. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6- 11, 2002.
164. Burke, J; Ablak, A.A., Maroon, J.C.; Relic, R.; et al: Long segment plating of the anterior cervical spine: radiographic and clinical outcome. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6 – 11, 2002.
165. Bejjani, G.K.; and Maroon, J.C.: Treatment of failed adult chiari malformation—decompression with CSF drainage. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6-11, 2002.
166. Maroon, J.C.: New and evolving technologies for minimally invasive surgery fo the lumbar disc. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6-11, 2002.
167. Maroon, J.C.: Challenges in identifying and treating sports injuries. The role of neuropsychological testing in athletes. American Association of Neurological Surgeons Annual Meeting, Chicago, IL, April 6-11, 2002.
168. Maroon, J.C.: Evaluation and managemernt of head injuries in athletes. Neurosurgical Society of America, Kiawah Island, SC, April 21-24, 2002.
169. Maroon, J.C.: Management of the concussed professional athlete. New Developments in Sports-Related Concussion. Pittsburgh, PA, July 19-21, 2002.
170. Bejjani, G.K.; Maroon, J.S.; Bost, J; Eddy, K.; Heise, T.: Evaluation of a new dural substitute for adult arnold chiari malformation reconstruction. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 21-26, 2002.

171. El-Kadi, M.; Maroon, J.C.; Abla, A.A.; Bost, J.W.; Marcello, L.; Relic, R.; Painter, D.; Gojkovich, C.: Prospective evaluation of VG2™ interbody fusion for patients with discogenic back pain. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 21-26, 2002.
172. El-Kadi, M.; Maroon, J.C.; Abla, A.A.; Bost, J.W.; Marcello, L.; Relic, R.; Painter, D.; Gojkovich, C.: Revisiting fixed-angle screw rigid anterior cervical plate system. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 21-26, 2002.
173. Maroon, J.C.: New Developments in concussion management: the Pittsburgh Steelers protocol. Congress of Neurological Surgeons Annual Meeting, Philadelphia, PA, September 21-26, 2002.
174. Maroon, J.C.: Minimally invasive surgery of the spine. AANS/CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Tampa, FL, March 5-8, 2003.
175. Maroon, J.C.: Advances in minimally invasive techniques in lumbar spine surgery. Pennsylvania Neurosurgical Society, Mid-Atlantic Neurosurgical Society Annual Spring Meeting, Pittsburgh, PA, March 27-28, 2003.
176. Maroon, J.C.: Challenges in identifying and treating sports injuries. American Association of Neurological Surgeons Annual Meeting, San Diego, CA, April 26-May 1, 2003.
177. Maroon, J.C.: The Fires Within – The Role of Inflammation in Heart, Joint, and Brain Diseases. Wheeling Hospital, Wheeling, WV, April 28, 2004.
178. Maroon, J.C.; Bost, J.: The Role of Essential Fatty Acids in Modification of Eicosanoids in Discogenic Disease. American College of Nutrition, September 30-October 3, 2004, Long Beach, CA.
179. Maroon, J.C.: Sports Medicine in Neurosurgery. Congress of Neurological Surgeons Annual Meeting, October 16-21, 2004, San Francisco, CA.
180. Maroon, J.C.: Concussion. Senior Resident Course on Neurotrauma and Critical Care. February 26-27, 2005. University of Pittsburgh School of Medicine, Pittsburgh, PA.
181. Maroon, J.C.: Omega-3 JEFA, We Now Have the Facts. Nutrition and Health Meeting, Tucson, AZ, March 2005.
182. Maroon, J.C.: Neuropraxia—Spinal Stenosis—and Herniated Cervical Discs. Treatment Options and Return to Play Decision Making. AANS/CNS Section on Disorders of the

Spine and Peripheral Nerves, Phoenix, Arizona, March 9 – 12, 2005.

183. Abla, A.A., El-Kadi, H.; Maroon, J.C., Bost, J., Marcello, L., Wert, M., Montgomery, A., Baughman, J., Strelec, L.: Prospective Evaluation of Composite Cortical and Cancellous Bone Graft for Anterior Cervical Fusion. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
184. Abla, A.A., El-Kadi, H.; Maroon, J.C., Bost, J., Marcello, L., Wert, M., Montgomery, A., Baughman, J., Strelec, L.: Evaluation of ENT-Assisted Anterior Cervical Approach for Spinal Fusion. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
185. Abla, A.A., El-Kadi, H.; Maroon, J.C., Bost, J., Marcello, L., Wert, M., Montgomery, A., Baughman, J., Strelec, L.: Surgical Techniques Minimizing Blood Loss in Posterior Pedicle Screw Lumbar Spine Fixation. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
186. Abla, A.A., El-Kadi, H.; Maroon, J.C., Bost, J., Marcello, L., Wert, M., Montgomery, A., Baughman, J., Strelec, L.: Operative Techniques to Reduce Instrumentation failure with Pedicle Screw Fusion. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
187. Maroon, J.C., Bost, J., Baughman, J., Wert, M.: Results of Omega-3 EFA for Spine Pain. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005. Received First Place Award for Poster Presentation.
188. El-Kadi, H., Abla, A.A., Maroon, J.C., Bost, J., Marcello, L., Kosovec, M., Mullen, B.: Complications in Long Segment Anterior Cervical Fusion, Experience in 100 Patients, Prognostic Factors in Elderly Patients with Long Segment Anterior Cervical Fusion. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
189. El-Kadi, H., Abla, A.A., Maroon, J.C., Bost, J., Marcello, L., Kosovec, M., Mullen, B.: Evaluation of Pedicle Screw Fixation for Mechanical Post-Laminectomy Pain Syndrome. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
190. Maroon, J.C.: Complex Cranio Orbital Tumors Lesions. American Association of Neurological Surgeons Annual Meeting, New Orleans, LA, April 16-21, 2005.
191. Maroon, J.C.: Modulation of Inflammation and Immune Responses by Prostaglandins and Thromboxanes. The Institute for Functional Medicine 12th International Symposium, Palm Springs, CA, May 2005.

192. Maroon, J.C.: Omega-3 EFA for Spine Pain. ACAM Fall 2005 Conference, Anaheim, CA, November 9-13, 2005.
193. Maroon, J.C.: Cognitive Function in Physical Fitness—A Critical Interaction. Milken Institute Global Conference of Healthy Aging/Faster Cures. Santa Monica, CA, April 23, 2005.
194. Maroon, J.C.: The use of ImPACT-Sr. Milken Institute Global Conference of Healthy Aging/Faster Cures. Santa Monica, CA, April 23, 2005.
195. Maroon, J.C.: The History of Spine Surgery. American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 26, 2006
196. Maroon, J.C.: Complex Crani-Orbital Tumors and Lesions. American Association of Neurological Surgeons Annual Meeting, San Francisco, CA, April 26, 2006.
197. Maroon JC: The New Genetic Science of Aging: Increasing the Quality and Length of Life, A4M Meeting, Chicago, IL, July 14-16, 2006.
198. Maroon JC: Omega-3 EFA's: Now we have the facts. Webinar, September 13, 2006.
199. Maroon JC: A Surgeon's Story--Successes, Failures and an Rx for a balanced life. American College of Surgeons Clinical Congress, Chicago, IL, October 9, 2006.
200. Maroon JC: Neurocognitive Testing in Athletic Cerebral Concussion. Congress of Neurological Surgeons Annual Meeting, Chicago, IL, October 9, 2006.
201. Maroon JC: Neurological injury and sports. Neurosurgery Grand Rounds, The Cleveland Clinic, Cleveland, OH, November 3, 2006.
202. Maroon JC: Sports medicine and neurosurgery: Recent advances in neurapraxia and cerebral concussion injuries. 9th Annual Innovations in Neuroscience Nursing, Cleveland, OH, November 3, 2006.
203. Maroon JC: Extending Life: The New Science of Aging – How to Activate Longevity Genes and Increase Quality and Length of Life, 14 International Congress on Anti-Aging Medicine, Las Vegas, NV, December 7-10, 2006

VISITING PROFESSOR

1. University of Cincinnati, March 27-18, 1984, Diagnosis and Treatment of Pituitary

Tumors.

2. Indiana University and Indiana State Medical Association, October 19-24, 1984, Surgical Approaches to the Orbit.
3. Harvard University, November 5-9, 1984, Optic Nerve and Sports Medicine.
4. Northwestern University April 4-5, 1985, Treatment of Orbital and Parasellar Tumors.
5. Cleveland Clinic, November 14-15, 1985, Surgical Approaches to the Orbit.
6. University of Cincinnati, January 8-10, 1986, Percutaneous Lumbar Discectomy.
7. Dartmouth University, December 12, 1986, Percutaneous Discectomy.
8. West Virginia University, December 11, 1987, Treatment of Cervical and Lumbar Spine Disorders.
9. Medical College of Pennsylvania, December 15, 1987, Microsurgical and Percutaneous Approaches to Herniated Lumbar Discs.
10. Wayne State University, May 1990, Treatment of Cervical and Lumbar Spine Disorders.
11. University of Pittsburgh Medical Center, December 1995.
12. Stanford University Medical Center, January 15, 1998, Surgical Approaches to Orbital Tumors.
13. University of Miami Medical Center, January 14-15, 1999, Minimally Invasive Surgery of the Spine, Orbital Surgery by the Neurosurgeon, Balance and the Neurosurgeon: Attainable or an Oxymoron?
14. University of Indiana, March 13-14, 1999, Head Injuries in Athletes - Evaluation and Neuropsychological Testing.
15. Hebrew University Medical School, Jerusalem, March 12-17, 2000, Minimally Invasive Surgery of the Spine.
16. Celebration Hospital, Celebration, FL., September 27, 2002: "Balance in a Physician's Life."
17. University at Buffalo Neurosurgery, Buffalo, NY, November 19, 2004: "The Role of Neurocognitive Testing in Athletic Cerebral Concussion."

18. Stanford University Medical Center, Palo Alto, CA, February 4, 2005: “Neurocognitive Testing in Athletes with Concussion (MTBI). A New Standard of Care.
19. Stanford University Medical Center, Palo Alto, CA, February 4, 2005. “The Role of Inflammation in Intervertebral Disc Disease.”
20. Fifth Annual G. Robert Nugent Lectureship, West Virginia University School of Medicine, May 7, 2005. “A Neurosurgeon’s Journal: Successes, Failures and Lessons (Hopefully) Learned.

Revised: 6/6/07

kph

TAB 10

CURRICULUM VITAE

PATRICK J. MCKENZIE, M.D.

OFFICE ADDRESS: Orthopaedic Associates of Green Bay, S. C.
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Green Bay, WI 54313
Office: (920)468-0246
Fax: (920)432-9309

Date of Birth: 2/17/57 Rice Lake, Wisconsin

Family: Married: Anne
Children: Patrick, Maureen, Meghan, Kevin and Anne Marie

Education: St. John's University Medical College of Wisconsin
Collegeview, Minnesota Milwaukee, Wisconsin
B.A. 1979 M.D. 1983

Residency: Medical College of Wisconsin Medical College of Wisconsin
Milwaukee, Wisconsin Milwaukee, Wisconsin
Internship (Rotating) Resident (Orthopaedic Surgery)
July 1983-June 1984 July 1984-June 1988

Fellowships: Arthroscopy and Sports Medicine/James R. Andrews, M.D.
American Sports Medicine Institute
1201 11th Avenue, South, #200
Birmingham, AL 35205
July 1988-June 1989

Licensure: Wisconsin, 1988 – 25996

Board Certified: American Board of Orthopaedic Surgeons
1991 and 2011

Orthopaedic Practice: Orthopaedic Associates of Green Bay, S. C.
1630 Commanche Avenue Ste 101
Green Bay, WI 54313
1989 to Present

**Sports Medicine
Affiliation:** Green Bay Packers, Medical Director
1993 to Present

University of Wisconsin – Oshkosh
Team Physician 1996 to present

Society Memberships: American Academy of Orthopaedic Surgeons (AAOS)
Wisconsin State Medical Society
Brown County Medical Society
American Sports Medicine Fellowship Society
National Football League Physicians Society
American Orthopedic Society for Sports Medicine (AOSSM)

Medicare Number : 07-0003

EDS: 31480700

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DePere, WI 54115 (920)337-6372

Anne	398/80/7149	05/20/60
Maureen	392/02/2465	11/23/85
Meghan	392/02/1781	12/27/87
Patrick	392/02/1695	04/18/82
Kevin	395/08/2677	09/27/91
Anne Marie	391/13/8259	06/16/94

Bellin Hospital
744 South Webster
433-3500
Active Since 5/1989

St. Vincents Hospital
835 Van Buren St.
433-0111
Active Since 5/1989

St. Mary's
1726 Shawano Avenue
Green Bay, WI 54303
498-4200
Courtesy Since 7/1997

BayCare
2/99

ABOS July 1991
Recertified January 2002 through 12/31/11

PIC of Wisconsin
Policy # 118298
1,000,000-3,000,000
Expires 8/3/02
Started

TAB 11

CURRICULUM VITAE

Joel Charles Morgenlander, M.D.
4311 Thetford Road
Durham, North Carolina 27707
home (919) 489-5188
work (919) 684-6887

Academic and Clinical Positions:

- December, 1999 - present Professor (with tenure): Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina (Tenure, 2001).
- March, 2000 – present Medical Director, Neuroscience Clinical Service Unit
Duke University Hospital and Private Diagnostic Clinic
Duke University Medical Center. Durham, North Carolina.
- January, 1997 - present Medical Director: Neuroscience and Adult Spine Clinic and Duke Health Center at Morreene Road. Private Diagnostic Clinic. Duke University Medical Center. Durham, North Carolina.
- October, 1994 - present Chief: Clinical Services. Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.
- July, 1992 - present Director: Neurology Residency Training Program. Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.
- July, 1991 - present Attending: Muscular Dystrophy Association Clinic. Duke University Medical Center. Durham, North Carolina.
- July, 1991 - present Attending: Electromyography Laboratory. Duke University Medical Center. Durham, North Carolina.
- February, 1993 - Nov., 1999 Assistant Professor: Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.
- January, 1992 - May, 1999 Director: Medical Student Education. Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.
- July, 1997 - Sept., 1998 Acting Chief: Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.
- July, 1991 - Feb., 1993 Associate: Division of Neurology, Department of Medicine. Duke University Medical Center. Durham, North Carolina.

Education:

- July, 1990 - June, 1991 Neurology Fellowship: Neuromuscular Diseases and Electromyography. Duke University Medical Center. Durham, North Carolina.
- July, 1987 - June, 1990 Neurology Residency: Duke University Medical Center. Durham, North Carolina.
- June, 1986 - June, 1987 Medical Internship: Internal Medicine. University of Pittsburgh Medical Center. Pittsburgh, Pennsylvania.
- Aug., 1982 - May, 1986 Medical School: University of Pittsburgh School of Medicine. Pittsburgh, Pennsylvania.
- Sept., 1978 - May, 1982 College: B.A., Major in Biology. Oberlin College. Oberlin, Ohio.
- Summers, 1980 - 1982 Research Assistant: Departments of Anesthesiology and Neurosurgery, Montefiore Hospital. University of Pittsburgh School of Medicine.

Professional Status:

Diplomate, American Board of Psychiatry and Neurology
Diplomate and Fellow, American Association of Electrodiagnostic Medicine
Diplomate, National Board of Medical Examiners
Licensed, North Carolina Board of Medical Examiners
Fellow, American Academy of Neurology
Member, Alpha Omega Alpha Society
Member, North Carolina Neurologic Association
Fellow, Stroke Council, American Stroke Association

Publications:

Morgenlander JC, Rossitch E, Rawlings CE. Aspergillus disc space infection: A case report and review of the literature. *Neurosurgery* 1989; 25:126-129.

Morgenlander JC, Massey EW. Neurogenic claudication with positionally dependent weakness from a thoracic disc herniation. *Neurology* 1989; 39:1133-1134.

Morgenlander JC, Wilkins RH. Surgical treatment of cluster headaches. *Journal of Neurosurgery* 1990; 72:866-871.

Morgenlander JC, Massey EW. Bell's palsy: A practical approach. *Postgraduate Medicine* 1990; 88:157-164.

- Morgenlander JC, Rozear MP. Disc space infection: A case report with MRI diagnosis. *American Family Physician* 1990; 42:983-986.
- Goldstein LB, Matchar DB, Morgenlander JC, Davis JN. Influence of drugs on the recovery of sensorimotor function after stroke. *Journal of Neurologic Rehabilitation* 1990; 4:137-144.
- Morgenlander JC, Goldstein LB. Recurrent transient ischemic attacks and stroke in association with an internal carotid artery web. *Stroke* 1991; 22:94-98.
- Morgenlander JC, Massey JM. Myotonic dystrophy. *Seminars in Neurology* 1991; 11:236-243.
- Morgenlander JC, Nohria V, Saba Z. EKG abnormalities in pediatric patients with myotonic dystrophy. *Pediatric Neurology* 1993; 9:124-126.
- Morgenlander JC. Three issues concerning lumbar puncture. *Postgraduate Medicine* 1994; 95:125-131.
- Morgenlander JC, Sanders DB. Spontaneous EMG activity in the extensor digitorum brevis and abductor hallicis muscles in normal subjects. *Muscle & Nerve* 1994; 17:1346-1347.
- Devlin T, Gray L, Allen NB, Friedman AH, Tien R, Morgenlander JC. Neuro-Bechet's disease: Factors hampering proper diagnosis. *Neurology* 1995; 45:1754-1757.
- Morgenlander JC, McCallum RM, Devlin T, Moore MS, Gray L, Alberts MJ. Use of transcranial doppler to monitor cerebral vasculitis. *Journal of Rheumatology* 1996; 23:561-563.
- Provenzale JM, Morgenlander JC, Gress D. Spontaneous vertebral dissection: Clinical, conventional angiographic, CT, and MR findings. *Journal of Computer Assisted Tomography* 1996; 20:185-193.
- Morgenlander JC. A syndrome of concurrent central and peripheral nervous system involvement due to Epstein-Barr virus infection. *Muscle & Nerve* 1996; 19:1037-1039.
- Morgenlander JC, Lynch JR, Sanders DB. Surgical treatment of carpal tunnel syndrome in patients with peripheral neuropathy. *Neurology* 1997; 49:1159-1163.
- Morgenlander JC: Recognizing peripheral neuropathy: An introduction. *Postgraduate Medicine* 1997; 102(3):71-80.
- Perkins AT, Morgenlander JC: Endocrinologic causes of peripheral neuropathy. *Postgraduate Medicine* 1997; 102(3):81-106.
- Pirzada NA, Morgenlander JC. Neuropathy in chronic renal failure. *Postgraduate Medicine* 1997; 102(4):249-261.
- Merriggioli MN, Morgenlander JC. Neuropathies in connective tissue disease. *Postgraduate Medicine* 1997; 102(5):65-75.

- Parra A, Gray L, Morgenlander JC. Acute vertebral artery occlusion with isolated anterior cervical spinal cord infarct: Case report and topic review. *Journal of Neurovascular Disease* 1997; 2:247-250.
- Devlin T, Moll S, Hulette C, Morgenlander JC. Intravascular malignant lymphomatosis with neurologic presentation: Factors facilitating antemortem diagnosis. *Southern Medical Journal* 1998; 91:672-676.
- Cokgor I, Rozear MP, Morgenlander JC. Seizures and Creutzfeldt-Jakob disease: A case report and series review. *North Carolina Medical Journal*, 1999; 60(2):108-109.
- Ahern G, Bedlack RS, Price DT, Robertson CN, Morgenlander JC. Transient lumbosacral polyradiculopathy following prostatectomy: Association with spinal stenosis. *Southern Medical Journal* 1999; 92:809-811.
- Chu CT, Howell DN, Morgenlander JC, Hulette CM, McLendon RE, Miller SE. Electron microscopic diagnosis of human Flavivirus encephalitis: Use of confocal microscopy as an aid. *American Journal of Surgical Pathology* 1999; 23:1217-1226.
- Steffans DC, Morgenlander JC. Initial evaluation of suspected dementia: Asking the right questions. *Postgraduate Medicine* 1999; 106(5):72-83.
- Burke JR, Morgenlander JC. Update on Alzheimer's disease: Promising advances in detection and treatment. *Postgraduate Medicine* 1999; 106(5):85-96.
- Welsh-Bohmer KA, Morgenlander JC. Determining the cause of memory loss in the elderly: From in-office screening to neuropsychological referral. *Postgraduate Medicine* 1999; 106(5):99-128.
- Burke JR, Morgenlander JC. Managing common behavioral problems in dementia: How to improve quality of life for patients and families. *Postgraduate Medicine* 1999; 106(5):131-140.
- Spinner RJ, Morgenlander JC, Nunley JA. Ulnar nerve function following total elbow arthroplasty: A prospective study comparing preoperative and postoperative clinical and electrophysiologic evaluation in patients with rheumatoid arthritis. *The Journal of Hand Surgery* 2000, 25A (2):360-364.
- Shbarou RM, Chao NJ, Morgenlander JC. Cyclosporin A-related cerebral vasculopathy. *Bone Marrow Transplantation* 2000; 26:801-804.
- Bedlack RS, Strittmatter WJ, Morgenlander JC. Apolipoprotein E and neuromuscular disease: A critical review of the literature. *Archives of Neurology* 2000; 57:1561-1565.
- Bushnell C, Siddiqi Z, Morgenlander JC, Goldstein LB. Use of specialized coagulation testing in the evaluation of patients with acute ischemic stroke. *Neurology* 2001; 45:624-627.
- Bulsara KR, Baron PW, Tuttle-Newhall JE, Clavien P, Morgenlander JC. Guillain-Barre syndrome in organ and bone marrow transplant patients. *Transplantation* 2001; 71:1169-1183.
- Clem K, Morgenlander JC. Amyotrophic lateral sclerosis. *EMedicine Journal* 2001; Vol. 2 No. 6.

Corboy JR, Boudreau E, Morgenlander JC, Rudnicki S, Coyle PK. Neurology residency training at the millenium. *Neurology* 2002; 58:1454-1460.

Panitch H, Goodin DS, Francis G, Chang P, Coyle PK, O'Connor P, Monaghan E, Li D, and Weinshenker B. Randomized, comparative study of interferon B-1a treatment regimens in MS: The EVIDENCE Trial. *Neurology* 2002; 59:1496-1506.

Bedlack RS, Edelman D, Gibbs III JW, Kelling D, Strittmatter W, Saunders AM, Morgenlander J. APOE genotype is a risk factor for neuropathy severity in diabetic patients. *Neurology* 2003; 60:1022-1024.

Olson DM, Cheek DJ, Morgenlander JC. The impact of bispectral index monitoring on rates of propofol administration. *American Association of Critical-Care Nurses, Clinical Issues*. Jan-Mar 2004; 5(1):63-73.

Bedlack RS, Vu T, Hammans S, Sparr SA, Myers B, Morgenlander J, and Hirano M. MNGIE neuropathy: Five cases mimicking chronic inflammatory demyelinating polyneuropathy. *Muscle & Nerve* 2004; 29:364-368.

Morgenlander JC, Hale J, Cutler D. How to identify and eliminate patient flow bottlenecks. *Practical Neurology* 2004;3:58-61.

Schwid SR, Thorpe J, Shariof M, Sandberg-Wollheim M, Rammohan K, Wendt J, Panitch H, Goodin D, Li D, Chang P, Francis G, Evidence Study Group and University of British Columbia MS/MRI Research Group. Enhanced benefit of increasing interferon beta-1a dose and frequency in relapsing multiple sclerosis. *Archives of Neurology* 2005; 62: 785-792.

Sathornsumetee S, Morgenlander JC. Friday night palsy: An unusual case of brachial plexus neuropathy. *Clinical Neurology and Neurosurgery* 2006; 108: 191-192.

Lobello K, Morgenlander JC, Radtke RA, Bushnell CD. Video EEG monitoring in the characterization of paroxysmal behavioral events: duration, limitations. *Epilepsy & Behavior* 2006; 8: 261-266.

Halford J, Mazeika G, Slifer S, Speer M, Saunders AM, Strittmatter WJ, Morgenlander JC. APOE2 allele increased in tardive dyskinesia. *Movement Disorders* 2006; 21: 540-542.

Chapters:

Morgenlander JC. Neurosarcoidosis. *In: Current Therapy in Neurologic Disease*. Johnson RT, Griffin JW, eds. 4th ed. St. Louis: Mosby-Year Book, 1993: 163-165.

Morgenlander JC. Nerve Conduction Study and Electromyography. *In: Neurosurgery*. Wilkins RH, Rengachary SS, eds. 2nd ed. New York: McGraw-Hill, 1996: 191-201.

Morgenlander JC. Bell's Palsy and other facial neuropathies. *In: Prognosis in Neurology*. Gilchrist JM, ed. Boston: Butterworth-Heinemann, 1998: 319-322.

Morgenlander JC. Autonomic Nervous System. *In: Clinical Examination of the Nervous System.* Gilman S, ed. McGraw-Hill, 2000:213-226.

Presentations and Abstracts:

Wilkins RH, Morgenlander JC. Results of surgical treatment of cluster headache: Initial relief followed by recurrence. Platform presentation. Southern Neurosurgery Society. March, 1989. *Neurosurgery* 1989; 24:948 (abstr).

Wilkins RH, Morgenlander JC. Results of surgical treatment of cluster headache: Initial relief followed by recurrence. Poster presentation. American Academy of Neurosurgery. April, 1989. *Journal of Neurosurgery* 1989; 70:305 (abstr).

Morgenlander JC, Massey EW. Neurogenic claudication with positionally dependent weakness from a thoracic disc herniation. Poster presentation. American Academy of Neurology. April, 1989. *Neurology* 1989; 39(suppl):235 (abstr).

Goldstein LB, Matchar DB, Morgenlander JC, Davis JN. Drugs influence recovery of function after stroke. Poster presentation. 15th International Joint Conference on Stroke and Cerebral Circulation. February, 1990. *Stroke* 1990; 21:179 (abstr).

Morgenlander JC, Sanders DB. Assessment of physicians acceptance of electromyography reports. Poster presentation. American Academy of Electrodiagnostic Medicine. October, 1992. *Muscle & Nerve* 1992; 15:1196 (abstr).

Morgenlander JC, Sanders DB. Coincident multiple sclerosis and monomelic amyotrophy in a young man. Poster presentation. American Academy of Electrodiagnostic Medicine. October, 1992. *Muscle & Nerve*; 15:1198 (abstr).

Morgenlander JC, Bossen EH, Kussin PS, Sanders DB. Unusual features in a patient with acid maltase deficiency. Poster presentation. American Academy of Electrodiagnostic Medicine. October, 1993. *Muscle & Nerve*; 16:1121 (abstr).

Devlin T, Morgenlander JC, Gray L, Allen NB, Tien R. Neuro-Behcet's disease: Factors hampering proper diagnosis. Poster presentation. American Academy of Neurology. May, 1994. *Neurology*; 44(suppl):316 (abstr).

Morgenlander JC, Lynch JR, Sanders DB. Surgical treatment of carpal tunnel syndrome in patients with peripheral neuropathy. Poster presentation. American Academy of Neurology. April, 1997. *Neurology*; 48(suppl):188 (abstr).

Morgenlander JC, Morley KN, Sanders DB. The dilemma of carpal tunnel syndrome and coexistent peripheral neuropathy. Poster presentation. American Academy of Electrodiagnostic Medicine. September, 1997. *Muscle & Nerve*; 20:1061 (abstr).

Chu CT, Howell DN, Morgenlander JC, McClendon RE, Miller SE. Electron microscopic diagnosis of arboviral meningoencephalitis. Poster presentation. American Association of Neuropathologists. May, 1998. *Journal of Neuropathology and Experimental Neurology*; 57:505 (abstr).

Bushnell CB, Siddiqi Z, Morgenlander JC, Goldstein LB. Use of coagulation tests in evaluation of acute ischemic stroke. Poster presentation. 25th International Stroke Conference, February, 2000. *Stroke*; 31:332 (abstr).

Bedlack RS, Vu T, Sparr SA, Hammans S, Myers B, Morgenlander J, Shafer S, Lovelace R, Hirano M. MNGIE Neuropathy mimicking CIDP. Poster presentation. American Academy of Neurology, April, 2003, *Neurology*; 60(suppl):488 (abstr).

Miller C, Ciafaloni E, Morgenlander JC. Integration of End-of-Life curriculum into the Duke University Neurology Residency Training Program, 2003, *Journal of Palliative Medicine*, 6(6): 949-950 (abstr).

Letters and Editorials:

Morgenlander JC, Hurwitz BJ, Massey EW. Capsaicin for the treatment of pain in Guillain-Barre syndrome. *Annals of Neurology* 1990; 28:199.

Morgenlander JC, Goldstein LB. Recurrent transient ischemic attacks and stroke associated with an internal carotid artery web. *Stroke* 1991; 22:956.

Skeen MB, Rozear MP, Morgenlander JC. Posey palsy. *Annals of Internal Medicine* 1992; 117:795.

Morgenlander JC. Bell's palsy: An eponym that often leads to confusion. *Muscle & Nerve* 1994; 17:119.

Morgenlander JC, Redick LF. Spinal dysraphism and epidural anesthesia. *Anesthesiology* 1994; 81:783-785.

Devlin T, Gray L, Allen NB, Friedman AH, Tien R, Morgenlander JC. Neuro-Behcet's disease in Japan. *Neurology* 1996; 47:614-615.

Morgenlander JC. Concerns about meningitis. *Postgraduate Medicine* 1998; 104:131.

Editorial Positions:

Neurology Section Editor: *Postgraduate Medicine*. 1997 - present

Ad Hoc Reviewer:	Muscle and Nerve.	1998 - present
	Southern Medical Journal.	1998 - present
	Neurology	2002 - present

Grant Support:

Co-investigator: A natural history study of patients with amyotrophic lateral sclerosis using TUFTS quantitative neuromuscular exam, Syntex-Synergen neuroscience joint venture, July, 1993. (PI: Janice Massey, M.D.).

Co-investigator: A double-blind, parallel, placebo controlled, multiple dose study assessing the safety and efficacy of recombinant human ciliary neurotrophic factor (rhCNTF) in patients with amyotrophic lateral sclerosis, Syntex-Synergen neuroscience joint venture, October, 1993. (PI: Janice Massey, M.D.).

Co-investigator. Open –label trial of rilutek (riluzole) 50 Mg BID in the treatment of amyotrophic lateral sclerosis (ALS), Rhone-Poulenc Rorer Pharmaceutical INC, 5% (0) July, 1995. (PI: Janice Massey, M.D.).

Co-investigator. An open label, randomized, multicenter, comparative, parallel group study of Rebif 44mcq administered subcutaneous injection administered three times per week compared to Avonex 30 mcq administered once per week by intramuscular injection in the treatment of relapsing-remitting multiple sclerosis. Serono Laboratories, 4% (0) March, 2000 – Dec., 2002. (PI: Barrie Hurwitz, M.D.).

Co-investigator. Criteria to Determine Disability Related to MS. AHRQ (EPC program) 5% Jan. 2, 2003 – Jan. 30, 2004. (PI: David Matcher, M.D.).

Principal investigator. Treatment of Restless Legs Syndrome with a Sequential Compression Device. 5% December, 2003 – 2006.

Faculty Participation in Conferences:

Approach to patients with weakness of peripheral origin. North Carolina Academy of Physician Assistants. Myrtle Beach, 1992.

Fibromuscular dysplasia. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1992.

Migraine headaches. North Carolina Academy of Physician Assistants. Myrtle Beach, 1993.

Post-lumbar puncture headache. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1993.

Neurosarcoidosis. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1994.

Motor fluctuations in Parkinson's disease. Duke Parkinson's Disease Support Group, 1994.

Paraproteinemic neuropathy. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1995.

Vestibular disorders: Moderator. Cranial nerve dysfunction: Contemporary assessment, surgical therapy and rehabilitation. GME Course. Duke University Medical Center, 1995.

Conduction block and temporal dispersion in motor nerve conduction. Selected topics in EMG. GME Course. Duke University Medical Center, 1995.

Paraproteinemic neuropathies. North Carolina Neurologic Association. Pinehurst, 1995.

Update on Bell's palsy. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1996.

Headache and intracranial disease. North Carolina Academy of Physician Assistants. Myrtle Beach, 1996.

Arboviral encephalitis. Clinical Neuroscience Grand Rounds. Duke University Medical Center, 1997.

Peripheral neuropathy. Peripheral Neuropathy Association, Raleigh Chapter, 1998.

Migraine headache. North Carolina Academy of Physician Assistants. Myrtle Beach, 1998.

Migraine update: Teer House Lecture. Duke University, 1999.

Headache: Update on diagnosis and treatment. North Carolina Academy of Physician Assistants. Myrtle Beach, 1999.

Peripheral neuropathy. Peripheral Neuropathy Association, Raleigh Chapter, 1999.

Update in Neurology. North Carolina Chapter of the American College of Physicians-American Society of Internal Medicine. Durham, 2000.

Relapsing and remitting: It's not always multiple sclerosis. Duke MS Conference. Durham, 2000.

Evaluation of patients with normal pressure hydrocephalus. Clinical Neuroscience Grand Rounds, 2000.

Metamorphosis of a neurology resident. Educational Symposium. American Neurological Association, Boston, 2000.

Neurology Residency Program Management. Association of University Professors of Neurology, 1st Annual Leadership Course. Chicago, 2001.

Neurology Residency Training in the US: Where we are and where we are going. Clinical Neuroscience Grand Rounds, 2002.

Neurology for Psychiatrists. Duke University Medical Center Comprehensive Psychiatry Update. Orlando, 2002.

Neurology for Psychiatrists. Duke University Medical Center Comprehensive Psychiatry Update. Orlando, 2003.

Neurologic Examination Workshop. North Carolina Chapter of the American College of Physicians. Durham, 2004.

Neurosarcoidosis. Rheumatology Grand Rounds. Duke University Medical Center, 2004.

Neurology for Psychiatrists. Duke University Medical Center Comprehensive Psychiatry Update. Orlando, 2004.

Technical aspects of lumbar puncture. Duke University Medical Center. Internal Medicine Update, 2005.

Functional neurology. Clinical Neuroscience Grand Rounds, 2005.

Neuro-crossfire I. Course Facilitator. American Academy of Neurology. San Diego, 2006.

Technical aspects of lumbar puncture. Duke University Medical Center. Internal Medicine Update, 2006.

Boot Camp for Neurology Residency Program Directors. Association of University Professors of Neurology. Chicago, 2006.

Endocrinology for Neurologists. Coordinator. Clinical Neuroscience Grand Rounds, 2007.

Evaluation of Mental Status Changes. Capstone Course. Duke University Medical School, 2007.

Altered Mental Status. Emergency Medicine Residency Program. Duke University Medical Center, 2007.

Technical aspects of lumbar puncture. Duke University Medical Center. Internal Medicine Update, 2007.

Boot Camp for Neurology Residency Program Directors. Association of University Professors of Neurology. Washington, 2007.

Neurology Residency Program Coordinators Meeting. Association of University Professors of Neurology. Washington, 2007.

Neurology 2007. Electronic Residency Application Service Meeting at the AAMC Annual Meeting. Washington, 2007.

University/Medical Center Committees:

Quality Assurance Committee. Division of Neurology. Duke University Medical Center. 7/91 - present.

Brain Death Committee. Duke University Medical Center. 7/91 - present.

Executive Committee of Clinical Practice Group: Medicine. Duke University Medical Center. 10/94 - present.

Clinical Operating Committee, Private Diagnostic Clinic. Duke University Medical Center. 7/99 - present.

Compliance Committee, Private Diagnostic Clinic. Duke University Medical Center. 1/06- present.

Clinical Advisory Board. Computerized Order Entry System. Duke University Medical Center. 6/03 – present.

Pain Management Oversight Committee: Chair. Duke University Medical Center. 7/04-present.

Clinical Course Directors Committee: Chairman. Duke University Medical School. 6/92 - 4/99.

Curriculum Committee. Duke University Medical School. 6/92 - 4/99.

National Committees/Consulting:

Member, Association of University Professors in Neurology. 1/95 - present.

Chair, Graduate Education Subcommittee of the Association of University Professors in Neurology. 6/03 - present.

Member, Graduate Education Subcommittee of the American Academy of Neurology. 7/97 - present.

Member, Consortium of Neurology Clerkship Directors. American Academy of Neurology. 1995 - present.

Director, Consortium of Neurology Residency Program Directors, American Academy of Neurology. 10/97 – 8/01.

Executive Committee, Consortium of Neurology Residency Program Directors, American Academy of Neurology. 4/01 – 8/03, 4/06-present.

Chair, Board of Regents, GlaxoSmithKline Institute for Neurology Education. 3/99 – present.

Member, Mild Traumatic Brain Injury Committee, National Football League. 2/07- present.

Awards:

Alpha Omega Alpha, University of Pittsburgh Medical School. 1986.

Marvin Rozear “Common Sense” in Neurology Award. Duke University Medical Center. 2002.

In Recognition of Patient-Centric Leadership. Patient Advocacy Week. Private Diagnostic Clinic, Duke University Medical Center. 2003.

Finalist. ACGME’s Parker J. Palmer “Courage to Teach” Award. 2007.

Teaching Conference Participation:

Clinical Neuroscience Grand Rounds (weekly). Coordinator (1994-2001).

Neurology, Interesting Case Conference (weekly). Coordinator.

Neurology, Residency Neuroscience Conference (weekly). Coordinator.

Medical Student Neurology Clerkship Lecture Series (biweekly). Coordinator (1/92 - 4/99), Lecturer.

Neurophysiology Conference (weekly).

Behavioral Neurology Conference (monthly).

Neurology Section of the Practice Course (yearly lecturer). Coordinator (1/92 - 6/98).

Community Service:

Medical Advisor: Peripheral Neuropathy Association. Raleigh Chapter. January 1998 - present.
Potter's Against Parkinson's. North Carolina. July 2006-present.

Coach: Woodcroft Soccer League 1997-present
Woodcroft Basketball League 2002-present
Woodcroft Athletic Association, President 2006- present

Nursery Volunteer: St. Thomas More Church 1998 – 2001

Personal: Birthdate: February 23, 1960
Birthplace: Pittsburgh, PA
Family: Married to Marcia Angiulli Morgenlander
Pediatrician
2 daughters, Shawn and Andrea
2 sons, William and Joshua

TAB 12

CURRICULUM VITAE

THOMAS P. NAIDICH, M.D., F.A.C.R.

**Director of Neuroradiology
Professor of Radiology, and Professor of Neurosurgery
Irving and Dorothy Regenstreif Research Professor of Neuroscience (Neuroimaging)
Mount Sinai School of Medicine
Department of Radiology, Box 1234
One Gustave L. Levy Place
New York, NY 10029-6574**

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Tp: (212) 241-3423 Fax: (212) 876 0755
Beeper: (917) 401 1824
E-Mail: thomas.naidich@mountsinai.org

DATE OF BIRTH:

April 8, 1944

PLACE OF BIRTH:

Brooklyn, New York

MARITAL STATUS:

Married, wife Michele

EDUCATION:

HIGH SCHOOL

H. Frank Carey Jr. Senior High School
Franklin Square, New York
1955 -1962

NATIONAL SCIENCE FOUNDATION
SUMMER STUDY FELLOWSHIPS

1. Cornell University, 1961
2. Northeastern University, 1962

UNIVERSITY

Cornell University
Ithaca, New York
1962 - 1965, B.A.

MEDICAL SCHOOL

New York University School of Medicine
New York, New York
1965 - 1969, M.D.

POST-GRADUATE TRAINING:

INTERNSHIP

Straight Medicine
Bronx Municipal Hospital Center
The Bronx, New York
1969 - 1970

POST-GRADUATE TRAINING: (cont.)

RESIDENCY, Diagnostic Radiology
(Harold G. Jacobson, Chairman)
Montefiore Hospital and Medical Center
The Bronx, New York
1970 - 1973

FELLOWSHIPS, Neuroradiology
(Dr. Irvin I. Kricheff, Director)
New York University Medical Center
New York, New York
1973 - 1975

MILITARY SERVICE:

None

SPECIALTY BOARD:

Diplomate - Diagnostic Radiology
American Board of Radiology - June 23, 1974

Certificate of Added Qualifications —Neuroradiology
American Board of Radiology Feb. 25, 1995

CURRENT LICENSES:

New York (1970) #107941

CLINICAL APPOINTMENTS:

Clinical Assistant Professor of Radiology
New York University Medical Center
N.Y.U. School of Medicine
New York, New York; 1974-1975

Attending Radiologist
Montefiore Hospital and Medical Center
The Bronx, New York; 1975 - 1977

Consultant and Lecturer in Bone Radiology
and Computerized Tomography
Long Island College Hospital; 1975 - 1977

Consultant in Neuroradiology
Elmhurst City Hospital
Queens, New York; 1976 - 1977

Attending Radiologist
Washington University School of Medicine
St. Louis, Missouri; 1977 - 1980

Consultant in Neuroradiology
Max C. Starloff Memorial Hospital
St. Louis, Missouri; 1977 - 1980

Director of Neuroradiology (1980-1986)
Director, Division of Neuroimaging (1986-1988)
The Children's Memorial Hospital
Chicago, Illinois

Consultant in Neuroradiology
Shriners' Hospital for Crippled Children
Chicago, Illinois; 1980 - 1988

Director of Neuroradiology
Medical Director of MR and CT Imaging
Department of Radiology
Baptist Hospital of Miami
Miami, Florida
January 1, 1988 - October 30, 1998

Director of Neuroradiology
Department of Radiology
Mount Sinai Medical Center
New York, New York
November 1, 1998 - Present

Instructor in Radiology
New York University School of Medicine
New York, New York 1973-1975

Assistant Professor of Radiology
Albert Einstein College of Medicine
The Bronx, New York, 1975-1977

Assistant and Associate Professor of Radiology
Mallinckrodt Institute of Radiology
Washington University School of Medicine
St. Louis, Missouri 1978-1979

Associate Professor of Radiology
Mallinckrodt Institute of Radiology

Washington University School of Medicine
1979-1980
Associate and Full Professor of Radiology
Northwestern University Medical School
Chicago, Illinois 1980-1982

Professor of Radiology
Northwestern University Medical School
Chicago, Illinois 1982 - 1988

Director of Neuroradiology
Clinical Professor of Radiology
The Baptist Hospital of Miami
University of Miami School of Medicine
Miami, Florida 1988 – 1998

Professor of Radiology
Professor of Neurosurgery
Director of Neuroradiology Fellowship
Training Program
Mount Sinai School of Medicine
New York, New York
November 1998 – Present

Vice-Chairman of Radiology for Academic Affairs
Mount Sinai School of Medicine
New York, New York
February 2002 – Present

Director, Clinical Imaging Research Core
Mount Sinai Medical Center, New York
2001- 2005

The Irving and Dorothy Regenstreif Research
Professor of Neurosciences (Neuroimaging)
Sept 2002 – Present

SOCIETY MEMBERSHIPS:

Chicago Neurological Society (1982-1987)

Chicago Radiological Society (1980-1987)

Illinois Radiological Society (1980-1987)

The South Florida Radiological Society (1988-1998)

The Radiological Society of North America

American Roentgen Ray Society

American College of Radiology

The Society for Pediatric Radiology

American Society of Neuroradiology

American Society of Pediatric Neuroradiology

American Society of Head and Neck Radiology

Stroke Council of the American Heart
Association

Swiss Society of Neuroradiology

The European Society of Neuroradiology
(Corresponding Member, also Honorary Member)

SILAN (Sociedad Ibero-latinoamericana de
Neuroradiología)

NY Roentgen Society

**OFFICES and
COMMITTEE MEMBERSHIPS:**

Member, Task Force on Computed Tomography
Central Health Planning Agency New York,
New York, 1975 - 1977

Member, Committee on Diagnostic Coding
Index and Thesaurus
Radiological Society of North America
1975 - 1978

Member, Audit Committee
American Society of Neuroradiology 1976 - 1977

Member, Committee for Tutorial Courses American
Society of Neuroradiology 1978 - 1981

Member, Program Committee
Chicago Radiological Society
1980 - 1982, 1985 - 1987

Chairman, Neuroradiology Club of Chicago
1980 - 1982, 1984 - 1987

Chairman, Nominating Committee
American Society of Neuroradiology
1981 - 1982

Chairman, Local Committee on Credentials/Hospitality
Radiological Society of North America
Chicago, 1981

Member, Committee on Audiovisual Aids for the
XII Symposium Neuroradiologicum
Washington, DC, 1982

Member, Committee on Professional Self-Evaluation and
Continuing Education,
Section in Neuroradiology
American College of Radiology 1982 - 1985

Member, Committee on Ultrasound
American Society of Neuroradiology
1983 - 1985, 1986-1988

Member, RadioGraphics Selection Panel on

Computed Tomography, Radiological Society of North America
1982 - 1983

Trustee I, Executive Committee
Chicago Radiological Society, 1983

Trustee II, Executive Committee
Chicago Radiological Society, 1984

Trustee III, Executive Committee
Chicago Radiological Society 1985

Member, Membership Committee
American Society of Neuroradiology 1983 - 1985

Chairman, Membership Committee
American Society of Neuroradiology 1985 - 1986

Member, Medico-legal Committee
Children's Memorial Hospital 1987

Member, Program Committee
American Society of Neuroradiology 1986-1989
and 1993-1996

Member, Intersociety Liaison Committee
American Society of Neuroradiology 1986-1987

Member, Local Arrangements Committee
American Society of Neuroradiology 1987-1988

Local Chairman, Scientific Exhibits Committee
Radiological Society of North America 1987

Member, Committee on Magnetic Resonance Imaging,
American Society of Neuroradiology 1988-1989

Reviewer for Program Committee
Society of Magnetic Resonance in Medicine
1988-1990

Member, Scientific Program Committee
XIV Symposium Neuroradiologicum 1990

Co-Chairman, Program Committee
American Society of Neuroradiology
1990-1991

Radiological Society of North America
Program Committee, Subcommittee on
Neuroradiology/Head & Neck
1991, 1992

Member, Medical Risk Management Committee, Baptist Hospital,
1991 - 1998

Member, Ethics Committee
Baptist Hospital, 1991 - 1992
Treasurer, American Society of Neuroradiology
1991 - 1993

Member, Medical Education Committee
Baptist Hospital, 1993-1995

Member, Quality Assurance Committee
Baptist Hospital, 1993-1994

Nominating Committee, American Society of Pediatric
Neuroradiology 1993-1994

Vice President,
American Society of Pediatric Neuroradiology,
1993 –1994

President,
American Society of Pediatric Neuroradiology
1994-1995
Pediatric Representative to the ASNR, 1994-1995

Pediatric Neuroradiology Subcommittee on Training and
Standards of the ASNR, 1994-1995

Alternate Delegate to the World Federation of Neuro-
radiological Societies, 1994

Chairman and Member, Constitution and Bylaws Committee, World
Federation of Neuroradiological Societies, 1994 -1998

Examination Committee, American Board of Radiology,
Certificate of Added Qualifications in Neuroradiology
1993-1996

Delegate, Radiology
Faculty Practice Committee
Mount Sinai Medical Center

Scientific Committee, European Society of Head and
Neck Radiology 1999 (Bruges, Belgium)

Chair, Education Committee
SILAN, 1998, 1999, 2000, 2002

Liaison to European Society of Neuroradiology from the
ASNR, 2000 (Intersociety Liaison Advisory Group)

Subcommittee of Education, ASNR 2000

World Federation of Neuroradiological Societies
Commission on Training and Standards June 2000

XVII Symposium Neuroradiologicum
Paris, 18-24 August 2002
Co-Chairman: Committee on Morphological and Functional
Neuroradiology

Secretary-Treasurer
New York Roentgen Society
2001-

KEY AWARDS, PRIZES AND HONORS:

Cornelius Dyke Award for Original Research, American Society of Neuroradiology - 1975

The Caffey Award for Original Research, The Society for Pediatric Radiology - 1983

Honorary Membership in the European Society of Neuroradiology, 1999

First Special Recognition Award in Pediatric Neuroradiology "for pioneering contributions to pediatric neuroradiology" Granted by The American Society of Pediatric Neuroradiology, Atlanta, GA. April, 2000.

The Annual James Bull Medal, The British Society of Neuroradiology, Bristol, England, 2000

Gold Medal 2001 (First gold medal ever awarded for Contributions in Diagnostic Radiology by SILAN: Sociedad Iberolationamericano de Neurorradiologia, The Official Society of Neuroradiology for all of Spain, Portugal, Mexico, Central America and South America).

Honorary Membership: The British Society of Neuroradiology, 2003

Honorary Membership: The Swiss Society of Neuroradiology, 2003

OTHER AWARDS AND HONORS:

Phi Beta Kappa, Cornell University - 1965

Alpha Omega Alpha, New York University School of Medicine - 1969

Tausend Grant for Advancement of Diagnostic Radiology - 1973

Raphex Examination Radiological and Medical Physics Society of New York, 1973 - 1st Place (tied)

Henry L. Moses Award for the Most Significant Paper Published from Montefiore Hospital and Medical Center, The Bronx, New York - 1976

Honorary Member - The Rocky Mountain Radiological Society - August 1981

Board Examiner - American Board of Radiology - 1984, 1985, 1986

Board Examiner, First CAQ oral Examination in Neuroradiology; 2/1995; Board examiner for CAQ examination, 1995, 1996 (x2), 1997, 1999.

Opening Speaker, First Educational Seminar on Neurosonography. American Society of Neuroradiology. New Orleans - Feb. 1985

Keynote Speaker, "Developmental Neuropathology." American Society of Neuroradiology. San Diego - Jan. 1986

Fellow, American College of Radiology, Cincinnati - 1988

Opening Speaker, Radiological Society of North America. Practical Spine Imaging: Update 1989. Sunday, Nov. 26, 1989.

Honorary Member, Florida West Coast Radiological Society, 1990

Honorary Member, Chicago Radiological Society, 1993

Honorary Member — Sociedad Uruguaya de Neurradiologia (S.U.N.R.A.) 10/97 in recognition of support as a leader scientist to Latin American Neuroradiology.

The Bucy Award for Excellence in Neurosurgical Teaching – 1999

Honorary Member, Columbian Society of Neuroradiology, August 15, 1999

Gaisman Teaching Enhancement Award with Drs. Karen Hague and C. Sen, Mount Sinai Medical Center, NY, 1999. To establish a course entitled "The Neurosurgical Patient: An Interdisciplinary Approach."

Honorary Member, The Lucien Appel Foundation, Antwerp, Belgium. Judge: Lucien Appel Prize 2000.

"Best Teacher of the Year" Award, Mount Sinai Medical Center,
Department of Neurology (first time ever for a non-neurologist). 2000

"Best Teacher of the Year" Award, Mount Sinai Medical Center,
Department of Neurology (Reprise) 2004

Selected for inclusion in **Best Doctors in America (Neuroradiology)** 1994-1995,
2001-2002, 2003

Selected for inclusion in **Who's Who in America** 2001, 2002, 2003, 2004, 2005
Who's Who in the World 2002, 2003, 2004, 2005, 2006
Who's Who in American Education 2004-2005, 2006-2007
Who's Who in Science and Engineering 2002-2003, 2003-2004, 2005-2006
Who's Who in Medicine and Health Care 2002-2003, 2004-2005

Appointed Honorary Senior Registrar, National Hospital for Nervous and Mental Diseases, Queen Square, London, 2003-2006

Appointed Fellow of the New York Academy of Medicine, July 15, 2003

NAMED LECTURESHIPS AND PROFESSORSHIPS:

"Philip J. Hodes M.D. Visiting Professor" - University of Miami/Jackson Memorial Medical Center
1/12/1984

"Preston Robb Lecture" - McGill University, The Montreal Children's Hospital, Montreal, Canada - 11/3/1985

"H. Joseph Cronin Lecture" - Indiana Radiologic Society, Indiana University Medical School, Indianapolis, Indiana 12/3/1985

"2nd BNI John R. Green Neuroimaging Oratory" - 3rd Annual Magnetic Resonance Imaging Conference of the Barrow Neurological Institute. Phoenix, Arizona 3/6/1989

Mayneord Lecture" - Radiology '89, Annual Congress of the British Institute of Radiology, Eastbourne, United Kingdom 5/5/1989.

Knight Visiting Professor, The Miami Project to Cure Paralysis, University of Miami School of Medicine/Jackson Memorial Medical Center. Miami, Florida 9/7/1988. "Spinal Imaging: Sectional Anatomy and Trauma."

Juan M. Taveras - Lectureship: Analysis of the Central Sulcus and Adjacent Gyri in Axial CT and MRI." Neuroradiology, Head and Neck Radiology and Neuro-MRI, Harvard Medical School. Boston, Massachusetts, 10/8/1996

Oliphant Lectureship of the Australian New Zealand Society of Neuroradiology. From DNA to MRI. 3rd AOCNHNR, Adelaide, Australia, 1999

Ernest H. Wood Lecture. University of North Carolina School of Medicine. Radiologic Impact of the New Genetic Revolution. September 23, 2000.

James Bull Lectureship of the British Society of Neuroradiology. From DNA to MRI. Bristol, England. October 13-14, 2000

RESEARCH ACTIVITIES AND GRANTS:

PRIMARY INVESTIGATOR: Multicenter Open-label Study of Gadolinium DTPA/ dimeglumine as an MRI Contrast Agent in Pediatric Patients Presenting with Symptoms of Central Nervous System Lesions. Funding for 20 patients, \$40,000.00 July - November 1987. Funded by Berlex Laboratories Inc.

PRIMARY INVESTIGATOR: Study of magnetic resonance imaging at RF power deposition rates up to 2 w/kg whole body average specific absorption rates (SAR). May 1988 to present. Funded by General Electric Medical Systems.

PRIMARY INVESTIGATOR: Clinical and technical evaluation of GE small neck surface coil to evaluate and utilize the new surface coil in the Signa System for the detection and characterization of disease. July 1988- November 1988. Funded by General Electric Medical Systems.

CO-INVESTIGATOR: Grant Award from National Institute of Neurological Disorders and Stroke. \$600,000 total over 5 years. **STUDY OF CELLULAR THERAPY IN CHRONIC SPINAL CORD INJURY.** Awarded to

The University of Miami School of Medicine - THE MIAMI PROJECT TO CURE PARALYSIS, Grant #5PO1NS28059-04.

PRIMARY INVESTIGATOR: Contrast Enhanced CT of the Body. Randomized Double-Blind Comparison of Iodixanol (270 or 320 mgI/ml) and Omnipaque (r) (300 mgI/ml) in Adult Patients. 75 patients and/or 6 months. Sponsored by Sterling Drugs. February 1992.

PRIMARY INVESTIGATOR: Rapid SPGR PSD Evaluation and Thick Slab Fast Spin Echo Pulse Sequence Evaluation. General Electric Medical Systems, 200-400 Patients over six months. September 1991, amendment for Thick Slab Fast Spin Echo submitted and approved, March 1992.

PRIMARY INVESTIGATOR: 3D Time-of-Flight Angiography Pulse Sequence with Magnetization Transfer and SLR Excitation Pulses (MTSLR) versus and multiple overlapping thin slab acquisition (MOTSA) with or without MTSLR (MOTSA-MTSLR). General Electric Medical Systems

PRIMARY INVESTIGATOR: Magnetic Resonance Imaging Changes in Ethnic Groups with Neurogenic Hypertension. NIDDM (part of larger study of multiple ethnic groups): \$99,000.

Consultant to Core C (Neuropathology/ Brain Bank) Grant PO1 AG14382. Grant Funded as of 6-1-02 through 5-31-07.

“Age-related Neurodegenerative Disease in Micronesia” (Dan Perl, PI of Core C; Douglas Glasko MD, P//I of the overall grant)

CHARTER Igor Grant MD PI, Susan Morgello and David Simpson Co-Pis (TN cited for 5% salary support, to be funded this Spring)

INVESTIGATOR : Minimally Invasive Surgery plus rt-PA for ICH Examination (MISTIE) NIH/NINDS IND # 8523 (Joshua Bederson PI at Mt. Sinai Medical Center, New York

CONSULTANT: Study of the safety, tolerability and efficacy of spheramine implanted bilaterally into the postcommissural putamen of patients with advanced Parsinson’s disease. Clinical Study Protocol No. 305405 Berlex 5-11-05

CO-INVESTIGATOR: Grant #: 1R01 DC007847 **NEURAL MECHANISMS OF MOTION SICKNESS** National Institute of Deafness and Other Communication Disorders (NIDCD). **Mingjia Dai, Ph.D., Principal Investigator:**

Amount of grant total: \$250,000/year in Direct Costs - 1.25 million over the 5 year period.

**EDITORIAL POSITIONS
AND REVIEWERSHIPS:**

Editorial Board, NEURORADIOLOGY
U.S. Editor-in-Chief 1980-1991
Chairman, Editorial Board, 1991 - 1993

Official Journal of the European Society of Neuroradiology and the
Japanese Society of Neuroradiology

Founding Editor-in-Chief and Chairman of the Editorial Board,
INTERNATIONAL JOURNAL OF NEURORADIOLOGY,
1994 - 2000

Associate Editor, CHILD'S BRAIN
1982 - 1985

Associate Editor, PEDIATRIC NEUROSCIENCES,
PEDIATRIC NEUROSURGERY
(One of two successors to CHILD'S BRAIN)
1985 - 1991, 1997- 2002

Managing Editor, SURGICAL and RADIOLOGIC ANATOMY
1991-1997

Editorial Board, JOURNAL OF COMPUTER ASSISTED
TOMOGRAPHY 1984 to 1988

Editorial Board, PEDIATRIC RADIOLOGY
1985 to 1989

Editorial Board: AMERICAN JOURNAL OF
NEURORADIOLOGY, 1990 – 1997 and 2000 - Present

International Scientific Committee:
RIVISTA DI NEUROSCIENZE PEDIATRICH, (Journal of
Pediatric Neurosciences) Official Journal of the Italian Association
for the Child with Hydrocephalus or Spina Bifida, 1987 – 1990

**PRESENTLY REVIEWER IN
NEURORADIOLOGY FOR:**

AMERICAN JOURNAL OF NEURORADIOLOGY

BRAIN

NEURORADIOLOGY

NEUROSURGERY

RADIOLOGY

EDITOR, SPECIAL ISSUES OF JOURNALS:

NEURORADIOLOGY

Naidich, T. P. with Fulling, K.H.:
Special Issue on Congenital Malformations of the Brain,
Neuroradiology 25, No. 4, 1982

Naidich, T. P., with Quencer, R.M.:
Special Issue on Neurosonography,
Neuroradiology , Vol. 28, No. 5/6, 1986

**AMERICAN JOURNAL OF
NEURORADIOLOGY**

Naidich, T. P. **Special Issue on Imaging the Developing
Brain, AJNR No. 13: No. 2, 1992**

**NEUROIMAGING CLINICS OF
NORTH AMERICA**

Barkovich, AJ and Naidich, TP. **Special issue on
Pediatric Neuroradiology** Vol 4, No. 2, 1994

Naidich, TP, Yousry, TA, Matthews, VP.
Anatomic Basis of Functional MR Imaging
Volume 11, No. 2. May 2001

Bowen B, Maravilla K, Naidich TP
Peripheral Neuropathies. Volume 14, No.1. February 2004

BOOKS PUBLISHED:

Naidich, T.P., Quencer, R.W. (eds): CLINICAL NEUROSONOGRAPHY, ULTRASOUND OF THE CENTRAL NERVOUS SYSTEM. Berlin, Heidelberg, New York, Springer-Verlag, 1987

Valavanis, A., Schubiger, O., Naidich, T.P.: **CLINICAL IMAGING OF THE CEREBELLO-PONTINE ANGLE.** Berlin, Heidelberg, New York, Springer-Verlag, 1987

Daniels, D.L., Haughton, V.M., Naidich, T.P.: **CRANIAL AND SPINAL MAGNETIC RESONANCE IMAGING. AN ATLAS AND GUIDE.** New York, Raven Press, 1987

Duvernoy, Henri M. *in Collaboration with Cattin F, Fatterpekar G, Naidich Th, Raybaud Ch, Risold PY, Salvolini U, & Scarabino T.* **THE HUMAN HIPPOCAMPUS ANATOMY, VASCULARIZATION AND SERIAL SECTIONS WITH MRI. 3rd EDITION.** Berlin, Springer-Verlag,, 2005.

Naidich, T.P. and Duvernoy Henri M.: THE HUMAN BRAIN STEM AND CEREBELLUM. Springer-Verlag, Wein, New York (in late stages of preparation).

EDITORIALS:

1. **Naidich, T.P.: NOTES AND IMPRESSIONS FROM MEETINGS. XII SYMPOSIUM NEURORADIOLOGICUM, WASHINGTON DC, October 10-16, 1982.** Journal of Computer Assisted Tomography 1983; 7:177-178.
- Summarized and paraphrased in Diagnostic Imaging 5(5):2, 1983
2. **Naidich, T.P., Fulling, K.H.: EDITORIAL: CONGENITAL MALFORMATIONS OF THE BRAIN.** Neuroradiology 1983; 25:177
3. **Quencer, R.M., Naidich, T.P.: OPINION: SONOGRAPHY AND NEURODIAGNOSIS (NEUROSONOGRAPHY).** American Journal of Neuroradiology 1985; 6:123-125.
4. **Naidich, T.P., Quencer, R.M.: EDITORIAL: NEUROSONOGRAPHY.** Neuroradiology 1986; 28(5/6):379.
5. **Naidich, T.P., McLone, D.G.: EDITORIAL: WORKING AND LEARNING TOGETHER: NEURORADIOLOGY AND NEUROSURGERY.** Pediatric Neuroscience 1985-1986; 12(6):286-288 (released Sept. 1987).
6. **Naidich, T.P.: PREFATORY NOTE.** American Journal of Neuroradiology 1992; 13:420.
7. **Naidich, T.P.: EDITORIAL: ENCOMPASSING COMPASSION.** American Journal of Neuroradiology 1992; 13:827-828.
8. **Barkovich, AJ, Naidich, T.P.: Preface, Pediatric Neuroradiology Neuroimaging Clinics of North America.** 1994; 4(2):xi.

9. **Naidich, T.P.**, Osborn, Anne G.: **EDITORIAL: The International Journal Of Neuroradiology.** 1995; 1(1):1-2
10. **Naidich, T.P.**, Osborn, Anne G.:**EDITORIAL, Learning Strategies.** The International Journal of Neuroradiology 1995; 1(2):125-126.
11. **Naidich, T.P.**, Osborn, Anne G.:**EDITORIAL, Early U.S. Experience with Subspecialty Recognition: CAQ Certification Benefits Neuroradiology and the Public.** The International Journal of Neuroradiology 1996; 2(1):1-2.
12. **Naidich, T.P.**, Osborn, Anne G.:**EDITORIAL, With Pride and Gratitude.** The International Journal of Neuroradiology 1996; 2(5):413.
13. **Naidich, T.P. EDITORIAL, Presenting Well.** The International Journal of Neuroradiology 1996; 2(6):501-509.
14. **Naidich, T.P. EDITORIAL, Seeking Fame.** The International Journal of Neuroradiology 1997; 3(2):93.
15. Osborn, A.G., **Naidich, T.P. EDITORIAL, Moderating Scientific Sessions.** The International Journal of Neuroradiology 1997; 3(4):265-269.
16. **Naidich, T.P. EDITORIAL, Preparing for Successful Interviews.** The International Journal of Neuroradiology. 1998 4(2):75-80.

PEER REVIEWED PUBLICATIONS & CHAPTERS (Chronological Order):

1. **Naidich, T.P.**, Sprayregen, S., Goldman, A.G., Siegelman, S.S.: **RENAL ARTERY ALTERATIONS ASSOCIATED WITH PHEOCHROMOCYTOMA**. *Angiology* 23:488-499, September 1972
 - Excerpta Year Book of Cardiovascular Medicine and Surgery, 1973, p 274
2. **Naidich, T.P.**, Siegelman, S.S.: **PARAARTICULAR SOFT TISSUE CHANGES IN SYSTEMIC DISEASES**. *Seminars in Roentgenology* 8:101-116, January 1973
3. **Naidich, T.P.**, Bartelt, D., Wheeler, P.S., Stern, W.Z.: **METALLIC MERCURY EMBOLI**. *American Journal Roentgenology, Radium Therapy and Nuclear Medicine* 117:886-891, April 1973
4. Sprayregen, S., Strasberg, Z., **Naidich, T.P.**: **MEDULLARY SPONGE KIDNEY AND CONGENITAL TOTAL HEMIHYPERTROPHY**. *New York State Journal of Medicine* 73:2766-2772, Dec. 1973
5. Passalacqua, A.M., Braunstein, P., Kricheff, I.I., **Naidich, T.P.**, Chase, N.E.: **CLINICAL COMPARISON OF RADIONUCLIDE BRAIN IMAGING AND COMPUTERIZED TRANSMISSION TOMOGRAPHY II** (in) H.J. DeBlanc Jr, J.A. Sorenson, (eds): *Non-Invasive Brain Imaging Computed Tomography and Radionuclides*. New York; The Society of Nuclear Medicine Inc, 1975, Chapter 10, pp 173-181
6. **Naidich, T.P.**, Chase, N.E.: **USE OF COMPUTERIZED AXIAL TOMOGRAPHY IN EVALUATION OF CEREBROVASCULAR DISEASE**. *Current Concepts of Cerebrovascular Disease-Stroke* 10:19-24 1975
7. Lin, J.P., Kricheff, I.I., Laguna, J., **Naidich, T.P.**: **BRAIN TUMORS STUDIED BY COMPUTERIZED TOMOGRAPHY**. *Advances in Neurology*, Vol 15. New York; Raven Press, 1976, pp 175-199
8. Shulman, K., Leeds, N., **Naidich, T. P.**, Shapiro, K.: **THE USE OF THE CT SCANNER IN THE PATIENT WITH MYELOYDYSPLASIA**. (in) R.L. McLaurin, (ed): *Myelomeningocele*. New York; Grune and Stratton, 1977, pp 263-272
9. **Naidich, T.P.**, Kricheff, I.I.: **THE ANTERIOR INFERIOR CEREBELLAR ARTERY IN PROFILE. ANATOMIC-RADIOGRAPHIC CORRELATION IN THE LATERAL PROJECTION** (in) G. Salamon (ed): *Advances in Cerebral Angiography*. Berlin; Springer Verlag, 1975, pp 74-81
10. **Naidich, T.P.**, Kricheff, I.I., George, A.E., Lin, J.P.: **THE NORMAL ANTERIOR INFERIOR CEREBELLAR ARTERY: ANATOMIC-RADIOLOGIC CORRELATION WITH EMPHASIS ON THE LATERAL PROJECTION**. *Radiology* 119:355-373, April 1976
 - Cornelius Dyke Award - American Society of Neuroradiology, 1975
 - Excerpta Year Book of Diagnostic Radiology, 1977, pp 89-92

PEER REVIEWED PUBLICATIONS & CHAPTERS (cont.):

11. **Naidich, T.P., Kricheff, I.I., George, A.E., Lin, J.P.: THE ANTERIOR INFERIOR CEREBELLAR ARTERY IN MASS LESIONS: PRELIMINARY FINDINGS WITH EMPHASIS ON THE LATERAL PROJECTION.** Radiology 119:375-383, April 1976
 - Excerpta Year Book of Diagnostic Radiology, 1977, pp 89-92
 - Excerpta Year Book of Neurology and Neurosurgery, 1978, pp 292-294
12. **Naidich, T.P., Epstein, F., Lin, J.P., Kricheff, I.I., Hochwald, G.M.: EVALUATION OF PEDIATRIC HYDROCEPHALUS BY COMPUTED TOMOGRAPHY.** Radiology 119:337-345, May, 1976
13. **Epstein, F., Naidich, T.P., Chase, N.E., Kricheff, I.I., Lin, J.P., Ransohoff, J.: ROLE OF COMPUTERIZED AXIAL TOMOGRAPHY IN DIAGNOSIS AND TREATMENT OF COMMON NEUROSURGICAL PROBLEMS OF INFANCY AND CHILDHOOD.** Child's Brain 2:111-131, 1976
14. **Naidich, T.P., Pinto, R.S., Kushner, M.J., Lin, J.P., Kricheff, I.I., Leeds, N.E., Chase N.E.: EVALUATION OF SELLAR AND PARASELLAR MASSES BY COMPUTED TOMOGRAPHY.** Radiology 120:91-99, July 1976
15. **Naidich, T.P., Lin J.P., Leeds N.E., Kricheff I.I., George, A.E., Chase N.E., Pudlowski R.M., Passalacqua A.: COMPUTED TOMOGRAPHY IN THE DIAGNOSIS OF EXTRA-AXIAL POSTERIOR FOSSA MASSES.** Radiology 120:333-339, August 1976
16. **Naidich, T.P., Kricheff, I.I.: COMPUTED TOMOGRAPHY OF THE HEAD IN CHILDREN.** Postgraduate Medicine 60:123-129, August 1976
17. **Lin, J.P., Pay, N., Naidich, T.P., Kricheff, I.I., Wiggli, U.: COMPUTED TOMOGRAPHY IN THE POSTOPERATIVE CARE OF NEUROSURGICAL PATIENTS.** Neuroradiology 12:185-189, 1977
18. **Naidich, T.P., Pudlowski, R.M., Leeds, N.E., Naidich, J.B., Chisolm, A.J., Rifkin, M.D.: THE NORMAL CONTRAST ENHANCED COMPUTER AXIAL TOMOGRAM OF THE BRAIN.** Journal of Computer Assisted Tomography 1:16-29, January 1977
19. **Naidich, T.P.: INFRATENTORIAL MASSES** (in) D. Norman, M. Korobkin, T.H. Newton (eds): Computed Tomography 1977. St Louis; C.V. Mosby Co, 1977, pp 231-242
20. **Naidich, T.P.: TRAUMA** (in) D. Norman, M. Korobkin, T.H. Newton (eds): Computed Tomography 1977. St. Louis; C. V. Mosby Co, 1977, pp 301-316
21. **Zimmerman, R.D., Leeds, N.E., Naidich, T.P.: RING BLUSH ASSOCIATED WITH INTRACEREBRAL HEMATOMA.** Radiology 122:707-711, March 1977
22. **Braun, I.F., Naidich, T.P., Leeds, N.E., Koslow, M., Zimmerman, R.D., Chase, N.E.: DENSE INTRACRANIAL EPIDERMOID TUMORS: COMPUTED TOMOGRAPHIC OBSERVATIONS.** Radiology 122:717-719, March 1977
23. **Zimmerman, R.D., Leeds, N.E., Naidich, T.P.: CAROTID CAVERNOUS FISTULA ASSOCIATED WITH INTRACRANIAL FIBROMUSCULAR DYSPLASIA.** Radiology 122:725-726, March 1977
24. **Naidich, J.B., Naidich, T.P., Garfein, C., Liebeskind, A.L., Hyman, R.A.: THE WIDENED INTERSPINOUS DISTANCE: A USEFUL SIGN OF CERVICAL DISLOCATION IN THE SUPINE FRONTAL PROJECTION.** Radiology 123:113-116, April 1977
 - Excerpta Year Book of Diagnostic Radiology, 1978, pp 1398-1399
 - Excerpta Lusted LB, Keats TE: Atlas of Roentgenographic Measurement. 4th Edition. Chicago: Year Book Publishers Inc. 1978, p 116
 - 5th Edition. Chicago: Year Book Publishers, Inc. 1985
 - 6th Edition, Keats, TE, St. Louis, Mosby, 1990, p. 179
 - Excerpta Eisenberg RL: Atlas of Signs in Radiology. Philadelphia: JB Lippincott Co, 1984, p. 402

25. Leeds, N.E., Naidich, T.P.: **COMPUTERIZED TOMOGRAPHY IN THE DIAGNOSIS OF SELLAR AND PARASELLAR LESIONS.** Seminars in Roentgenology 12:121-135, April 1977
26. Naidich, T.P., Pudlowski, R.M., Waldbaum, R.S., Hyman, R.A., Stein, H.L.: **ANGIOGRAPHIC PATTERNS OF POSTTRAUMATIC RENAL SCARRING.** American Journal of Roentgenology 128:729-732, May 1977
27. Naidich, T.P., Kricheff, I.I., Leeds, N.E., Pudlowski, R.M., Naidich, J.B., Zimmerman, R.D.: **THE TENTORIUM IN AXIAL SECTION. I. NORMAL CT APPEARANCE AND NON-NEOPLASTIC PATHOLOGY.** Radiology 123:631-638, June 1977
 - Excerpta Year Book of Radiology, 1979, p. 75-78
 - Excerpta Year Book of Neurology and Neurosurgery, 1979
28. Naidich, T.P., Kricheff, I.I., Leeds, N.E., Pudlowski, R.M., Naidich, J.B., Zimmerman, R.D.: **THE TENTORIUM IN AXIAL SECTION. II. LESION LOCALIZATION.** Radiology 123:639-648, June 1977
 - Excerpta Year Book of Radiology, 1979, p. 78-80
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MAGNETIC RESONANCE IMAGING IN DISEASES OF THE NERVOUS SYSTEM: AN INTRODUCTION. Ivan Moseley, Boston: Blackwell Scientific, 1988. *NEW ENGLAND JOURNAL OF MEDICINE* 320(26):1758-1759, 1989.

PEDIATRIC NEUROIMAGING A. J. Barkovich, *AMERICAN JOURNAL OF NEURORADIOLOGY* (IN PRESS).

FORWARDS:

COMPUTED TOMOGRAPHY OF CNS DISEASE: A TEACHING FILE. Douglas H. Yock, Jr., Chicago: Yearbook Medical Publishers. 1985

PEDIATRIC NEUROLOGY AND NEURORADIOLOGY. CRANIAL DISEASES. Claus Diebler, Olivier Dulac, Berlin, Heidelberg, New York: Springer-Verlag. 1987

IMAGING OF CNS DISEASE: A CT AND MR TEACHING FILE. Second Edition. Douglas H. Yock, Jr., St. Louis, Mosby Year Book. 1991

COURSE DIRECTORSHIPS:

Course Director: Ultrasound Seminar, American Society of Neuroradiology. New Orleans, Louisiana, 2/18-23/1985. .

Course Director for Neuroradiology Section. Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 1987, 1988, 1989, 1990, 1991, 1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007

Co-Program Chairman with Victor M. Houghton and Robert M. Quencer: Imaging the Central Nervous System. Presented by The Medical College of Wisconsin, Tucson, Arizona 1988, 1989, 1990, 1991.

Course Director: IMAGING THE DEVELOPING BRAIN, presented by the American Society of Neuroradiology, Washington, D.C., 6/7-8/1991.

Course Director for Neuroradiology: Annual Course on Neuroanatomic and Neuroradiologic Applications in Neurology and Neurosurgery. .

First: The Cortex. Munich, Germany, November 19-21, 1998

Second: The Basal Ganglia, Thalamus and Brainstem. Munich, Germany, November 11-14, 1999.

Third: The Cortex. Munich, Germany, November 15-18, 2000.

Fourth: Queen Square, London. March 27-30, 2004

Fifth: Queen Square, London. March 27-30, 2005

Sixth: Queen Square, London. March 27-30, 2006

Seventh: Queen Square, London. March 16-19, 2006

Course Director, Didactic Course in Diagnostic Neuroradiology (in Spanish).

SILAN 1997, Quito, Ecuador, Oct. 12 – 18, 1997

SILAN 1998, Porto, Portugal, Jun. 12 – 16, 1998

SILAN 1999, La Coruna, Spain, Sept. 14 – 17, 1999

SILAN 2000, Punta del Este, Uruguay, Dec. 10 – 14, 2000

SILAN 2002, Pinchon, Chile, Nov. 11 – 16, 2002

Course Director. "Update: Brain, Spine, Neurovascular and ENT Imaging."

Mount Sinai Hospital Course, The Plaza Hotel, New York, NY,

1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006

Course Director Neuro/ENT Imaging: Review and Update.

Mount Sinai Spring course, Naples, Florida (March)

2001, 2002, 2003, 2004, 2005, 2006

Course Co-Director: Neurosurgery and Neuroradiology Training Program

Year-long, weekly course for trainee:

2005-2006: The Cranial Nerves

2006-2007: The Cerebrum and Cerebellum

SCIENTIFIC EXHIBITS:

1. MR Microscopy of the Normal Human Brain: Cerebrum, Cerebellum and the Deep Gray Nuclei. Fatterpekar GM, Delman BN, Boonn W, Aguinaldo JG, Itskovich VV, Sherwood CC, Wolfe D, Hof PR, Drayer BP, Gultekin HS, Fayad ZA, **Naidich TP**. ASNR Vancouver 2002

MAGNA CUM LAUDE AWARD.

2. Taking Diffusion-Weighted Imaging Beyond Stroke: A Pictorial Essay with Pathologic Correlation. Fatterpekar GM, Delman BN, Gultekin HS, Rice H, Gentile J, Tang CY, Castillo M, Drayer BP, **Naidich TP**. ASNR Vancouver 2002
3. The Infant Skull: a Vault of Information. Glass RBJ, Norton KI, Fernbach S, Choi PS, Naidich TP. RSNA Chicago 2002

CERTIFICATE OF MERIT AWARD

4. Recent Advances in the Cytogenetics and the Molecular Biology of the Phakomatoses: Implications on Diagnosis and Management. Vibhute P, Bazan C, Fatterpekar GM, Shroff MM, Prasad SR, Naidich TP. RSNA 2006 LL-NR4716 (page 871 in program).

CUM LAUDE AWARD (Invited for publication in RadioGraphics)

5. Recent Advances in the Mitochondrial Neurodegenerative Disorders and Hereditary Tumor Syndromes: A Radiologic-Pathologic Update. Vibhute P, Fatterpekar GM, Bazan C, Prasad SR, Naidich TP, Som PM. RSNA 2006 LL-NR4764 (page 877 in program)

(Invited for publication in RadioGraphics).

PRESENTATIONS AND GUEST LECTURESHIPS (SINCE JANUARY 1, 1980) :

Guest Faculty: University of California San Francisco, Course in Neuroradiology. San Francisco, 1/28-2/2/1980. "Myelography," "CT Evaluation of Hydrocephalus" "Posterior Fossa Tumors."

Guest Faculty: EMI Tutorial in Computerized Tomography. Mexico City, 3/26-28/1980 "High Resolution CT."

Visiting Professor in Neuroradiology: The Johns Hopkins Hospital. Baltimore, 4/28-29/1980.

Guest Faculty: The American Academy of Neurology. New Orleans, 4/30/1980. "CT Evaluation of Deep Supratentorial Lesions," "CT Evaluation of Hydrocephalus," "High Resolution CT of the Spinal Cord."

Guest Faculty: AECOM Course in Neuroradiology. New York, 5/13-16/1980 "High Resolution CT of the Spine," "CT Evaluation of Hydrocephalus," "CT Evaluation of Deep Supratentorial and Incisural Lesions."

Guest Faculty: 5th Carvat International Symposium on Body Computed Tomography. Rome, Italy, 5/19-23/1980. "High Resolution CT," "Metrizamide in the Adult," "Trauma," "CT-Guided Biopsies," "Pathology of the Base of the Skull."

Guest Faculty: Course in Pediatric Neuroradiology. Marseille, France, 6/26-27/1980. "CT Evaluation of Spinal Dysraphism."

Visiting Professor in Neuroradiology: University of Wisconsin, Madison, 9/18-19/1980 "CT Evaluation of Craniospinal Dysraphism."

Guest Faculty: Harvard Course in Basic Neuroradiology. Boston, 9/28-10/1/1980, "CT of Spinal Trauma," "CT of Supratentorial Deep Lesions," "CT and Angiography of Incisural Lesions," "CT of Pediatric Hydrocephalus."

Guest Faculty: Special Symposium on Spinal Radiography and Computed Tomography. Lausanne, Switzerland, 10/18/1980. "CT Evaluation of Spinal Fractures and Intracanalicular Pathology."

Guest Speaker: Interim Meeting of the Pediatric Section of the American Association of Neurological Surgeons. New York, 12/4-6/1980. "Herniation of the Medial Atrial Diverticulum."

Visiting Professor in Neuroradiology: The Medical College of Wisconsin, Madison. 1/16-17/1981.

Guest Faculty: The Cook County Graduate School of Medicine Review Course in Neurological Surgery. Chicago, 2/6-15/1981. "Suprasellar and Orbital Pathology," "Pathology of Paranasal Sinuses and Skull Base," "Deep Supratentorial and Incisural Lesions," "Meningioma and Other Supratentorial Mass Lesions," "Hydrocephalus - Atrophy."

Guest Faculty: UCLA Course in Practical Neuroradiology Including CT Scanning. Los Angeles, 2/7-3/1/1981 "CT Evaluation of Spinal Cord Tumors," "CT Evaluation of Pediatric Hydrocephalus," "CT and Angiography of Extra-Axial and Intra-Axial Posterior Fossa Masses."

Speaker: American Society of Neuroradiology, 19th Annual Meeting. Chicago, 4/5-9/1981 "Presurgical Evaluation of Lipomyelomeningoceles," "CT Diagnosis of Lateral Ventricular Diverticula."

Guest Faculty: International Symposium and Course on Computed Tomography.- New Orleans, 4/12-18/1981 "CT Evaluation of Spinal Dysraphism," "CT Evaluation of the Medial Atrial Diverticulum."

Guest Faculty: American Academy of Neurology Annual Convention. Toronto, 4/29-5/2/1981 "CT Evaluation of Deep Supratentorial Pathology," "CT Evaluation of Intra-Axial and Extra-Axial Posterior Fossa Lesions."

Guest Faculty: The Cook County Graduate School of Medicine, Pediatric Neurology Review and Clinical Update. Chicago, 5/11-14/1981. "Neuroradiology and Acute Neurological Illness," "Neuroradiology of Developmental Delay."

Guest Faculty: American Society of Pediatric Neurosurgery, Pediatric Neurosurgery: A Comprehensive Postgraduate Course. Toronto, 5/15-17/1981. "Neuroradiological Evaluation of the Chiari Malformation," "Neuroradiological Diagnosis of Spinal Cord Neoplasm," "Radiological Assessment of Tumors of the Cervico-Medullary Junction," "Radiological Evaluation of Premature Craniosynostosis."

Guest Speaker: XVth International Congress of Radiology. Brussels, 6/25-26/1981. "Presurgical Evaluation of Lipomyelomeningoceles," "The Association of Midline Cerebral and Facial Dysraphisms: Radiological Evaluation," Moderator: Section on Pediatric Neuroradiology.

Guest Faculty: The Radiological Conference of the Rocky Mountain Radiological Society. Denver, 8/19-22/1981. "CT Diagnosis of Deep Supratentorial and Incisural Lesions," "Rational Approach to the Diagnosis of Posterior Fossa Lesions: CT and Angiography."

Guest Faculty: Massachusetts General Hospital Postgraduate Course in Neuroradiology. Boston, 9/8-12/1981. "Anatomic-Pathologic Correlation of Pediatric Neuroradiology," "CT Evaluation of Deep Supratentorial and Incisural Lesions," "CT Evaluation of Spinal Dysraphism."

Faculty: Multidisciplinary Seminar on Spina Bifida. Chicago, 9/25-26/1981. "Neurological Evaluation of Spinal Dysraphism."

Guest Faculty: The Northern Illinois Chapter of the American Association of Neurosurgical Nurses. Chicago, 10/9/1981. "Tomographic Findings of Elevated Intracranial Pressure."

Monthly Speaker: Chicago Orthopedic Society. Shriners Hospital, Chicago, 12/11/1981. "Spinal Dysraphism."

Guest Faculty: Internationales Computertomographie Symposium CT '82. Seefeld, Austria, 1/28-30/1982. "Evaluation of the Cranio-Cervical Junction."

Guest Faculty: Cook County Graduate School of Medicine, Refresher Course in Neurological Surgery. Chicago, 2/9-10/1982. "Suprasellar and Orbital Pathology," "Pathology of Paranasal Sinuses and Skull Base," "Deep Supratentorial and Incisural Lesions," "Meningioma and Other Supratentorial Mass Lesions," "Hydrocephalus - Atrophy."

Guest Faculty: American Society of Neuroimaging. Puerto Rico, 2/14-18/1982. "CT Evaluation of Hydrocephalus," "Spinal Dysraphism."

Guest Faculty: Annual Midwest Clinical Conference of the Chicago Medical Society. Chicago, 3/14/1982 "Computed Tomography of the Central Nervous System in Children."

Guest Faculty: Evanston Hospital Pediatric Conference. Evanston Illinois, 3/24/1982. "The CT Scan in Pediatrics."

Guest Faculty: International Symposium and Course in Neuroradiology. New Orleans, 4/12-16/1982 "Evaluation of Posterior Fossa Tumors," "CT-Guided Aspiration of Intracranial Lesions," "Congenital Anomalies of the Brain and Face," "CT Evaluation of Deep and Tentorial Lesions."

Guest Faculty: Loyola University Medical Center Neurology Review Course, Oak Brook, Illinois, 5/1-2/1982 "Congenital Anomalies of the Brain," "Congenital Anomalies of the Spine."

Guest Faculty: 1982 Meeting of the Society of Pediatric Radiology. New Orleans, 5/7-9/1982 "Periventricular White Matter in the Hydrocephalic Patient with Shunt Infection (So-Called Ventricular Loculation)"

Faculty: Myelomeningocele Seminar, Chicago, Illinois, 5/10/1982 "A Neurological Tour of Spina Bifida."

Faculty: Second Comprehensive Pediatric Neurosurgery Postgraduate Course. Chicago, Illinois, 5/13-15/1982 "The Radiological Diagnosis," "Neuroradiology of Parasellar Tumors," "CT-Guided Surgery."

Guest Faculty: AECOM Course on Neuroradiology, New York, 5/17-21/1982 "Deep and Tentorial Lesions," "Anatomy - An Approach to Spinal Reconstruction," "Pediatric Spinal Lesions."

Guest Faculty: Milwaukee Medical Complex Computed Tomography of the Spine. Milwaukee, Wisconsin, 6/2-3/1982. "Evaluation of Congenital Anomalies By CT."

Speaker: 10th Scientific Meeting of the International Society of Paediatric Neurosurgery. Philadelphia, Pennsylvania, 9/13-15/1982. "The Hindbrain Deformity of the Chiari II Malformation"

Guest Faculty: Harvard Postgraduate Neuroradiology and Head and Neck Course. Boston, Massachusetts, 9/28-30/1982. "Pediatric Neuroradiology CT-Postmortem Correlation," "CT Localization of Supratentorial Masses," "CT of Deep Supratentorial and Incisural Lesions," "The Association of Cerebral and Craniofacial Abnormalities."

Speaker: Congress of Neurological Surgeons Annual Meeting, Toronto, Ontario, 10/5-6/1982. "Neuroradiology of the Dysraphic State."

Speaker: XII Symposium Neuroradiologicum. Washington, DC 10/11-15/1982. "Diastematomyelia: Part I. Hemicords and Meningeal Sheaths. Single and Dural Arachnoid and Dural Tubes," "Ultrasonic Evaluation of Caudal Spine Anomalies in Children," "Periventricular White Matter Cysts in a Murine Model of Gram-Negative Ventriculitis."

Guest Faculty: Ninth Annual Course on Computed Tomography. Rush-Presbyterian- St. Luke's Medical Center. Chicago, Illinois, 10/28-29/1982. "The Technique of CT-Guided Brain Biopsy," "CT in the Examination of Spinal Dysraphism."

Visiting Professor in Neuroradiology: The Children's Hospital Medical Center. Cincinnati, Ohio, 11/3-5/1982.

Guest Speaker: Shriners Hospitals for Crippled Children, Oak Park, Illinois, 12/16/1982. "CT Evaluation of the Patient with Spinal Dysraphism."

Visiting Professor in Neuroradiology: Massachusetts General Hospital/Harvard University. Boston, Massachusetts, 1/5-7/1983. "Spinal Dysraphism."

Guest Speaker: Chicago Neurological Society. Chicago, Illinois, 1/19/1983. "Spinal Dysraphism."

Guest Faculty: Cook County Graduate School of Medicine, Refresher Course in Neurological Surgery. Chicago, Illinois, 2/8-9/1983. "Congenital Anomalies of the Face and Brain," "Pathology of Paranasal Sinuses and Skull Base," "Deep Supratentorial and Incisural Lesions," "Meningioma and Other Supratentorial Mass Lesions."

Visiting Professor in Neuroradiology: Evanston Hospital, Evanston, Illinois, 2/15/1983. "Congenital Anomalies of Face and Brain: Patient Appearance and Neuroimaging."

Invited Guest: American Society for Pediatric Neurosurgery. Barbados, West Indies, 2/20-26/1983. "Concurrent Midline Craniofacial Anomalies."

Guest Faculty: Cook County Graduate School of Medicine. Chicago, Illinois, 3/2/1983. "Neuroradiology of Acute Neurological Illness," "Neuroradiology of Developmental Delay."

Guest Faculty: UCSF Diagnostic Radiology Postgraduate Course. San Francisco, California, 3/18/1983.

Principal Speaker: East Bay Radiological Society. San Francisco, California, 3/17/1983. "CT Diagnosis of Deep Supratentorial and Incisural Lesions."

Faculty: Northwestern University, Department of Neurology Board Review Course. Chicago, Illinois, 4/6/1983.

Guest Faculty: Giornate Internazionali di Neuroradiologia e Neurochirurgia. Torino, Italy, 4/14-16/1983. "Nuove acquisizioni nella diagnosi neuroradiologica delle malformazioni a distanza del SNC nel bambino con MM."

Guest Faculty: Loyola University of Chicago, Stritch School of Medicine, Neuroradiology Review Course. Oak Brook, Illinois, 4/30/1983. "Congenital Deformity of the Brain: Supratentorial," "Congenital Deformity of the Brain: Posterior Fossa," "Spinal Dysraphism."

Guest Faculty: Ninth International Symposium and Course on Computed Tomography and Other Computer Assisted Imaging Techniques. San Francisco, California, 5/3-4/1983. "Evaluation of Spinal Dysraphism," "CT Diagnosis of Deep and Incisural Masses."

Visiting Professor in Neuroradiology: University of California, San Francisco, California, 5/5/1983.

Visiting Professor in Neuroradiology: Cook County Hospital Radiology Lecture Series. Chicago, Illinois, 5/10/1983. "Radiographic Pathologic Correlation: Lessons in Diagnosis from Surgery and Necropsy."

Guest Faculty: Eleventh Annual Myelomeningocele Seminar, Children's Memorial Hospital and Rehabilitation Institute of Chicago. Chicago, Illinois, 5/11-13/1983. "Arnold Chiari Syndrome (Advanced Neurosurgery) with David G. McLone, M.D., Ph.D. and Cynthia Stack, M.D."

Guest Faculty: Eleventh Pediatric Orthopedic International Seminar. Chicago, Illinois, 5/28/1983. "Spinal Dysraphism - Tethered Cord Syndrome."

Guest Faculty: UCSF-Silverado Seminars: Neurology Imaging Update. San Francisco, California, 5/28-30/1983. "CT - State of the Art: Cord and Canal I and II."

Guest Faculty: Columbia-Presbyterian Medical Center Symposium on Tethered Cord. New York, New York, 7/13-15/1983. "Myelographic and Ultrasonographic Diagnosis of the Tethered Cord."

Visiting Professor: Hospital Foch: Centre National D'Ophthalmologie; Hospital de la Pitie. Paris, France, 9/5-6/1983. "Midline Craniofacial Anomalies."

Visiting Professor: Hospital Purpan. Toulouse, France, 9/12-14/1983. "Spinal Dysraphism," "Midline Cranial Facial Anomalies."

Speaker: European Society of Neuroradiology. Berne, Switzerland, 9/15-17/1983. "Biochemical and Morphological Studies on Primary and Secondary Neural Tube Defects: Specific Evidence for the Mechanisms of Spina Bifida."

Visiting Professor: University of Zurich. Zurich, Switzerland, 9/19-21/1983. "Spinal Dysraphism," "Midline Craniofacial Anomalies."

Visiting Professor: Hospital Erasme. Brussels, Belgium, 9/22-23/1983. "Common Problems in Pediatric Neuroradiology," "Midline Craniofacial Anomalies," "Spinal Dysraphism."

Guest Speaker: American College of Radiology, Categorical Course on Neuroradiology. Denver, Colorado, 9/24-25/1983. "Congenital Spine."

Guest Faculty: Harvard Postgraduate Neuroradiology and Head and Neck Course, Boston, Massachusetts, 9/26-28/1983. "Pediatric Neuroradiology, CT-Postmortem Correlation," "CT Localization of Supratentorial Masses," "CT of Deep Supratentorial and Incisural Lesions," "The Association of Cerebral and Craniofacial Abnormalities."

Guest Speaker: Cook County Hospital, Department of Pediatrics. Chicago, Illinois, 10/4/1983. "Congenital Anomalies of the Face and Brain."

Guest Speaker: Rush-Presbyterian-St. Luke's Medical Center, Department of Pathology. Chicago, Illinois, 10/12/1983. "Pathology of Spinal Dysraphism."

Guest Speaker: University of Florida, Advanced Neuroradiology Seminar, Tampa General Hospital. Orlando, Florida 10/27/1983. "CT Evaluation of Spinal Dysraphism," "CT Evaluation of Pediatric Hydrocephalus."

Guest Speaker: Radiological Society of North America, Refresher Course. Chicago, Illinois, 11/16/1983. "Common Problems in Pediatric Neuroradiology: Insights from Surgery and Necropsy."

Speaker: American Association of Neurologic Surgeons, Pediatric Section. Toronto, Ontario, 12/1/1983. "B-Mode Sonography of Caudal Spine Anomalies: Detailed Sonographic Neuropathologic Correlation."

Visiting Professor: University of Wisconsin. Madison, Wisconsin, 12/12-13/1983. "Pediatric Neuroradiology - CT/Postmortem Correlation."

Visiting Professor: University of Miami/Jackson Memorial Medical Center. Miami, Florida, 1/12/1984. "CT Evaluation of Spinal Dysraphism," "CT Evaluation of Hydrocephalus," "Ultrasonic Evaluation of the Caudal Spine," "The Chiari II Malformation," "Common Problems in Neuroradiology: Lessons from Surgery and Necropsy."

Guest Faculty: University of Maryland, Neuroimaging Update, 4th Annual Mid-Winter CME Conference. Cancun, Mexico, 1/29-2/3/1984. "CT Evaluation of the Pediatric Spine," "CT of Craniocerebral Developmental Anomalies," "Craniovertebral Anomalies," "CT and Ultrasonography of Intracranial Masses," "CT and Ultrasonographic Guided Biopsy in CNS Lesions."

Guest Faculty: The Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/7-8/1984. "CT Evaluation of Hydrocephalus," "Meningiomas and Other Supratentorial Masses," "Pathology of the Skull Base and Paranasal Sinuses," "Congenital Anomalies of the Face and Brain."

Visiting Professor: McGill University Medical School, Montreal, Canada, 3/5-7/1984. "Spinal Dysraphism," "Congenital Anomalies of the Face and Brain," "CT Evaluation of Hydrocephalus," "Insights from Surgery and Necropsy."

Visiting Professor: Yale University Medical School. New Haven, Connecticut, 3/15/1984. "Spinal Dysraphism," "Ultrasonic Evaluation of the Caudal Spine," "Insights from Surgery and Necropsy."

Speaker: Society for Pediatric Radiology. Las Vegas, Nevada, 4/6-8/1984. "Upper Midline Craniofacial Dysraphism: Midline Cleft Upper Lip, Basal Encephalocele, Callosal Agenesis and Optic Nerve Dysplasia."

Guest Speaker: Pediatric Radiology 1984. Chicago, Illinois, 5/5-6/1984. "Common Problems in Radiology of the Skull and Spine," "Computed Tomography of the Head and Spine in Children."

Guest Speaker: International Special Procedures Conference. Chicago, Illinois, 5/14-17/1984. "Pediatric Computed Tomography of the Brain," "Pediatric Computed Tomography of the Spine."

Guest Faculty: Albert Einstein College of Medicine: Neuroradiology Seminar. New York, New York, 5/21-24/1984. "Congenital Spinal Abnormalities," "CT of Deep and Incisural Lesions," "Head CT in Children."

Speaker: American Society of Neuroradiology. Boston, Massachusetts, 6/2-6/1984. "Upper Midline Craniofacial Dysraphism, Frontonasal Encephaloceles and Frontonasal Dysplasia," "Lower Midline Craniofacial Dysraphism: Cleft Upper Lip, Basal Encephalocele, Callosal Agenesis and Optic Nerve Dysplasia."

Principal Speaker: GE Seminar on CT. Brookfield, Wisconsin, 7/3-5/1984. "Use of Computed Tomography in Pediatric Radiology."

Visiting Professor: The Mayo Clinic. Rochester, Minnesota, 9/19-21/1984. "Spinal Dysraphism," "Congenital Anomalies of the Face and Brain," "Biochemical Events in Neurulation," "Insights from Surgery and Necropsy."

Guest Faculty: Cook County Graduate School of Medicine. Chicago, Illinois, 9/25/1984. "Congenital Anomalies of the Face and Brain," "Pediatric Hydrocephalus," "Pediatric Brain Tumors."

Guest Faculty: Basic Review and Current Concepts in Neuroradiology and Head and Neck Radiology. Harvard Medical School and the Departments of Radiology, Massachusetts General Hospital and Massachusetts Eye and

Ear Infirmary. Boston, Massachusetts, 10/1-3/1984. "Pediatric Neuroradiology - CT - Postmortem Correlations" -3 Seminars; "CT Localization of Supratentorial Lesions"; "Congenital Intracranial Cysts," Post hoc addition to program.

Guest Faculty: Congress of Neurological Surgeons. New York, New York, 10/5/1984. "CT and Hydrocephalus."

Guest Faculty: University of South Florida, 2nd Annual Advanced Neuroradiology Seminar. Orlando, Florida, 10/10-14/1984. "CT and Ultrasonically Guided Brain Biopsy," "Spinal Ultrasound," "CT Localization and Diagnosis of Suprasellar and Posterior Fossa Tumors," "CT Localization and Diagnosis of Supratentorial Tumors."

Guest Faculty: Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 11/1/1984. "CT and NMR of the Head, Neck and Spine," "Images of the CNS in the First Year of Life."

Guest Faculty: 2nd Symposium on Spina Bifida: A Multidisciplinary Approach. Cincinnati, Ohio, 11/15-17/1984. "Myelomeningocele - Imaging," "Chiari II Deformity - Imaging."

Guest Faculty: Radiological Society of North America. Washington D.C. 11/27/1984. Refresher Course: "Common Problems in Pediatric Neuroradiology - Insights from Surgery and Necropsy."

Guest Faculty: University of Miami. Miami, Florida, 11/28/1984. "Multi-Modality Evaluation of Anomalies of the Spine and Spinal Cord."

Guest Faculty: American Association of Neurological Surgeons. Salt Lake City, Utah, 12/11-13/1984. "Loculated Ventricles - Aren't."

Guest Faculty: Neurosonography 1984. Miami, Florida, 12/14-15/1984. "Congenital Abnormalities and Comparison with other Imaging Modalities."

Originator and Lecturer: Lecture Series in Neuroradiology for Medical Residents and Students, Children's Memorial Hospital. Chicago, Illinois, 1984/1985. "Congenital Anomalies of the Face and Brain" - 12/7/84, "Spinal Dysraphism" - 1/4/85, "Hydrocephalus" - 2/15/85, "Trauma" - 3/1/85, "Pediatric Brain Tumors" - 4/5/85, "Infection" - 5/10/85.

Lecturer: Ultrasound Seminar American Society of Neuroradiology. New Orleans, Louisiana, 2/18-23/1985. "Echoencephalography (0-2 years)."

Visiting Professor: University of Wisconsin. Madison, Wisconsin, 3/7/1985. "High Resolution Computed Neurosonography."

Visiting Professor: SUNY Upstate Medical Center, Syracuse, New York, 3/14-15/1985 "Radiological Evaluation of Hydrocephalus in Children," "Radiology of Spinal Dysraphism," "Advances in Pediatric Neurologic Ultrasound," "Radiology/Pathology Correlation Conference."

Visiting Professor: Hospital of the University of Pennsylvania. Philadelphia, Pennsylvania, 3/18-20/1985. "Advanced Pediatric Neurosonography," "Radiology of Spinal Dysraphism," "Insights from Surgery and Necropsy."

Guest Faculty: Northwestern University Course in Neurology and Neurosurgery. Chicago, Illinois, 4/3/1985. "Congenital Anomalies of the Face and Brain."

Guest Faculty: Columbia University Postgraduate Course in Neuroradiology. New York, New York, 4/10-11/1985. "Lessons from Neuropathology," "Radiological Evaluation of Hydrocephalus," "Advanced Neurosonography," "Images of the CNS in the First Year of Life."

Speaker: The Society of Pediatric Radiology. Boston, Massachusetts, 4/18-20/1985. "Nasal Dermal Sinuses, Cysts and Gliomas."

Guest Faculty: The American Roentgen Ray Society. Boston, Massachusetts, - 4/23/1985. "Brain Tumors."

Guest Faculty: Northwestern University Medical School Course in Neurology and Neurosurgery. Chicago, Illinois, 4/24/1985. "Spinal Dysraphism," "Localization of Supratentorial and Incural Lesions."

Guest Speaker: British Postgraduate Medical Federation Institute of Neurology: Advanced Course in Neuroradiology. London, England, 7/15-19/1985. "Cranial Ultrasound," "Investigation of Spinal Dysraphism," "Chiari Malformations and other Anomalies."

Speaker: National Conference on Pediatric Brain Tumors. Minneapolis, Minnesota, 8/21-23/1985. "Neurology: Nuclear Magnetic Resonance Imaging."

Guest Faculty: Basic Review and Current Concepts in Neuroradiology and Head and Neck Radiology. Harvard Medical School and the Department of Radiology, Massachusetts General Hospital, Massachusetts Eye and Ear Infirmary. Boston, Massachusetts, 9/30-10/4/1985. "Applications of Neuropathology to Neuroradiology," 3 lectures; "Cranial Neurosonography - Technique and Normal," "Cranial Neurosonography - Common Pathology," "Supratentorial Lesions - Localization and Diagnosis," "Infratentorial/Incural Lesions - Localization and Diagnosis."

Guest Faculty: University of Massachusetts Medical Center, Radiology Grand Rounds. Worcester, Massachusetts, 10/11/1985. "Pediatric Neuroradiology: Lessons from Neuropathology."

Guest Faculty: 12th Annual Course on Computed Tomography and Nuclear Magnetic Resonance. Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 10/24-25/1985 "Cysts and Hydrocephalus in the Pediatric Brain."

Visiting Professor: Columbia-Presbyterian Medical Center. New York, New York, 11/6-7/1985. "Pediatric Neuroradiology - Lessons from Neuropathology," "Spinal Dysraphism," "MRI - Detailed Neuroanatomy."

Guest Speaker: The Montreal Children's Hospital - McGill University. Montreal, Canada, 11/13-14/1985. "The Preston Robb Lecture: Lessons from Neuropathology with CT, Ultrasound and MRI Images Correlated."

Speaker: Radiological Society of North America. Chicago, Illinois, 11/17-22/1985. "The Normal Patterns of Ossification of the Skull Base: Ages 0 - 16 Years," "Refresher Course: Common Problems in Pediatric Neuroradiology: Insights from Surgery and Necropsy,"
Moderator: Session on Pediatric Neuroradiology.

Visiting Professor: University Hospital, Indiana University Medical Center. Indianapolis, Indiana, 12/3/1985. "H. Joseph Cronin Lecture."

Speaker: Pediatric - Adolescent Orthopaedic Surgery - Myelomeningocele Tutorial. Chicago, Illinois. 12/6-7/1985. "Neuroradiology of Infant Spine."

Speaker: 14th Annual Meeting, Section of Pediatric Neurological Surgeons of the American Association of Neurological Surgeons. Houston, Texas, 12/6/1985. "The Anterior Commissure as a Major Landmark in MRI."

Guest Faculty: Interventional, MRI and Neuroradiology. University of California School of Medicine. San Francisco, California, 1/13-17/1986. "Congenital Lesions of the Cord," "Congenital Lesions of the Brain."

Speaker: The American Society of Neuroradiology. San Diego, California, 1/18-23/1986. "Intraoperative Sonography in the Surgical Management of Congenital and Developmental Abnormalities of the Spinal Cord and Theca," Special Session: PEDIATRICS. Moderator, Derek C. Harwood-Nash, Guest Speakers: David McLone, Thomas P. Naidich. "The Basis of Diagnostic Significance of Developmental CNS Abnormalities."

Guest Faculty: Cook County Graduate School of Medicine Review Course in Neurological Surgery. Chicago, Illinois, 1/31-2/9/1986. "Congenital Anomalies of the Face and Brain," "CT Evaluation of Spinal Dysraphism," "Radiology of the Normal Posterior Fossa," "Radiology of the Abnormal Posterior Fossa," "Radiology of Supratentorial Masses, I and II," "Radiology of Hydrocephalus and Atrophy."

Faculty: American College of Medical Imaging. Lake Tahoe, Nevada, 2/2-7/1986. "Evolution of Pediatric Hydrocephalus: High Resolution Tomography," "Pediatric Neuroradiology," "The Pediatric Spine," "Congenital Anomalies of the Face and Brain," "Pediatric Brain Tumors."

Guest Faculty: University of Miami School of Medicine, Department of Radiology: Neuroradiology: New Horizons and Current Concepts of Classic Issues. Bal Harbour, Florida, 3/3-6/1986. "The New Anatomy: US and MRI," "High Resolution Cranial Neurosonography," "Congenital Anomalies of Face and Brain," "Pediatric

Neuroradiology: Images and Neuropathology," "Pediatric Brain Tumors," "Evaluation of Pediatric Hydrocephalus," "The Pediatric Spine."

Speaker: 4th International Child Neurology Congress. Jerusalem, Israel, 3/17/1986. "Neuroimaging of Pediatric Encephalopathies." "Guest Faculty: 1986 Update of Diseases and Imaging of the Spine, Sponsored by The University of South Florida. Orlando, Florida, 3/31-4/2/1986. "Bony Developmental Anomalies of the Spine," "Neurological Congenital Abnormalities of the Spine and Spinal Cord."

Guest Faculty: The Western Pennsylvania Hospital First Annual Clinical Seminar in Diagnostic Ultrasound. Pittsburgh, Pennsylvania, 4/4-6/1986. "Ultrasound of the Infant Head," "Sonography of the Infant Spine."

Guest Speaker: Postgraduate Course in Neuroradiology, Neurological Institute of New York/Columbia-Presbyterian Medical Center. New York, New York, 4/9-13/1986. "Hydrocephalus and Cysts of the Brain," "Pediatric Brain Tumors," "High Resolution Neurosonography," "Images of the CNS in the First Year of Life."

Speaker: Society for Pediatric Radiology. Washington, D.C. 4/10-12/1986. "The Hippocampal Formation."

Speaker: American Roentgen Ray Society, 86th Annual Meeting. Washington, D.C. 4/13-18/1986. "Intracranial Neoplasms, I and II."

Guest Speaker: Twelfth Annual Myelomeningocele Seminar, Children's Memorial Hospital. Chicago, Illinois, 4/30-5/1/1986. "MRI - Chiari I and Hydromyelia."

Guest Speaker: Central Neurosurgical Society Spring Meeting. Chicago, Illinois, 5/31/1986. "Anatomic Correlations with MRI and Ultrasonography."

Guest Speaker: Vth Congress, Italian Society of Neuroradiology. Milan, Italy, 6/16-17/1986. "Pediatric Spinal Cord Lesions: Radiologic-Pathologic Correlations."

Speaker: XIII Symposium Neuroradiologicum. Stockholm, Sweden, 6/23-28/1986. "Frontonasal Dermal Sinus, Nasal Glioma and Encephalocele," "The Hippocampal Formation: Anatomic-MR Correlation in 3 Orthogonal Planes."

Guest Faculty: "What's New in Ultrasound," Sponsored by Rush-Presbyterian St. Luke's Hospital, Chicago and Sinai Hospital of Detroit. Chicago, Illinois, 9/6/1986. "Neonatal Neurosonography."

Guest Faculty: European Course in Neuroradiology, Third Course: Spine and Spinal Cord. Brussels, Belgium, 9/8-11/1986. "Radiological Protocols of Spinal Cord Diseases (Pediatrics)," "Pediatric Spinal Cord Diseases" with C. Raybaud, "Congenital Malformations of the Spine and Spinal Cord," "Pediatric Spine" with C. Raybaud.

Guest Faculty: 13th Annual Course in Computed Tomography and Magnetic Resonance Imaging of the Head, Neck and Spine, Sponsored by Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 9/18/1986. "Congenital Anomalies of the Face and Brain," "Evaluation of Congenital Malformations of the Spine."

Guest Faculty: International Meeting: Brain Anatomy and MRI. Marseilles, France, 9/26-27/1986. "Detailed Anatomy of the Temporal Lobe: Anatomic - MR Correlation."

Guest Faculty: Basic Review and Current Concepts in Neuroradiology and Head and Neck Radiology. Harvard Medical School and the Department of Radiology, Massachusetts General Hospital. Boston, Massachusetts, 9/28-10/1/1986. "Localization of Lesions in Supratentorial Space: I - CT, II - MR," "Posterior Fossa Intra-axial Anatomy and Physiology."

Guest Faculty: Neuroradiology 1986, University of Wisconsin. Madison, Wisconsin, 10/17-18/1986. "MRI of Congenital/Developmental Anomalies," "Pediatric Neuroradiology/Pathologic Correlation," "Ultrasound of the Neonatal Brain," "Detailed Anatomy of the Temporal Lobe: Anatomic - MR Correlation."

Guest Speaker: Colorado Radiological Society, November Meeting. Denver, Colorado, 11/20/1986. "The New Anatomy - MRI," "Common Problems in Pediatric Neuroradiology."

Speaker: Radiological Society of North America. Chicago, Illinois, 11/30 - 12/5/1986. "Three-Dimensional CT Reformations in the Evaluation of Pediatric Bone Malformations"; Refresher Course: "Common Problems in Pediatric Neuroradiology; Insights from Surgery and Necropsy"; Moderator: Pediatric/Neuroradiology (Spine and Contents) Papers 863- 869; Spinal Imaging Symposium: "Pediatric Spine: Congenital Lesions," "Intraoperative Sonography in the Surgical Management of Congenital and Developmental Abnormalities of the Spinal Cord and Theca."

Guest Speaker: Greater Delaware Valley Ultrasound Society. Philadelphia, Pennsylvania, 12/16/1986.

Visiting Professor: University of Arkansas. Little Rock, Arkansas, 1/7-8/1987. "Spinal Dysraphism," "Neuro-ultrasound," "Anatomic/MR Correlations."

Guest Faculty: American College of Radiology, Neuroradiology Symposium. Miami, Florida, 1/11-15/1987. "Approach to Pediatric Spinal Lesions," "Common Supratentorial Lesions in Children," "Posterior Fossa Lesions."

Guest Speaker: Los Angeles Radiological Society, Winter Radiological Conference. Century City, California, 1/30-2/1/1987. "Evaluation of Hydrocephalus," "Pathological Basis of Neuroimaging," "Congenital Malformations of the Spine," Workshop: "The New Anatomy - Detailed Analysis of MR Images of the Brain."

Visiting Professor: Loma Linda University, Department of Radiation Sciences. Loma Linda, California, 2/2-3/1987. "Spinal Dysraphism," "Evaluation of Hydrocephalus," "The New Anatomy - Detailed Analysis of MR Images of the Brain."

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/6-14/1987. "Congenital Anomalies of the Face and Brain," "CT Evaluation of Spinal Dysraphism," "Radiology of Hydrocephalus and Atrophy," "Radiology of Supratentorial Masses, I and II," "Radiology of the Spine: Plain, Trauma, Tumors."

Guest Speaker: Western North Carolina Society for Neuroscience. Winston-Salem, North Carolina, 2/17/1987.

Visiting Professor: The Bowman Gray School of Medicine. Winston-Salem, North Carolina. 2/18/1987. "Spinal Dysraphism," "Pediatric Intracranial Ultrasonography."

Guest Faculty: American College of Medical Imaging Eighth Annual Midwinter Conference in The High Sierras. Lake Tahoe, Nevada. 2/23-27/1987. "MRI - Advanced Anatomical Correlates," "MRI and CT - Pediatric Brain Tumors," "Common Problems in Pediatric Neuroradiology," "MRI, CT and High Resolution Ultrasound of the Pediatric Spine."

Guest Faculty: Japanese Society for Pediatric Neurosurgery. Tokyo, Japan, 3/15-17/1987. "Congenital Deformities of the Face and Brain," "Myelomeningocele and Chiari II Malformation."

Guest Lecturer: Kobe University, Kobe, Japan, 3/18/1987.

Guest Speaker: 7th Kochi Symposium on Brain Tumor. Kochi, Japan, 3/20/1987. "Magnetic Resonance Imaging of the Hippocampal Formation."

Guest Lecturer: Kyushu University. Hakata, Japan, 3/24/1987.

Guest Lecturer: Chiba University, Chiba, Japan, 3/26/1987.

Guest Lecturer: Tokai University, Tokyo, Japan, 3/27/1987.

Guest Faculty: Neuroradiology: MRI & CT of the Brain, Head and Spine, Neurological Institute of New York, Columbia Presbyterian Medical Center. New York, New York, 3/31-4/4/1987. "Lessons from Neuropathology," "MR in the Evaluation of Congenital Brain Disease," "Common Problems in Pediatric Neuroradiology," "Congenital Anomalies of the Spine."

Visiting Professor: Montefiore Medical Center/Albert Einstein College of Medicine. Bronx, New York, 4/3/1987. "Congenital Malformations of the Head and Face," "New Anatomy: Acusonography of the Head and Spine," "Pediatric Brain Tumors."

Guest Faculty: American Academy of Neurology, 39th Annual Meeting. New York, New York, 4/6-4/11/1987. Neurosonology Course: "Sonographic-Pathologic Correlations"; Skills Workshop: "Neuroimaging - Radiologic Interpretation (Neoplasia)."

Guest Speaker: Yale University, Department of Radiology Grand Rounds. New Haven, Connecticut, 4/9/87. "The New Anatomy - MR."

Guest Faculty: Northwestern University, McGaw Medical Center, Department of Neurology Course in Basic Sciences and Selective Topics in Neurology, Part II. 4/22 and 5/6/1987. "Anatomo-Radiological Correlations," "Posterior Fossa, Normal and Abnormal."

Guest Speaker: American Roentgen Ray Society. Miami, Florida, 4/27-28/1987. Instructional Course 102, 202. "Intracranial Neoplasms, Part I and II."

Guest Faculty: Loyola University of Chicago Medical Center, Stritch School of Medicine, Neuroradiology Review Course, Oak Brook, IL 5/2/87. "Normal and Abnormal CT, Ultrasound and MR in Newborns" and "Common Congenital Anomalies of the Brain, CT and MR."

Guest Faculty: NYU Medical Center. New York, New York, 5/20-21/1987. Magnetic Resonance Imaging Course. "The New Anatomy - Detailed Analysis of MR Images of the Brain" and "Developmental Anomalies of the Spinal Cord and its Coverings."

Guest Speaker: International Pediatric Radiology '87. (Inaugural Conjoint Meeting - Society for Pediatric Radiology and European Society for Pediatric Radiology.) Toronto, Canada, 5/30/1987. Symposium: Pediatric Imaging: Update '87, "Neuroradiology."

Speaker: Radiology Grand Rounds. Children's Memorial Hospital, Chicago, Illinois, 7/15/1987. "Common Problems in Pediatric Neuroradiology."

Guest Faculty: European Course in Neuroradiology (Sponsored by the European Society of Neuroradiology). Second Cycle, First Course: Intracranial Nervous System. Barcelona, Spain, 9/2-5/1987. "Diagnostic Imaging in Neonatal Pathology," "Gross Brain Anatomy Workshop," "Evaluation and Management of Epilepsy."

Guest Faculty: 14th Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Head, Neck and Spine, Sponsored by Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 9/14/1987. "Imaging of Neonatal Ischemia," "The Midline of the Pediatric Brain and Face."

Guest Faculty: The 5th Asian-Oceanian Congress of Radiology. Seoul, Korea, 9/21-25/1987. "The New Anatomy - Detailed Analysis of MR Images of the Brain," "Spinal Dysraphism."

Guest Faculty: R.M.N. et Neuro-Imagerie. Bordeaux, France. 10/1-3/1987. "Dysraphism," "Hydrocephalus in Children."

Guest Speaker: Annual Congress of the British Society of Neuroradiology. Nottingham, England, 10/9-10/1987. "Spinal Dysraphism," "The Temporal Lobe Revisited."

Guest Faculty: Basic Review and Current Concepts in Neuroradiology and Head and Neck Radiology. Harvard Medical School and the Departments of Radiology, Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary. Boston, Massachusetts. 10/12-16/1987. "Lessons from Neuropathology," "MRI - Normal Anatomy, Axial Plane," "MRI - Normal Anatomy, Coronal Plane," "MRI - Normal Anatomy, Sagittal Plane."

Guest Lecturer: St. Francis Hospital, Department of Radiology. Evanston, Illinois, 10/22/1987. "General Principles and Clinical Usage of MRI with General Emphasis on Neuroradiology."

Guest Speaker: Northwestern University Medical School. Chicago, Illinois, 10/22/1987. "Anterior Sacral Meningoceles."

Guest Faculty: Freshman Gross Anatomy Course, Northwestern University Department of Cell Biology and Anatomy. Chicago, Illinois, 11/6/1987. "Radiology of the Skull."

Speaker: Radiological Society of North America. Chicago, Illinois, 11/29-12/4, 1987. "Three-dimensional Display of the Ventricles and Cisterns from Routine, Non-Contrast-Enhanced CT Scans: Hydrocephalus and Congenital Malformations"; Co-author, "Schizencephaly" with Harold Friedman, M.D. Co-author, "CT and MR Imaging Evaluation of the Inherited and Prenatally Acquired Migrational Disorders of the Brain" with

Sharon E. Byrd, M.D., Robin E. Osborn, D.O., Timothy P. Bohan, M.D. Co-author, "Radiographic Evaluation of 70 Patients with Absence of the Corpus Callosum" with Sharon E. Byrd, M.D., Ann Flannery, M.D., Robin E. Osborn, D.O., Mary Ann Radkowski, M.D., Timothy P. Bohan, M.D.

Speaker: Annual Meeting, Section of Pediatric Neurological Surgeons of the American Association of Neurological Surgeons. Chicago, Illinois 12/10/1987. "Three-Dimensional Display of the Ventricles and Cisterns from Routine, Non-Contrast Enhanced CT Scans: Hydrocephalus and Congenital Malformations."

Visiting Professor: Eastern Virginia Graduate School of Medicine, Norfolk, Virginia, 1/6-7/1988. "Spinal Dysraphism," "Lessons from Neuropathology."

Featured Speaker: Tidewater Radiological Society. Norfolk, Virginia 1/6/1988. "The New Anatomy."

Visiting Professor: Bowman-Gray School of Medicine, 1/12/1988, Winston-Salem, North Carolina. "Anatomic Investigation of the Temporal Lobe by MR," "Anatomic Investigation of the Frontal Lobe by MR"

Speaker: Western North Carolina Society for Neuroscience Seminar. Winston-Salem, North Carolina, 1/12/1988 "Understanding Hydrocephalus through Experimental Models."

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/5-14/1988. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."

Guest Faculty: Japanese Society for Neuroradiology, University of Tsukuba, Ibaraki, Japan, 2/18-20/1988. "Normal MRI, Anatomy of Coronal and Sagittal Sections," "High Resolution Neurosonography."

Guest Faculty: Post-Graduate Course in Neuroradiology. CT-MR. New York University Medical Center, New York, New York 4/5-9/1988. "The New Anatomy - Supratentorial," "The New Anatomy - Infratentorial," "Spinal Anomalies," Workshop in MR Anatomy.

Co-Program Chairman and Faculty Member: Imaging the Central Nervous System. The Medical College of Wisconsin, Tucson, Arizona 4/25-29/1988. Moderator and Presenter: "The New Anatomy - Cerebrum";

"Mechanisms of Hydrocephalus"; Panel: "MR Imaging Protocols"; Workshops: "Working with Anatomy" and "Pediatric Imaging."

Guest Faculty and Speaker: The American Society of Neuroradiology, Chicago, Illinois, Pre-meeting course on Spinal Imaging 5/13-14/1988; 26th Annual Meeting May 15-20, 1988. "The Pediatric Spine and Cord: Developmental and Congenital Abnormalities"; "Spinal Limbs"; "Lumbar Dermal Sinuses";

Speaker: IX Annual Child Neurology Postgraduate Course. Miami Children's Hospital, Key Biscayne, Florida 5/24/1988. "Schizencephaly: Imaging Analysis of 32 Cases."

Speaker: (Satellite broadcast) XVth Annual Scientific Meeting of the International Society for Pediatric Neurosurgery. Rome, Italy 6/28/1988. "Three-dimensional Display of the Ventricles and Cisterns from Routine, Non-Contrast-Enhanced CT Scans: Hydrocephalus and Congenital Malformations."

Guest Lecturer: Neurology Department, Miami Children's Hospital. Miami, Florida 7/18/1988. "MR of Temporal Lobe."

Guest Faculty: 2nd Annual Symposium on Magnetic Resonance Imaging, Department of Radiology, Hoag Memorial Hospital Presbyterian, Newport Beach, California. Laguna Niguel, California 7/28-31/1988. "Multiplanar, Functional Brain Anatomy with MRI: Parts I and II," "Congenital Disorders of the Brain and Spine."

Visiting Professor: Knight Visiting Professor, The Miami Project to Cure Paralysis, University of Miami School of Medicine/Jackson Memorial Medical Center. Miami, Florida 9/7/1988. "Spinal Imaging: Sectional Anatomy and Trauma."

Guest Lecturer: Florida Neurosurgical Society. Hollywood, Florida 9/10/1988. "Pediatric Neuroradiology."

Guest Lecturer: XVth Congress of the European Society of Neuroradiology. Wurzburg, Germany 9/13-17/1988. "Normal Postnatal Development of the Spine."

Featured Speaker: The South Florida Radiological Society. Miami, Florida 9/28/1988. "Lessons from Neuropathology."

Guest Faculty: Basic Review and Current Concepts in Neuroradiology and Head and Neck Radiology. Harvard Medical School and the Departments of Radiology, Massachusetts General Hospital and Massachusetts Eye and Ear Infirmary. Boston, Massachusetts. 10/3-4/1988. "The New Anatomy: Detailed analysis of MR Images of the Brain," "Lessons from Neuropathology."

Guest Faculty: Advanced Neuroradiology MRI Visiting Fellowship. UCSF San Francisco, California 10/20-21/1988. "Posterior Fossa Anatomy," "Hydrocephalus," "Temporal Lobe Anatomy," "Congenital Spine."

Guest Faculty: Postgraduate Course in Neuroradiology, University of California, San Francisco, Radiology Postgraduate Education. San Francisco, California 10/22-23/1988, "Neonatal Ultrasound," "Hydrocephalus," "Congenital Spine."

Guest Faculty: A Symposium on Clinical Problems in Child Neurology. University of California San Francisco, Extended Programs in Medical Education. 10/22/1988.

Featured Speaker: The Greater Miami Society of Radiologic Technologists. Miami, Florida 11/16/1988. "Neuroradiology: Techniques, Imaging, and Pathological Correlations."

Speaker: Radiological Society of North America. Chicago, Illinois, 11/27-12/2, 1988. Presenter: Categorical Course: "MR Anatomy of the Brain" co-presented with David L. Daniels, M.D. Presenter: Categorical Course: "Pediatric Neuroradiology: The maturing Central Nervous System" co-presented with Anthony J. Barkovich, M.D.

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/3-12/1989. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."

Guest Instructor: American Association of Neurological Nurses, Department of Nursing Education, Baptist Hospital of Miami. Miami Florida 2/8/1989. "Imaging Diagnosis of Herniated Intervertebral Disc."

Co-Program Chairman and Faculty Member: Second Annual Course, Imaging the Central Nervous System. Presented by The Medical College of Wisconsin, Tucson, Arizona 4/20-24/1989. Moderator and Presenter: "Radiologic Evaluation of Vascular Disease," "Degenerative Disease of the Cervical Spine," "Role of Gadolinium in Head Imaging," "Pediatrics." Workshop: "Anatomy I."

Faculty: International Symposium and Workshop on Stereotactic Surgery and Convergent Beam Radiosurgery presented by Baptist Hospital of Miami, Division of Neurosurgery and Department of Radiation Oncology. 2/15-17/1989. "Limitations on the Accuracy of Stereotactic Procedures in Living Biological Systems."

Faculty: Current Clinical Concepts in Otolaryngology - 1989. Department of Otolaryngology, University of Miami School of Medicine. Bal Harbour Florida 3/2-4/1989. "Recent Advances in Neuroradiology."

Guest Faculty: 3rd Annual Magnetic Resonance Imaging Conference of the Barrow Neurological Institute. Phoenix, Arizona 3/5-8/1989. "Pediatric Spine I and II," 2nd BNI John R. Green Neuroimaging Oratory: "In Vivo Neuroanatomy."

Guest Faculty: The American Society of Neuroradiology, Orlando, Florida, Pre-meeting course on Vascular Imaging of the Brain, "Vascular Patterns of Stroke." 4/19-20/1989; 27th Annual Meeting March 20-25, 1989, Co-moderator, Session on Pediatric Imaging.

Featured Guest Speaker: Radiology '89, Annual Congress of the British Institute of Radiology, Eastbourne, United Kingdom 5/5/1989. Mayneord Lecture: "The New Anatomy: a Radiological Renaissance."

Guest Faculty: European Course in Neuroradiology (Sponsored by the European Society of Neuroradiology). Sixth Course: Spine and Spinal Cord. Lund, Sweden, 5/7-11/1989. "Ultrasound and Congenital Malformations of the Spine and Spinal Cord," "Radiological Protocol of Pediatric Spinal Cord Disease," and two workshops: "Anatomy" and "Pediatric Spinal Cord Disease."

Faculty: Radiology Review Course (Sponsored by Departments of Radiology at Mount Sinai Medical Center and the University of Miami School of Medicine). Miami, Florida 5/19/1989. "Brain - Congenital Abnormalities," "Spine - Congenital Abnormalities."

Invited Speaker: Florida Radiological Society Spring Meeting. Lake Buena Vista, Florida 5/20/1989. "The New Anatomy: MRI of the Cerebral Hemispheres," "The New Anatomy: MRI of the Posterior Fossa."

Invited Speaker: Baptist Hospital-Memorial Hospital Neuroscience Conference. Miami, Florida 5/27/1989. "MRI Diagnosis of Lumbar Disk Disease."

Speaker (English and Spanish): X Annual Child Neurology Postgraduate Course and I Curso Hispanoamericano De Postgrado De Pediatria Neurologica (Sponsored by Miami Children's Hospital,

Department of Neurology). Key Biscayne, Florida 6/12 -15/1989. "Hydrocephalus," "Spinal Dysraphism," "Raquisquisis."

Invited Speaker: 17th International Congress of Radiology/European Society of Neuroradiology 16th Congress/European Society of Head and Neck 3rd Congress. Paris France 7/1-8/1989. Refresher Course: "Sonography of the Newborn." Anatomy Session: "The New Anatomy: MR Anatomy of the Brain."

Invited Speaker: ENT Grand Rounds, University of Miami Medical School/Jackson Memorial Hospital. Miami, Florida 7/27/1989. "Recent Advances in ENT Radiology."

Guest Faculty: Pediatric Neuroradiology and Neuroscience Topics. Division of Neuroradiology, The Johns Hopkins Medical Institutions. Baltimore, Maryland 8/12-14/1989. "Normal Brain Maturation," "MRI of Chiari Malformation," "Radiology of Spinal Dysraphism."

Invited Speaker: Pediatric Grand Rounds, University of Miami Medical School/Jackson Memorial Hospital. Miami, Florida 8/22/89. "Recent Advances in Pediatric Neuroradiology."

Invited Professor (English and Spanish): V Congreso Nacional de Neurologia y Neurocirugia. Ciudad de Guatemala 8/26/89. "El Neuroradiologo Frente Al Neurologo y Neurocirujano."

Guest Faculty: 1989 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 9/18-22/1989. "MRI of Posterior Fossa Anatomy," "Stroke Localization. Anatomy, MRI, and Clinical Correlation," "MRI Anatomy of Frontal Lobes and Basal Ganglia," "MRI Anatomy of the Temporal, Parietal and Occipital Lobes."

Featured Speaker: Radiology Grand Rounds, New England Deaconess Hospital. Boston, Massachusetts 9/20/1989. "MRI Anatomy of Temporal, Parietal, and Occipital Lobes."

Guest Faculty: The 48th Annual Meeting of the Japan Neurosurgical Society Continuing Education Program. Morioka, Japan 9/26/1989. "The New Anatomy: Magnetic Resonance - Anatomic Correlation."

Invited Speaker: The 48th Annual Meeting of the Japan Neurosurgical Society. Morioka, Japan 9/27-29/1989. "Spinal Limbs," "MR of Congenital Malformations of the Brain."

Guest Speaker: GE MR Signa Users Seminar. New Orleans, Louisiana 10/22/1989. "Neuroanatomy."

Featured Speaker: Neurosurgery Grand Rounds, University of Miami School of Medicine, Jackson Memorial Hospital. Miami, Florida 10/27/1989. "MRI Anatomy."

Guest Speaker: Central Florida Society of Radiologists. Orlando, Florida 11/13/1989. "Current and Future Applications of 3-D Reformatting in Neuro and Body Imaging."

Speaker: 75th Anniversary Scientific Assembly and Annual Meeting, Radiological Society of North America. Chicago, Illinois 11/26-12/1/1989. Panel Speaker, Opening Session: Practical Spine Imaging: Update 1989, "The Pediatric Spine." Presenter: Categorical Course: "MR Anatomy of the Brain" co-presented with David L. Daniels, M.D. "MR Imaging of Tuberos Sclerosis: Insights into the Pathogenesis of this Phakomatosis and Comments on the Usefulness of Gd-DTPA," Braffman GH, Bilaniuk LT, Naidich TP, Altman NR, Post MJD, Livingston PA, Quencer RM, Zimmerman RA.

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/2-11/1990. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."

Co-Program Chairman and Faculty Member: Third Annual Course, Imaging the Head, Spine and Musculoskeletal System: A Discussion of Current Procedures, Protocols and Problems. Presented by The Medical College of Wisconsin, Tucson, Arizona 3/19-23/1990. Moderator and Presenter: "Brain Development and Maturation," "Brain Tumors." Workshops: "Anatomy," "Brain Cutting." Spouse Lecture: "Understanding Neuroimaging."

Course Faculty: Third Annual Categorical Course: Neoplasms of the Central Nervous System. Presented by the American Society of Neuroradiology preceding the 28th Annual Meeting. Los Angeles, California 3/17-23/1990. "Extra-axial Tumors."

- Guest Faculty: Post-Graduate Course in Neuroradiology. NYU Medical School and the Department of Radiology. New York, New York 4/6-8/1990. "Anatomy" and "Anatomy Workshops (2)."
- Visiting Professor: Neuroradiology Grand Rounds, National Institute of Health. Bethesda, Maryland 4/20/1990.
- Guest Faculty: 42nd Annual Meeting American Academy of Neurology. Miami Beach, Florida 4/30-5/6/1990. Full-day course: Clinical Neuroimaging; "Normal Brain Anatomy," "Cerebrovascular Disease."
- Guest Lecturer: Radiological Society of New Jersey. St. Barnabas Medical Center, Livingston, New Jersey 5/17/1990. "The New Anatomy, A Radiological Renaissance."
- Faculty: XI Annual Child Neurology Postgraduate Course (Sponsored by Miami Children's Hospital, Department of Neurology). Key Biscayne, Florida 6/11 -14/1990. "Normal Brain Maturation," "Congenital Malformations of the Brain."
- Guest Lecturer: Seminar on MR, Magnetic Resonance Imaging Institute, Bayamon, Puerto Rico 8-25-90
- Guest Lecturer: Workshop on Neuroimaging, XIth International Congress of Neuropathology. Kyoto Japan 9/7/1990. "Congenital Brain and Spinal Malformations."
- Guest Speaker: Florida West Coast Radiological Society. Tampa, Florida 9-13-90, "Pediatric Neuroradiology."
- Visiting Professor: University of South Florida College of Medicine. Tampa, Florida 9-14-90. "Neuroradiology Anatomic/CT/MR Correlations."
- Guest Faculty: 1990 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 10/1-2/1990. "MRI of Posterior Fossa Anatomy," "Normal Maturation of the Brain," "MRI Anatomy of Frontal Lobes and Basal Ganglia," MRI Anatomy of the Temporal, Parietal and Occipital Lobes."
- Guest Faculty and Keynote Speaker: The Royal Australasian College of Radiologists, 41st Annual Meeting. Perth, Australia 10/5-10/12, 1990. CME Course: "Display of New Anatomy of Temporal Lobe by MRI," "Classical Patterns of Stroke," "Ultrasound Assessment of the Pediatric Spine," and "Place of Radiology in the
- Diagnosis and Assessment of Hydrocephalus." General Session: "Radiology of Arnold-Chiari Malformation" and "Imaging Evaluation of Meningiomas."
- Guest Lecturer: Australasian Society of Pediatric Imaging. Perth, Australia 10/12-13/1990. "Correlation of Neuropathology in Children, Multimodality: CT/MR/US" and "Congenital Brain, CT/MR."
- Guest Faculty: Seventeenth Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Brain, Head, Neck & Spine, Department of Diagnostic Radiology, Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois 11/1-2/1990. "A New Look at Meningiomas," "Myelin Maturation," CT and MR in the Evaluation of Stroke" and "Normal and Abnormal Posterior Fossa."
- Guest Lecturer: Neurosurgery Grand Rounds presented by the Department of Neurosurgery, University of Miami School of Medicine. Miami, Florida 11/9/1990. "Neuroradiology/Neuropathology Correlation: Planning surgery from the CT and MR Images."
- Guest Participant: "Crash Course in MRI" as part of the Harvard Post-graduate Course in Neurosurgery. Boston, Massachusetts 11/12/1990. "MRI Anatomy" and Panel Discussion.
- Speaker: 76th Scientific Assembly and Annual Meeting, Radiological Society of North America. Chicago, Illinois 11/25/-30/1990. Presenter: Categorical Course: "MR Anatomy of the Brain" co-presented with David L. Daniels, M.D.
- Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/1-10/1991. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."
- Co-Program Chairman and Faculty Member: Fourth Annual Course, Imaging the Head, Spine and Musculoskeletal System: A Discussion of Current Procedures, Protocols and Problems. The Medical College of Wisconsin, Kauai, Hawaii 2/17-22/1991. Moderator and Presenter: "Normal Brain Anatomy," "Pediatric Brain Imaging: Congenital and Acquired Lesions," "Imaging of the Face," "Pediatric Spine Imaging." Presented with R. Quencer: "MRI Today: Advances in MR Imaging Part 2; Presented with R. Quencer and V. Haughton: "Imaging the Head and Neck." Workshops: "Radiologic/Pathologic Correlation," "Brain Cutting."

Featured Speaker: Miami Association of Oral and Maxillofacial Surgeons. Miami, Florida, 3/4/1991
"3-D CT."

Guest Faculty: Magnetic Resonance Imaging, Color-Flow Doppler Ultrasound and other Special Imaging Techniques in the Pediatric Patient, The Department of Radiology, Children's Hospital Medical Center,

Cincinnati Ohio. Park City Utah, 3/14-15/1991. "Pathological Correlation of Spinal Abnormalities: CT, MR & Ultrasound," In-Vivo Neuroanatomy: Midline Structures" and "Brain Maturation and Congenital Malformations."

Guest Faculty: Magnetic Resonance Imaging, Fifth Annual Conference, Barrow Neurological Institute of St. Joseph's Hospital and Medical Center, Phoenix Arizona. Camelback Inn, Phoenix, Arizona 3/16-20/1991. "Meningioma," "Brain Anatomy: Imaging and Surgical Correlation," "Brain Vascular Distribution" and "Spinal Dysraphism I and II."

Guest Faculty: 43rd Annual Meeting American Academy of Neurology. Boston, Massachusetts 4/21-4/27/1991. Full-day course: Clinical Neuroimaging; "Pediatric Disease."

Presenter: American Roentgen Ray Society 91st Annual Meeting. Boston, Massachusetts, 5/5-5/9/1991. Categorical Course in Spine and Body Magnetic Resonance Imaging. "Congenital/Developmental Lesions."

Guest Faculty: 2nd Annual Clinical Neuroradiology Seminar, presented by the University Diagnostic Institute, University of South Florida. Key West, Florida 5/7-5/11/1991. "Congenital and Pediatric Spine." "Congenital and Pediatric Brain."

Course Director and Faculty: IMAGING THE DEVELOPING BRAIN, American Society of Neuroradiology, Washington, D.C., 6/7-8/1991. "Classic Brain Malformations: Gross Brain Pathology" presented with Nolan R. Altman, M.D.

Participant: 29th Annual Meeting, American Society of Neuroradiology, Washington D.C. 6/9-14/1991. "Inferior Frontal Landmarks for Identifying the Precentral and Postcentral Gyri Along the Low Convexity on Sagittal MRI," co-authors, A.G. Valavanis, S. Kubik, I.F. Braun.

Faculty: 5th in a Series, The Medical College of Wisconsin Presents "The Sharper Image in MRI," Chateau Whistler, British Columbia 8/12-16/1991. "Brain Anatomy," "Brain Development and Maturation" and "MRI Signatures."

Guest Faculty: 1991 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 9/23-24/1991. "MRI of Posterior Fossa Anatomy," "Normal Maturation of the Brain," "MRI Anatomy of Frontal Lobes and Basal Ganglia," MRI Anatomy of the Temporal, Parietal and Occipital Lobes."

Guest Faculty: Neurology Update, University of Miami School of Medicine, Neurology Department. Miami, Florida, 2/5/1992. "Brain and Surface Anatomy."

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/6-15/1992. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."

Visiting Faculty: Principles and Practice of Clinical Magnetic Resonance Imaging, presented by Johns Hopkins Medical Institutions. Orlando, Florida 3/5-8/1992. "Congenital Anomalies of the Brain," "MRI of the Infant Brain," "Congenital Anomalies of the Spine," Workshops: "Pediatric Neuro-MRI."

Course Faculty: Radiology Review Course sponsored by Departments of Radiology, University of Miami-Jackson Memorial Medical Center and Mount Sinai Medical Center. Miami, Florida 4/12-17, 1992. "Congenital Abnormalities - Brain" and "Congenital Abnormalities - Spine."

Guest Speaker: The South Florida Radiological Society. Miami, Florida 4/15/1992. "Applications of Magnetic Resonance Angiography throughout the Body."

Guest Speaker: Special Focus Session: Base of the Skull and TMJ, American Society of Head and Neck Radiology. Chicago, Illinois 5-25-1992. "Congenital Anomalies and Tumors of the Anterior Skull Base."

Guest Speaker: 10th Annual Meeting, Society for Magnetic Resonance Imaging. New York, New York 4/25/1992. "Congenital Spine."

Course Faculty: Clinical Neuroimaging, American Academy of Neurology 1992 Annual Meeting. San Diego, California 5/8/1992. "Congenital Malformations of the Brain" and "Magnetic Resonance Angiography."

Course Faculty: Categorical Course, Neuroradiology, sponsored by the American Roentgen Ray Society 5/12/1992. "Imaging of Hydrocephalus and Shunts."

Guest Faculty: European Course on Neuroradiology, Third cycle, third course: Spine and Spinal Cord, Diagnostic and Interventional Neuroradiology, European Society of Neuroradiology. Porticcio, Corsica, May 15-19, 1992. Lecture: "Development and Malformations of the Cord," Workshops: "Pediatric Spine, normal variants" and "Dysplastic Spine."

Panel Moderator and Discussant: American Society of Neuroradiology 30th Annual Meeting. St. Louis, Missouri, May 31-June 5, 1992. Pediatric Session: Medico-legal aspects of child abuse, pediatric sedation, and perinatal asphyxia.

Faculty: XIII Annual Child Neurology Postgraduate Course (Sponsored by Miami Children's Hospital, Department of Neurology). Key Biscayne, Florida 6/11/1992. "Anatomy of the Developing Brain."

Guest Faculty: 1992 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 9/21-25/1992. "MRI of Posterior Fossa Anatomy," "MRA," "Surface Anatomy of the Brain," "Deep Anatomical Structures."

Faculty: Contemporary MR Imaging, presented by the University of Wisconsin. Madison Wisconsin, September 25, 1992. "Brain Development and Maturation," "Surface Brain Anatomy," Brain Anatomy, Part II, Deep Structures.

Faculty: Florida Neurosurgical Society, Fall Meeting. Palm Beach, Florida, 10/9-11/1992. "State of the Art Review - CT/MRI/MRA," "Display of Surface Anatomy for Intraoperative Lesion Localization."

Guest Faculty: Nineteenth Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Brain, Head, Neck & Spine. Chicago, Illinois 10/15-16/1992. "CT and MR in the Diagnosis of Stroke," "Imaging Surface Anatomy of the Brain."

Guest Lecturer (Spanish only): IV Congreso de la Sociedad Iberolatino Americana de Neuroradiologia Diagnostica y Terapeutica (SILAN). Santo Domingo, Republica Dominicana. 12/8-11/1992. "Anomalias de la medula espinal" and "La Anatomia de la cara lateral de los encefalos."

Distinguished Guest Speaker: Chicago Radiological Society, Chicago, Illinois. 1/21/93.

Guest Faculty: Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/5-13/1993. "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "Hydrocephalus," "Localization of Supratentorial Lesions," "Detailed Brain/MR Anatomy."

Resident Lecture: Miami Children's Hospital, Department of Neurology. Miami, Florida, 4/16/93.

Guest Faculty: American Roentgen Ray Society, Categorical Course on Ultrasound. San Francisco, California, 4/28/1993.

Guest Faculty: American Society of Head and Neck Radiology, 26th Annual Conference and Postgraduate Course. Vancouver, British Columbia, 5/14/1993. "Anterior Skull Base, Congenital Lesions."

Panel Speaker, and Discussant: American Society of Neuroradiology 31st Annual Meeting. Vancouver, British Columbia, 5/16-20/1993. A. Focus Session on the Developing Spine, Anatomy of the Pediatric Disc. B. Focus Session on Seizure Management, Anatomic Substrate of Seizures.

Faculty: European Course in Neuroradiology, 93. Algarve, Portugal, 5/28 - 6/1/1993. "Chiari Malformations I, II, III," "Protocols for Sedation of Children," "Tumors in Children," Computer Workshop, Clinical Cases.

Visiting Professor: The Children's Hospital of Philadelphia. Philadelphia, Pennsylvania, 6/22-23/93. "Advanced Neonatal Ultrasonography," Lessons from Neuropathology: Review of Interesting Cases from Surgery to Pathology," "Name that Case," "Congenital Malformations of the Spine" and "Congenital Malformations of the Brain."

Faculty (in Spanish): Curso de Imagenologia en Espanol: Miami 1993. Miami, Florida 7/15-18/1993. "Localizacion de Lesiones por TC y Resonancia Magnetica: Anatomia y Patologia" and "Hernia de Disco: Evaluacion por Imagenes."

Guest Speaker: The Florida Society of Magnetic Resonance Technologists, Inc. Miami, Florida, 7/31/93. Inaugural Meeting, "Neuroradiology MRI."

Invited Lecturer: European Society of Neuroradiology. Bruges, Belgium 9/8-11/1993.

Guest Faculty, 3rd Refresher Course, "Intracerebral congenital fluid cavities." Presenter: "MR Display of the Maturing Cerebral Convexity."

Guest Faculty: 1993 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 9/19-22/1993. "Brain Anatomy by MRI, Parts I and II," "The Infant Brain as seen by Ultrasound," "Congenital Anomalies of the Spine."

Visiting Professor: Hospital for Sick Children, Toronto, Ontario, Canada. 10/5-10/7/1993.

"The Impact of MRI on the Pediatric Patient," "Pediatric Spine from Embryology to MRI," and "MRI and Ultrasonic Anatomy."

Guest Faculty: Twentieth Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Brain, Head, Neck & Spine. Rush Medical Center, Chicago, Illinois 10/7-8/1993. "CT and MR of Pediatric Brain Tumors," "Imaging the Neonatal Brain."

Guest Lecturer (Spanish only): V Congreso da Sociedade Ibero Latino Americana de Neurorradiologia (SILAN). Florianopolis, Brazil. 10/27-29/1993. "Seguridad y dosificacion del gadolinio-DTPA en neurologia pediatrica," "El Desarrollo de Mielinizacion in el Infante" and "Neuroanatomia des estructuras cerebrales."

Guest Lecturer: Simposio de Resonancia Magnetica, sponsored by the Chilean Society of Neurology, Neurosurgery and Psychiatry. Vina del Mar, Chile. 11-6-93. "Nuevos Avances en Reonancia Magnetica" and Substrato Anatomico de las Crisis de Epilepsia.

Faculty: 25th Neuro-Ophthalmology Course, Advances in Neurosurgery, Neuro-ophthalmology, Neuroradiology, Lesions of the Visual Pathways. Sponsored by The Bascom-Palmer Eye Institute and the University of Miami School of Medicine Miami Beach, Florida 12/15-17/1993. "Radiologic Investigations of Optic Gliomas" and "Radiologic Diagnosis of Sellar and Parasellar Lesions."

Faculty: Clinical Applications for Positron Emission Tomography (PET) presented by Baptist Hospital of Miami. Miami, Florida, 1/15/1994.

Guest Lecturer: Series of six lectures to the staff, residents and fellows, Barrow Neurological Institute, Department of Radiology, Phoenix, Arizona 1/17-21/1994.

Director and Guest Faculty: Neuroradiology Section of the Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/4-12/1994. "CT/MRI of Posterior Fossa," "Congenital Anomalies of the Face and Brain," "Spinal Dysraphism," "MR Anatomy, I; II; III."

Featured Guest Speaker (Spanish only): 1er Congreso Colombiano de Neurologia Infantil, "ASCONI," Asociacion Colombiana de Neurologia Infantil. Bogota Colombia, 3/10-12/1994. "Maduracion cerebral," "Encefalopatia hipoxica" and "Enfermedades desmielinizantes."

Faculty: 13th Annual Comprehensive Update, Neuroradiology and Head and Neck Radiology, presented by SUNY Health Science Center at Syracuse. Orlando, Florida, 3/10-13/1994. "The Pediatric Spine," "The Pediatric Brain," "Brain Tumors: Pediatric" and MR and CT in the "Analysis of Hydrocephalus."

Guest Lecturer: Dept. of Radiology, Mount Sinai Hospital, Miami, Florida. 4/27/94, "Brain Anatomy."

Faculty: 32nd Annual Meeting, American Society of Neuroradiology, Nashville Tennessee 5/11-7/1994. Core Curriculum: "Hydrocephalus," Guest Speaker: "Basal Ganglia Anatomy," Director and presenter: "Challenging Cases."

Faculty: Concepts in Brain Injury Medical Management, Davis Center for Rehabilitation, Baptist Hospital of Miami. Miami, Florida, 5/14/1994. "Radiology of Brain Injury with Guide Toward Prognosis."

Faculty: European Course in Neuroradiology, Base of the Skull. Maastricht, The Netherlands, 6/9-13-1994. "Radiological Anatomy of the Skull Base."

- Invited Speaker: Pediatric Neurology and Neurosurgery Seminar, Departments of Pediatric Neurology and Neurosurgery, University of Miami, Jackson Memorial Medical Center, 7/5/1994. "Congenital Malformations of the Face and Brain."
- Guest Faculty: 1994 Harvard Postgraduate Course on Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro-MRI. Boston, Massachusetts 10/3-7, 1994. "Brain Anatomy by MRI," "Brain Anatomy by MRI in relation to Temporal Lobe Epilepsy," and The Spine and Spinal Cord Growth and Development - Some Associated Pathology."
- Guest Speaker: The North Shore Radiological Society, Boston, Massachusetts, 10/3/1994. The Spine and Spinal Cord, Growth and Development - Some Associated Pathology."
- Guest Faculty: 21st Annual Course on Computed Tomography and Magnetic Resonance Imaging, Rush Medical Center. Chicago, Illinois, 10/27-28/1994. "The Role of Neuroimaging in the Evaluation of Seizure Disorders," "Congenital Malformations of the Pediatric Spine."
- Faculty: Cerebral Vascular Disease, Cedars Medical Center and South Florida Noninvasive Vascular Society, Miami, Florida, 11/12/1994. "Comparison of Duplex Carotid Sonography with Catheter Angiography and MR Angiography."
- Faculty: Refresher Course, Special Course in Neuroradiology. Radiological Society of North America, 80th Scientific Assembly and Annual Meeting. Chicago, Illinois, 11/27 - 12/2/ 1994. "Pathology of Adult Intracranial Neoplasms: Useful Interpretation of Mass."
- Visiting Faculty: Second Annual Course, Intensive MR Imaging and Neuroradiology. University of Utah, Salt Lake City, Utah, 12/3-8/1994. "Supratentorial tumors in Children," "Infratentorial Tumors in Children," "Meningiomas and Mimics," "Seizures: Imaging Anatomy, Pathology of the Temporal Lobe and Limbic System" and "Ultrasound of the Neonatal Head."
- Director and Guest Faculty: Neuroradiology Section of the Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/3-11/1995. "MR Anatomy, I, Deep Structures; II Localization of Supratentorial Lesions; III Temporal Lobe," "Spinal Dysraphism," "SPECT Imaging, Labeled White Cells, and PET," "CT/MRI of Posterior Fossa, Normal and Extra-axial Lesions," Congenital Anomalies of the Face and Brain," Normal Spine: CT/MRI/Cryomicrotome Correlation," Degenerative Spondylosis and Disk Disease."
- Guest Faculty: University of Wisconsin Winter Meeting. Big Sky, Montana 2/5-9/1995. "CNS Maturation," "Pediatric Brain Tumors," "MR Anatomy," "Malformations of the Brain and Spinal Cord."
- Lecturer: University of Miami, Department of Radiology. Miami, Florida, 3/21/1995. The Congenital Spine."
- Guest Faculty: The Robert Shapiro Memorial Lecture Symposium in Contemporary Radiology, University of Miami. Miami Beach, Florida 3/26/95. "Spinal Development and Segmentation Anomalies."
- Guest Lecturer and Panelist: The Birth Trauma Litigation section of the American Trial Lawyers Association. London, England. 3/31-4/1/1995. "Neuroradiology."
- Faculty: 33rd Annual Meeting, American Society of Neuroradiology, Chicago, Illinois 4/21-27/1995. Core Curriculum: Anatomy and Development of the Spine, Guest Speaker: Special Session on the Pediatric Skull
- Base "Development of Calvarium and Imaging of Craniosynostosis" Righi, A. and Naidich, TP: "The Normal Termination of the Thecal Sac."
- Instructor: Baptist Hospital of Miami/Davis Center for Rehabilitation. Concepts in Brain Injury Medical Management: Innovations in the '90s. Coral Gables, Florida, 5/6/1995. "Neuroimaging of Traumatic Brain Injury."
- Moderator: University of Miami School of Medicine, Department of Radiology, Second Annual Fellows Day. Coral Gables, Florida, 5/6/1995.
- Faculty: Florida Radiological Society Annual Spring Meeting. Practicing Radiology in a Managed Care Environment. St. Petersburg, Florida, 5/19-21/1995. "Useful Interpretation of Neuroimaging (What the Surgeon Needs to Know).
- Faculty: Baptist Hospital of Miami, 2nd Annual PET Symposium: Problem Solving and Cost-Effective Healthcare with Positron Emission Tomography. Miami Florida, 5/20/1995. Seminar in Neuro-PET: Anatomic Bases, CT-MR Correlations and PET Diagnosis.

Faculty: European Course in Neuroradiology, Spine and Spinal Cord. Prague, Czech Republic, 5/26-30/1995 "Disorders of Canalization and Retrogressive Differentiation," " and workshops: "Congenital Malformations, Dysplasias, Scoliosis" and "Pediatric Spine."

Guest Faculty: 1995 Harvard Post Graduate Course on Basic and Current Concepts in Neuroradiology, Head and Neck Radiology and Neuro MRI. Boston Massachusetts 9/18/95. "Brain Anatomy by MRI" and "Posterior fossa Anatomy".

Guest Faculty: Advanced Course of the European Society of Neuroradiology, "Imaging of the Craniocervical Junction." Budapest, Hungary 9/20/95. "Congenital anomalies (a) Neural structures".

Invited Lecturer: European Society of Neuroradiology XXI Congress. Budapest Hungary 9/20-23/1995. "Development and Genetics: Determining the Body Plan."

Guest Faculty: 22nd Annual Course on Computed Tomography and Magnetic Resonance Imaging, Rush Medical Center. Chicago, Illinois, 10/26-27/1995. "Imaging Anatomy in Seizure Disorders," and "Localization of Brain Pathology by CT and MR."

Guest Lecturer: Noon Lecture for Residents and Fellows, and Feature Lecturer *Neuroclub*, Cornell University School of Medicine, Dept. of Radiology, 11/9/1995, " Surface Anatomy of the Fronto-parietal Junction".

Guest Lecturer: Case Managers Symposium, Baptist Hospital, Miami, Florida 11/17/1995, "Case Presentation: MRI, CT and Neuroimaging in Neuroradiology."

Lecturer: Refresher Course, Update Course in Clinical Neuroradiology. Radiological Society of North America, 81st Scientific Assembly and Annual Meeting. Chicago, Illinois, 11/26- 12 /1/ 1995. "Concepts in Anatomy and Pathology of Intracranial Neoplasms."

Guest Lecturer: Department of Obstetrics and Gynecology: Baptist Hospital, Miami, Florida 12/8/95. "Birth Asphyxia vs. Prenatal Injury."

Feature Lecturer: Department of Family Medicine: Baptist Hospital, Miami, Florida 1/22/96.

Radiological Protocols for Neuroradiology. Part I.

Featured Lecturer: Monthly Community-Wide Saturday Conference, Department of Neurological Surgery, University of Miami School of Medicine. Miami, Florida 1/13/96. "Localizing Lesions along the Cortex."

Director and Guest Faculty: Neuroradiology Section of the Cook County Graduate School of Medicine, Review Course in Neurological Surgery. Chicago, Illinois, 2/2-10/1995. "MR Anatomy, I, Deep Structures; II Localization of Supratentorial Lesions; III Temporal Lobe," "Spinal Dysraphism," "Radionuclide Diagnosis of CNS Disease," "CT/MRI of Posterior Fossa, Normal and Extra-axial Lesions," Congenital Anomalies of the Face and Brain," Spinal Anatomy, Imaging Correlation" "Spinal tumors and Trauma," "Degenerative Spondylosis and Disk Disease."

Feature Lecturer: Department of Family Medicine: Baptist Hospital, Miami, Florida 1 3/18/1996.
Radiological Protocols for Neuroradiology. Part II.

Guest Lecturer: Interventional Neuroradiology, Universitatpital Zurich, Zurich Switzerland. 3/26-28/1996. Surface Anatomy of the Brain, Anatomic/MR Correlations.

Guest Lecturer: III Congresso Nazionale Neuroradiologia Pediatrica. S. Margherita Ligure, Italy, 5/9-5/11 1996. "Embryology, classification and neuroradiology," and "Posterior fossa, a typical location of pathology in pediatric age."

Guest Faculty: European Course in Neuroradiology, Tylosand Sweden, 5/18-5/22/1996. 5 lectures and workshops on Anatomy.

Lecturer: International Pediatric Radiology, Boston Massachusetts, 5/25/1996. "Determination of the Body Plan.

Faculty, Refresher Course and Featured Speaker at Meeting. 34th Annual Meeting of the American Society of Neuroradiology. Seattle, Washington 6/21-27/1996. "Meningioma," "Sunrise Seminars: Neuroanatomy Review: Temporal Lobe, Central Sulcus, and Deep Structures of the Brain" (3 lectures).

Faculty: Lectures in Neuroanatomy, Sixteenth in a Series, Medical College of Wisconsin. Chicago, Illinois, 9/27-29/1996. "Post Natal Development and Myelination of the Brain," Topographical Anatomy of the Cerebral Hemispheres," and The Basal Ganglia."

Neuroradiology Faculty: Neuroradiology, Head and Neck Radiology and Neuro-MRI, Harvard Medical School. Boston, Massachusetts, 10/ 7-11/1996. Mini Refresher Course, "Brain Anatomy by MRI", Juan M. Taveras - Lectureship: Analysis of the Central Sulcus and Adjacent Gyri in Axial CT and MRI."

Guest Faculty: Twenty-third Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Brain, Head, Neck & Spine. Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 10/24-25/1996. "Anatomy for Imaging of Seizure Disorders" and "Imaging of Pediatric Brain Tumors."

Faculty: Contemporary Neurosurgery Symposium and Florida Neurosurgery Society Annual Meeting. University of Miami School of Medicine, Innesbrook resort, Tarpon Springs, FL, 11/8 -10/1996. "MR Anatomy of Cortical Sulci."

PRESENTATIONS: (cont.)

Visiting Professor: University of Toronto, Toronto, Canada 1/7-7/1997. "Preparing and Presenting Audiovisual Material and Scientific Papers: Advice from a Journal Editor," "Brain Tumors in Children, with Surgical Correlation," and "Temporal Lobe Anatomy and Pathology."

Lecturer: Monthly meeting, Dept. of Obstetrics and Gynecology, Baptist Health Systems. Baptist Hospital of Miami, Miami, Florida, 1/10/1997. "Congenital Malformations of the Central Nervous System."

Guest Faculty: Neuroradiology: A Comprehensive Review. University of California, San Diego School of Medicine. Palm Beach, Florida, 1/13-14/1997. "Localizing Lesions along the Brain Surface: Parts I and II," "Congenital Brain Abnormalities, Parts I and II," "Pediatric Spine."

Guest Lecturer: National College of Advocacy Educational Program, American Trial Lawyers Association Winter Convention. Boca Raton, Florida 1/19/1997. "Neuroradiology in Orthopedic Malpractice Cases."

Guest Faculty: Noninvasive Symposium on Vascular Diagnosis. Miami Vascular Institute at Baptist Hospital, Miami Beach, Florida 1/26/1997. MRI vs. Carotid Duplex Scanning: Where are we Headed?

Director and Guest Faculty: Neuroradiology Section of the National Center for Advanced Medical Education, Review Course in Neurological Surgery. Chicago, Illinois, 1/31-2/2/1997. "MR Anatomy, I, Deep Structures; II Localization of Supratentorial Lesions; III Temporal Lobe," "Spinal Dysraphism," "Radionuclide Diagnosis of CNS Disease," "CT/MRI of Posterior Fossa, Normal and Extra-axial Lesions," Congenital Anomalies of the Face and Brain," Spinal Anatomy, Imaging Correlation" "Spinal tumors and Trauma," "Degenerative Spondylosis and Disk Disease," "Infarction, Hemorrhage, and Cerebrovascular Disease," Current Imaging of Aneurysms and Arteriovenous Malformations," "Development of the Nervous System."

Lecturer: Instituto de Angiografia Diagnostica E Terapeutica, University of Lisbon, Portugal. 3/10/1997 "Precise Gyral and Sulcal Localization of Lesions of the Cerebral Hemisphere" and Temporal Lobe Anatomy and Seizures.

Lecturer: Hopital Cantonal Universitaire de Geneve, Geneva Switzerland, 3/11/1997. "Precise Gyral and Sulcal Localization of Lesions by CT and MRI."

Course Faculty: 6th Zurich Course in Interventional Neuroradiology. 3/10-11/1997. "MR Identification of the Location of Superficial Brain AVM/s: Sulcal and Gyral Anatomy of the Brain."

"MR Identification of the Location of Deep Brain AVM's: Deep Brain Anatomy," Workshop on Brain AVM Embolization, and "MR Display of Brain Surface."

Invited Faculty: Litigating Catastrophically Injured Infant Cases, sponsored by ATLA. Atlanta, Georgia 4/11/97. "Determining the Timing of Birth Injuries Using Ultrasound, CT Scans and MRIs."

Invited Speaker: American Society of Neuroradiology, 35th Annual Meeting, Toronto, Canada 5/18-5/22/1997. Focus Session: Malformations of Cerebral Cortical Development.

Guest Faculty: European Course in Neuroradiology, Leuven, Belgium, 5/30-6/3/1997. "Congenital Anomalies of the Skull Base," Workshops on Congenital Anomalies of the Skull Base.

Profesor Invitado: Curso: Avances en Radiología, Depto. Radiología Hospital Clínico U. Católica Santiago, Chile, 8/13-16/1997. "Hidrocefalia: Conceptos actuales" (Recent Advances in Hydrocephalus), "Neuroimagen en el TEC" (Neuroimaging in CNS trauma), "Neuroimagen en el AVE" (Neuroimaging of stroke), "Neuroimagen en tumores del SNC" (Neuroimaging of brain tumors).

Invited Lecturer, IV Congreso Argentino de Neuroradiología. Asociación Argentina de Neuroradiología Diagnóstica y Terapéutica, AANDiT, Buenos Aires, Argentina, 9/10-11/97. "Embriología aplicada del desarrollo cerebrovascular," "Anatomía del cortex cerebral y su aplicación a la Fisiología Cerebral," "Malformaciones congénitas del Cerebro," and Columna Vertebral y Médula Espinal. Anatomía aplicada a la IRM y Malformaciones Congénitas." "Nuevos conceptos en Hidrocefalia e IRM." Tumores del SNC. Correlación Anatómo-quirúrgica con TC e IRM," Stroke: Neuroradiología Secuencial en Stroke. Principales Patrones," Panelist: Aneurismas. Curso Pre-Congreso, 9 Septiembre, 1997: Cerebro y Sus Imágenes.

Neuroradiology Faculty: Neuroradiology, Head and Neck Radiology and Neuro-MRI, Harvard Medical School. Boston, Massachusetts, 9/15-19, 1997. Mini Refresher Course, "Brain Anatomy by MRI", "Myelination in Early Life: Normal/Abnormal."

Invited Lecturer, Course Organizer. IX Congreso Silan'97, Sociedad Ibero-latinoamericana de Neuroradiología Diagnóstica e Intervencionista. Quito, Ecuador 12 Oct - 18 Oct 1997. Curso de Anatomía Cerebral: "Anatomía Cortical Supratentorial," "Anatomía Supratentorial Profunda," "Tumores Supratentoriales (incluyen espectroscopia, Spect e Intervencionismo)," "Anatomía Límbica," Maduración Normal de la Sustancia Blanca," "Malformaciones de la Fosa Posterior," "Otras Malformaciones Cerebrales."

Featured Speaker: Annual Meeting, District I of the American College of Obstetricians and Gynecologists, Dorado Beach, Puerto Rico, 10/20/97. "Birth Asphyxia versus Pre-Natal Injury."

Guest Faculty: Twenty-fourth Annual Course on Computed Tomography and Magnetic Resonance Imaging of the Brain, Head, Neck & Spine. Rush-Presbyterian-St. Luke's Medical Center. Chicago, Illinois, 10/30-31/1997. "Understanding Hydrocephalus (Hydrodynamics of Cerebrospinal Fluid)" and "Imaging Analysis of the Posterior Fossa."

Featured Speaker: Symposium: New Frontiers in Epilepsy, Clinical, Surgical and Basic Sciences. King Faisal Specialist Hospital and Research Centre. Riyadh, Saudi Arabia. 11/11-12/1997. "Advances in Magnetic Resonance Imaging in Temporal Lobe Epilepsy," and "MRI Findings in the Extra-Temporal Lobe Epilepsies."

Invited Speaker: 5th Congress of the European Society of Magnetic Resonance in Neuropediatrics. Amsterdam, The Netherlands, 12/18-20/1997. "MRI of Rare Neurocutaneous Disorders."

Invited Speaker: Litigating Catastrophically Injured Infant Cases Seminar, ATLA National College of Advocacy. Palm Beach, FL Jan 2, 1998. Timing of Birth Injuries - Diagnostic Studies.

Invited Speaker: Minisymposium. Amsterdam, the Netherlands, Jan 8, 1998. "The Chiari II Malformation" and "Development of the Central Nervous System."

Guest Faculty: 2nd Annual Symposium on Noninvasive Vascular Diagnosis. Miami, FL Jan 11, 1998. Moderator: Cerebrovascular Evaluation," "Anatomic Correlation of Duplex and MRA in the Cerebrovascular System," Panel Discussion: "Accuracy of Duplex Versus Angiography."

Director and Guest Faculty: Neuroradiology Section of the National Center for Advanced Medical Education, Review Course in Neurological Surgery. Chicago, Illinois, 1/30-2/1/1998. "MR Anatomy, I, Deep Structures; II Localization of Supratentorial Lesions; III Temporal Lobe," "Spinal Dysraphism," "Radionuclide Diagnosis of CNS Disease," "CT/MRI of Posterior Fossa, Normal and

Extra-axial Lesions,” Congenital Anomalies of the Face and Brain,” Spinal Anatomy, Imaging Correlation” “Spinal Tumors and Trauma,” “Degenerative Spondylosis and Disk Disease,” “Infarction, Hemorrhage, and Cerebrovascular Disease,” Current Imaging of Aneurysms and Arteriovenous Malformations,” “Development of the Nervous System.”

Faculty: 1998 Neuroscience Symposium, Baptist Health Systems. Miami, Florida. 3/6-7/1998. “Advances in Neuroradiology: Diagnostic Modalities.”

Guest Lecturer: Pediatric Review Conference. Baptist Health Systems, South Miami, Florida, 4/22/1998 With Dr. Michael Duchowney, “Review of Seizures Associated with Fevers and Neuroimaging Guidelines for Seizure Disorders.”

Invited Faculty: Teaching Course NEUROIMAGING. Eighth Meeting and Tenth Anniversary of the European Neurological Society. Nice France, 6/6-6/10/1998. “Brain Anatomy.”

Invited Faculty: Skull Base Course. SILAN (X Congreso Silan’98, Sociedad Iberolatinoamericana de Neuroradiologia Diagnostica e Intervencionista). Porto, Portugal. 12 June - 16 June 1998. Malformaciones Congenitas De La Fossa Posterior; La Base Del Cranio Pediatrico; Malformaciones Congenitas De La Fossa Anterior.

Invited Speaker: Pan American Neurosurgical Update Course, Dept. of Neurological Surgery, University of Miami. Miami Beach, FL. 6/18-21/98. “Intracranial Anatomy as seen with MRI. (in Spanish)

Invited Speaker: Brazilian Society of Neuroradiology, Brazilian Congress of Neurology, São Paulo, Brazil, 8/29-9/3/98. “Hydrocephalus” “Genetics of CNS Malformations,” “Normal Myelination,” “Perinatal Asphyxia,” “Anatomy, Superficial and Temporal Lobe.”

Invited Lecturer, IV Congreso Argentino de Neuroradiologia. Asociacion Argentina de Neuroradiologia Diagnostica y Terapeutica, AANDiT, Buenos Aires, Argentina, 9/9-9/10/98. “Correlación Neuroanatómica,” “Infartos,” “Formación del hipocampo,” “Disrafias espinales,” “Anatomía de la sustancia gris profunda,” “Anatomía de la fosa posterior” and “Futuro de la Neuroradiología.”

Invited Speaker: Inaugural Meeting: Sociedad Uruguaya de Neuroradiologia. Montevideo, Uruguay, 9/12/98. Aspectos del Patología Genética Aplicada a Malformaciones del Sistema Nervioso,” “Anatomía del Sistema Nervioso,” “Tumores del Sistema Nervioso.”

Neuroradiology Faculty: Neuroradiology, Head and Neck Radiology and Neuro-MRI, Harvard Medical School. Boston, Massachusetts, 9/13-16/98. Mini Refresher Course, “Brain Anatomy by MRI”, “Myelination in Early Life: Normal/Abnormal,” “Brain: Congenital Anatomic Anomalies, Parts I and II.”

Guest Speaker: AANS/CNS Congress of Neurological Surgeons, Annual Meeting. Seattle Washington, 10/6/98. “Neurocutaneous Syndromes.”

Guest Faculty: Mount Sinai 1998 Update: Brain, Spine, Neurovascular & ENT Imaging. 10/14-18/98. “Congenital Malformations of the Brain,” “Understanding Hydrocephalus,” Localizing Lesions Along the Cortex,” “Imaging the Posterior Fossa.”

Guest Faculty: First Annual Course of Neuroanatomic and Neuroradiologic Applications in Neurology and Neurosurgery - The Cortex. 11/19-21/98, Munich Germany. “Frontal Basal and Olfactory System,” “Sylvian fissure and Supratemporal Surface: Language and Audition,” “Hippocampus and Memory,” “Occipital Region and the Visual System,” “Medial Surface and the Limbic System,” “Cerebral Asymmetry,” “Anatomic Considerations in Stroke.”

Speaker: Review Course in Neurological Surgery, Chicago, Illinois. Jan. 29 – Feb. 7, 1999. “Deep Structures of the Brain.” “Anatomy of the Temporal Lobe.” “Congenital Anomalies of the Face and Brain.” “The Developing CNS, Brain.” “Posterior Fossa Anatomy.” “Surface Anatomy of the Brain.” “Vascular Territories of the Brain.” “Degenerative Diseases of the Spinal Column.” “The Developing Nervous System, Spine.” “Congenital Spinal Anomalies.”

Visiting Professor: Radiology Grand Rounds. “From DNA to MRI.” St. Luke’s Roosevelt Hospital, NY, NY. Apr. 20, 1999.

Invited Speaker: (multiple topics in Spanish). Caracas, Venezuela. May 17 – 20, 1999.

Guest Speaker: SILAN 99 La Coruna (Galicia) Spain. Sept. 14 –17, 1999. (in Spanish) “Development of the Spine.” “Normal Aging of Intervertebral Discs and Ligaments.” “Malformations of the Spinal Column.” “Malformations of the Spinal Cord.”

Medical Student Lectures. Mount Sinai Hospital, New York, NY. Brain and Behavior 1999. "Embryologic Development of the Nervous System." "Neuropathology of Developmental Disorders."

Invited Speaker: Second Annual International Meeting of the Uruguayan Society of Neuroradiology. Montevideo, Uruguay (concurrent with Third Congress of the Neurosurgical Society of the Southern Cone)

Oct. 2-5-, 1999. (in Spanish). "Normal Development of the Brain." "Anatomy of the Brain." "Imaging Malformations of the Spine." "Primary Brain Tumors."

Invited Speaker: MGH Course in Neuroradiology. Oct. 5-6, 1999. Boston, Massachusetts. Brain Anatomy, Congenital Malformations of the Head and Face.

Invited Speaker: European Society of Head and Neck Radiology (ESHNR). Session 7: "The Facial Nerve" "Embryology: New Insights." Brugge, Belgium. Oct. 7-9, 1999.

Speaker: Mount Sinai 1999 Update: Brain, Spine, Neurovascular and ENT Imaging. New York, NY. "Surface Anatomy of the Brain." "CNS Trauma." "Posterior Fossa Tumors." "Suprasellar Lesions." "Deep Structures of the Brain." "Spinal Dysraphism."

Guest Faculty: Second Annual Course on Neuroanatomic and Neurologic Applications in Neurology and Neurosurgery. The Basal Ganglia and Brain Stem. Munich, Germany. Nov. 11-13, 1999. "Neuroradiologic Anatomy and Landmarks: Basal Ganglia." "Neuroradiologic Anatomy and Landmarks: Thalamus." "Making The Brain Stem and Diencephalon: From DNA to MRI."

Visiting Professor: North Shore University Hospital, Manhasset, New York. "Lessons from Neuropathology." "Imaging Evaluation of Brain Tumors." Nov. 17, 1999.

Refresher Course #405 RSNA. Nov. 30, 1999. Chicago, Illinois. Migrational and Proliferative Disorders.

Speaker: New York Roentgen Society. New York, NY. Dec. 13, 1999. Neuroradiology Update. "Surface Anatomy of the Brain."

Speaker: 18th Annual Course: CT/MRI Head to Toe. New York, NY, Dec 17, 1999.
"Anatomic Distribution of Strokes." Workshops, 8 and 9: "Useful Anatomy for Tumor Localization."

American Society of Neuroradiology 37th Annual Meeting, San Diego, CA. May 22 – 31, 1999.
"Watershed Ischemia."

Invited Speaker: German Society for Neurosurgery. Deutsche Gesellschaft für Neurochirurgie. Munich. June 5 - 9, 1999.
"Anatomic Localization along the Cortex."

Keynote Speaker: 3rd AOCHNR 99, Adelaide, Australia. June 12 – 14, 1999. "Temporal Lobe – Hippocampal Anatomy Including Seizure Evaluation." "The Basal Ganglia, Thalami and Deep White Matter Including Related Metabolic Diseases." "Gyral-Sulcal Anatomy of the Cerebral Surface Including 3D Surface Rendering." "From DNA to MRI, with Discussion of the Spine, Rhombencephalon, Diencephalon and Telencephalon." "Cerebellar Anatomy."

Invited Speaker: First Congress of Colombian Society of Neuroradiology. Santiago de Cali, Colombia. Aug. 12 – 15, 1999.
"Anatomy of the Cerebral Cortex." "Anatomy of the Temporal Lobe." "Evaluation of Hydrocephalus." "Cerebral Ischemia." (in Spanish).

Invited Speaker: Long Island Radiological Society. Roger Hyman Memorial Lecture. Mar 14, 2000. "Current Evaluation and Characterization of Cerebral Infarct."

Speaker: NEURO/ENT Imaging: Review and Update. Boca, Raton, Florida. Mar. 23 – 26, 2000.
"Head Trauma." "Nontraumatic Hemorrhage." "MR Spectroscopy." "Degenerative Diseases of the Spine."

Invited Speaker: SPR – ASPNR Post Graduate Courses. Naples, Florida. May 4-6, 2000. "Problem – Focused Strategies in Pediatric Neuroradiology. An Interactive Symposium. Subacute Chronic Encephalopathies of Childhood."

Speaker: European Course in Neuroradiology. Base of Skull and Maxillo – Facial Pathology. Sixth Cycle – Second Course. Opio (Nice) – France. May 19 –24, 2000. "Rhombomeric Organization of the Cranial Nerves." "Congenital Malformations of the Temporal Bone."

Speaker: European Stroke Meeting, Vienna, Austria. May 24, 2000. Anatomic Correlates of Functional MRI

Speaker: 21st International Congress of Radiology. Buenos Aires, Argentina. Sept. 4 –8, 2000. "Limbic System Anatomy." "Localization of Brain Lesions." "Embryology and Anatomy of the Skull Base."

Speaker: 2000 Harvard Postgraduate Course on Basic and Current Concepts in Neuroradiology. Boston October 2-6, 2000: Brain Anatomy by MRI, The Normal Infant Brain, Pediatric White Matter Lesions of the Brain, and Congenital Anomalies of the Brain (the last a fill in for a speaker unable to attend).

Speaker: British Society of Neuroradiology. Bristol, England. Oct. 13 - 14, 2000. “James Bull Lecture: From DNA to MRI.” “Birth Asphyxia and Hemorrhage.” “The Vascular Watershed.” “Deep Anatomy and Metabolic Disease: Understanding Patterns of Gray Matter Disease.”

Mount Sinai 2000 Update: Brain, Spine, Neurovascular and ENT Imaging. New York, NY. Oct. 18 – 22, 2000. “Useful Neuroradiology.” “Ultrasound/MRA of the Carotid Bifurcation.” “Migration Disorders and Common White Matter Lesions.” “Degenerative Disc Disease and Spondylosis.” “Advanced MRI: Brain Function.”

Speaker (and Course Director): Integrated Neuroradiology, Neurofunction and Neuroimaging. Third Annual Course on Neuroanatomic and Neuroradiologic Applications in Neurology and Neuroradiology. The Cortex. Topics: 1. Sylvian Fissure and Supratemporal Surface: Language - Neuroradiologic Anatomy and Landmarks, 2. Frontobasal and Olfactory System-- Neuroradiologic Anatomy and Landmarks, 3. Limbic System, Hippocampus and Memory- Neuroradiologic Anatomy and Landmarks, 4. Occipital Region and the Visual System: Neuroradiologic Anatomy and Landmarks, Munich, Germany, November 15-18 2000.

Speaker: RSNA 2000 November 27, 2000. Acute Stroke Intervention: “A Growing Concern in an Aging Population.”

Speaker: SILAN 2000. Punta del Este, Uruguay. Dec. 10 – 14, 2000. Didactic Symposium and Lectures in Pediatric Neuroradiology (in Spanish).

Invited Speaker: The 3rd MRI Symposium: Advances in Imaging and Interventional Neuroradiology [in Honor of Dr. Sook Yu Song]. Jan 10. 2001, The Bronx VA, The Bronx, New York. MRI Analysis of the Temporal Lobe and Hippocampal Formation, The Variable Anatomic Distribution of Infarctions of the Brain.

Speaker and Course Director Neuro/ENT Imaging: Review and Update. March 19-22, 2001, Naples, Florida. Topics: Evaluating Cerebrovascular Disease, CNS Trauma, Imaging CNS Infection, Toxic and Metabolic Disease, Functional MRI, Pediatric Spine,

Speaker: The New York Roentgen Society Annual Spring Conference. April 18-21, 2001 New York. CT and Basic Anatomy of Craniosynostosis.

Invited Speaker: European Course in Neuroradiology, Sixth Cycle, Third Course, Embryology of the Spine and Spinal Cord, Degenerative Disease of the Spine, Imaging the Brachial Plexus, Antalya, Turkey, May 12-17, 2001

Invited Speaker: Symposium on Neuroradiology; Hagepete University, Ankara, Turkey. Precise Anatomic Localization Along the Cerebral Convexity, Functional MRI: the Motor System, Functional MRI: Language.

Speaker: Medicine and Anatomy. Neck and Back Injuries. New York State Trial Lawyers Institute. Mount Sinai Medical Center, New York. June 8, 2001 Trauma and Degeneration of the Spine.

Invited Speaker: 11th Advanced Course and XXVII Congress of the European Society of Neuroradiology ANCONA, ITALY. TOPICS: MR MICROSCOPY OF THE HUMAN CEREBRAL CORTEX, & FUNCTIONAL MRI OF THE SENSORIMOTOR SYSTEM. (FLIGHT SCHEDULED ON SEPT 11, 2001 WAS CANCELLED BY TERRORISM).

INVITED SPEAKER 2001 HARVARD POSTGRADUATE COURSE NEURORADIOLOGY, HEAD AND NECK RADIOLOGY, CLINICAL FUNCTIONAL MRI AND SPECTROSCOPY SCHEDULED OCT 1-5, 2001 (ENTIRE COURSE CANCELLED BY TERRORISM).

Invited Speaker Mount Sinai 2001 Update: Brain, Spine, Neurovascular and ENT Imaging – State of the Art. October 15 – 21, 2001. Lectures: Sellar and Parasellar Tumors, Imaging Neonatal Neuropathology, Pathology of the Skull and Scalp, Pediatric Spine: common Lesions, Minisymposium on Functional Neuroimaging: The Motor System, Audition and Language, Olfaction, Vestibular Function and Vision.

Invited Speaker: Mt. Sinai Course on Neuro-Rehabilitation. “Brain Imaging, Brain Injury”. November 16, 2001.

Speaker: Neuroradiology and Head & Neck Imaging. Naples, Florida. March 18 – 21, 2002, Assessing Neonatal/Pediatric Stroke, Sellar and Parasellar Lesions, Infections of the CNS, Functional MR Imaging, The Pediatric Spine.

Invited Speaker: ATLA. Atlanta, Georgia. Litigating Catastrophically Injured Infant Cases: Diagnostic Studies. Ultrasound, CT Scan, MRI. February 22, 2002.

Invited Speaker: The American Society of Spine Radiology. 5th Annual Symposium. State of the Art Spinal Imaging and Image-Guided Intervention. February 25 – 28, 2002. Nassau, Bahamas. Topics: Spinal Dysraphism, and Complications of Spinal Instrumentation (both Thursday Feb. 28, 2002)

Visiting Professor. Department of Neurosurgery NYU School of Medicine. (Dr. Patrick Kelly, Chairman). Precise Gyral-Sulcal Localization of Cerebral Anatomy: From Structure to Function. April 12, 2002.

Invited Speaker. American Society of Neuroradiology. May 11, 2002, Vancouver, Canada

Topics: 1. Embryogenesis of the Spine. 2. Spinal Dysraphism..

Additional Papers presented at ASNR: 1. The Human Spinal Cord: MR Imaging of Excised Specimens at 9.4 Tesla.

2. MR Imaging of Symptomatic Rathke's Cleft Cysts,

3. MR Microscopy of Neuronal Migration Disorders.

4. MR Imaging of the Human Brain Stem at 9.4 Tesla.

Invited Speaker. Symposium on Functional Imaging. Institute of Neurology, Queen Square, London. May 23, 2002.

Topics: 1. Anatomy of the Occipital Lobe. 2. Anatomy of the Temporal Lobe. 3. Anatomy of the Fronto-basal Brain.

4. Anatomy of the Insula.

Invited Lecturer XVIIth Symposium Neuroradiologicum Paris August 18-24 2002

The Chemoarchitecture of the Basal Ganglia.

Invited Speaker: the Harvard Medical School Postgraduate Course in Neuroradiology. September 29-30, 2002.

1. Brain Anatomy, 2. Integrating Neuroanatomy of Functional MRI: Language Localization.

Invited Speaker: European Course in Neuroradiology, Creif, Scotland, October 6-10, 2002

"From DNA to MRI"

Invited Speaker: Mount Sinai 2002 Update:

Surface Anatomy, Supratentorial Tumors: Extra-axial, Imaging Evaluation of Seizures, CNS Trauma,

Invited Speaker Pediatric Grand Rounds New York University School of Medicine. October 22, 2002

Embryogenesis and Malformations of the CNS

Invited Speaker Rush-Presbyterian Medical Center Course November 1, 2002

Surface Anatomy of the Brain, Pediatric Stroke

Invited Speaker: SILAN (Sociedad Ibero-Latinoamericana de Neuroradiologia). Puchon, Chile. November 11-13, 2002

(10 lectures in Spanish): Surface Anatomy of the Brain, F-MRI of the Motor System, The Insula: Structure and Function, Temporal Lobe-Hippocampal Formation, Temporo-Parietal and Basal-Frontal Association Cortex, Anatomy of the Basal Ganglia, Thalami and Capsules, Chemoarchitecture and Metabolic Diseases of the Deep Brain, Classical Patterns of Stroke, Myelination of the CNS, Neonatal Hypoxic-Ischemic Stroke.

Invited Speaker The Postgraduate Course in Neurosurgery: The Brain Stem. Hanover, Germany November 23-24, 2002

1. Magnetic Resonance Microscopy of the Human Brain Stem, 2. The Chemoarchitecture of the Basal Ganglia.

Invited Speaker New York Roentgen Society. December 16, 2002 *"Classical Vascular Territories"*

Speaker and Course Director Neuro/ENT Imaging: Review and Update. March 17-20, 2003, Naples, Florida.

Topics: The Pediatric Spine, The Post-operative Spine, Surface Anatomy of the Brain, Anatomy of the Basal Ganglia and the Thalamus, Common Diseases of the Infant and the Child, Evaluating the Skull and the Scalp

Invited Speaker and Course Director: The Chicago Review Course in Neurosurgery January 31- February 1, 2003

Surface Anatomy and Functional MRI-Motor, Anatomy of the Basal Ganglia, The Basal Ganglia and the Motor Program, Anatomy of the Temporal Lobe, The T-P-O Confluence: Association Cortex, Supratentorial Tumors: Extra-axial; Posterior

Fossa Tumors: Extra-axial; Rare Phakomatoses; MS and Other Inflammations, Pediatric Stroke, Congenital Malformations of the Brain, Embryogenesis of the Spine, Congenital Malformations of the Spine, MS/Other Inflammations of the Spine, Degenerative Spondylosis, The Post-operative Spine.

Invited Speaker: The American Society of Spine Radiology. ASSR 2003. February 20, 2003, Scottsdale, AZ.
Congenital Spine Disease.

Invited Speaker. Symposium on Functional Imaging. Hospital for Neurological and Neurosurgical Diseases, Queen Square, London. May 19, 2003. Topics: 1. Anatomy of the Insula. 2. Surface Anatomy of the Brain. 3. The Insula and the Limbic Lobe. 4. MR Microscopy: The Brain at 9.4 Tesla.

Seminar Presentations to the Endocrine Fellows: Imaging of Sellar and Parasellar Pathology Parts I and II. October 2 and October 16, 2003 Mount Sinai Department of Endocrinology

Grand Rounds Presentation in Neurosurgery *Intraspinal Migration of Intracranial Subdural Hematomas.* October 15, 2003
Josser Delgado and Thomas P. Naidich.

Invited Speaker and Course Director: The Chicago Review Course in Neurosurgery January 30-31, 2004
Supratentorial Brain Tumors Adult; Surface Anatomy of the Brain; Classic Patterns of Ischemic Stroke; Intracranial Hemorrhage; Infections/Inflammation of the Brain; Embryogenesis of the Spine; Spinal Dysraphism; Spondylosis and Disc Disease; Spinal Cysts and Hydromyelia; Tumors and Inflammation of the Spine and Spinal Cord; Evaluating the Post-operative Spine; Congenital Malformations of the Face and Brain.

Co-Director and Speaker Fourth Annual Course Anatomy and Function: Correlating Clinical Findings, Neuro-Imaging & Functional MRI. March 31-April 2, 2004. *Anatomy of the Optic Apparatus: I. Nerves, Chiasm, Tracts and Lateral Geniculate Body; II. Optic Radiations and Visual Cortex.*

Invited Speaker: Harvard Medical School Course: Basic and Current Concepts in NEURORADIOLOGY. Clinical Functional MRI and Spectroscopy Cambridge, MA Sept 27-October 1, 2004:
Brainstem Anatomy and Stroke; MR Microscopy; and MRI Brain Anatomy.

Co-Director and Speaker Mount Sinai 2004 Update: Brain, Spine, Neurovascular & ENT Imaging October 14-17, 2004
Ischemia and Hemorrhage of the Newborn; Imaging Assessment of Head Trauma; Posterior Fossa Tumors: Pediatric; Posterior Fossa Tumors: Adult; Spondylosis and Disc Disease.

Grand Rounds Neurology: The Brain Stem: Detailed Structure and Pathology January 10, 2005 Mount Sinai Medical Center

Invited Speaker and Course Director for Neuroradiology: The Chicago Review Course in Neurosurgery January 28-30, 2005.
Surface Anatomy of the Brain; Classic Patterns of Ischemic Stroke; The Vascular and Melanotic Phakomatoses; Brain Tumors: Supratentorial Extra-axial; Anatomy: Basal Ganglia and Thalami; Anatomy: Temporal and Limbic Lobes; Infection/Inflammation of the Brain; Spondylosis and Disc Disease; Spinal Cysts and Hydromyelia; Evaluation of the Post-operative Spine; Embryogenesis of the Spine; Spinal Dysraphism; Birth Injury: HIE and Hemorrhage; Embryogenesis of the Face and Brain; Congenital Malformations of the Face and Brain; Brainstem and Cranial Nerves.

Invited Speaker: American Society of Spine Radiology. 2005 ASSR Annual Symposium. *Spinal Dysraphic Syndromes 2-24-05.*

Speaker, Neuro / ENT Imaging: Review and Update 2005 Naples Florida 14-17 March 2005:
Degenerative Discs and Spondylosis; The Pediatric Spine; Cerebrovascular Disease: Hemorrhage; Infections of the Brain and Meninges,

Invited Speaker and Course Co-Director: Fifth Annual Course Anatomy & Function Correlating Clinical Findings, Neuro-imaging & Functional MRI Institute of Neurology, London Queen Square April 18-21, 2005. Topics presented by TP Naidich:
1. *The Cortex and its Development,* 2. *Anatomy and Imaging of the Basal Ganglia,* 3. *Imaging of the Brain Stem,*
5. *Anatomy of the Language Areas,* 5. *Anatomy of the Hippocampus and the Temporal Lobe,* 6. *Anatomy Dissections*

Invited Speaker Institute of Neurology University College London "Short Course on Imaging of the Spine" May 9, 2005, Queen Square: 1. *Development of the Normal Spine,* 2. *Spinal Dysraphism and Related Malformations,* 3. *Post-operative Spine Imaging.*

Co-Director and Speaker Mount Sinai 2005 Update: Brain, Spine, Neurovascular & ENT Imaging October 21-23, 2005

Head Trauma, Common Problems in Pediatric Neuroradiology; Posterior Fossa Tumors: Pediatric; Posterior Fossa Tumors: Adult; Spondylosis and Disc Disease; Infections of the Spine and Cord, The Pediatric Spine..

Invited Speaker and Course Director for Neuroradiology: The Chicago Review Course in Neurosurgery January 27-28, 2006.
Surface Anatomy of the Brain; Anatomy of Classic Function (f-MRI), The Vascular and Melanotic Phakomatoses; Brain Tumors: Supratentorial Extra-axial; Anatomy: Basal Ganglia and Thalami (with targets for Deep Brain Stimulation); Anatomy: Temporal and Limbic Lobes; Spondylosis and Disc Disease; Spinal Cysts and Hydromyelia; Evaluation of the Post-operative Spine; Embryogenesis of the Spine; Spinal Dysraphism; Birth Injury: HIE and Hemorrhage; Infection/Inflammation of the Brain; Embryogenesis of the Face and Brain; Congenital Malformations of the Face and Brain; Brainstem and Cranial Nerves

Guest Speaker Greek Language Radio (Hellasnews-radio) [with translator]: January 31, 2006: Hydrocephalus, Brain Tumors, and February 10, 2006 Seizures

Neurology Grand Rounds Mt. Sinai Medical Center, NY. February 13, 2006 Pediatric Cerebrovascular Disease

Speaker and Course Director Neuro/ENT Imaging: Review and Update. March 13-17, 2006, Naples, Florida.
Topics: Spine: Spondylosis and Disks, Spine: Cysts and Dysplasias, Spine: Pediatric, Cerebrovascular Ischemia, Cerebrovascular Hemorrhage, The Seizure Patient, Intracranial Infection

Invited Speaker and Course Co-Director: Sixth Annual Course Anatomy & Function Correlating Clinical Findings, Neuro-imaging & Functional MRI Institute of Neurology, London Queen Square March 27-30, 2006. Topics presented by TP Naidich:
1. Surface Anatomy of the Brain on MRI, 2. Imaging the Brain Stem, 3. Anatomic Clues to the Pathophysiology of Stroke, 4. Anatomy of the Olfactory System (Perirhinal and Orbitofrontal Cortex), 5. Anatomy of the Vestibular System, 6. Anatomy of the Optic Nerves, Chiasm, Tracts and Lateral Geniculate Bodies

Invited Speaker and Judge Retzius Competition in Neuroanatomy Children's Hospital of Los Angeles April 3, 2006.

Visiting Professor: McGill University Medical Center, Montreal, Canada May 8-9, 2006,
Topics: Surface Anatomy of the Brain; Congenital Malformations of the Spine; Neuropathological Correlations of Neuroimaging.

Faculty: Sociedad Iberolatino-americana de Neuroradiologia, Puerto Rico, USA, June 5-9, 2006
Topics (in Spanish): Vascular Anatomy and Ischemia of the Brain; Functional Neuroradiology I; Functional Neuroradiology II.

Invited Speaker: Harvard Medical School Post Graduate Course in Neuroradiology. Sept 25 and Sept 26, 2006:
Topics: MRI Brain Surface Anatomy; Brain Anatomy and f-MRI; High Resolution MRI.

Faculty: European Course in Neuroradiology: Embryology-Anatomy-Malformations-Genetics: Basel, Switzerland, Oct. 20-24, 2006
 Topics: Cranial Nerves I and II; Cranial Nerves III, IV, V and VI; Cranial Nerves VII-XII, Embryogenesis and Congenital Malformations of the Cranial Nerves;

Invited Faculty: American Academy of Physical Medicine and Rehabilitation 2006 Annual Assembly, Hawaii, November 9-12.
Topics: Neuropathologic-Imaging Correlations in Head Trauma; MR Spectroscopy of Traumatic Brain Injury.

Faculty: RSNA 2006. Refresher Course No. RC205 (page 137 in program) November 27, 2006
 Smirniotopoulos JG, **Naidich TP**. Phakomatoses: Common and Uncommon

Faculty: Neurosurgery for Primary Care Providers. Spine Basics: Anatomy, Terminology, Imaging. New York, NY Jan. 20, 2007

Invited Speaker and Course Director for Neuroradiology: The Chicago Review Course in Neurosurgery January 26-27, 2007.
Surface Anatomy of the Brain; Anatomy of Classic Function (f-MRI), The Vascular and Melanotic Phakomatoses; Brain Tumors: Supratentorial Extra-axial; Anatomy: Basal Ganglia and Thalami (with targets for Deep Brain Stimulation); Anatomy: Temporal and Limbic Lobes; Spondylosis and Disc Disease; Spinal Cysts and Hydromyelia; Evaluation of the Post-operative Spine; Embryogenesis of the Spine; Spinal Dysraphism; Birth Injury: HIE and Hemorrhage; Infection/Inflammation of the Brain; Embryogenesis of the Face and Brain; Congenital Malformations of the Face and Brain; Brainstem and Cranial Nerves

Speaker and Course Director Neuro/ENT Imaging: Review and Update. March 12-15, 2007, Naples, Florida.
Topics: Spine: Spondylosis and Disks, Spine: Pediatric, Surface Anatomy of the Brain; The Deep Gray Nuclei and Capsules; Neurodegenerative Disorders; Intracranial Infection.

TAB 13

Curriculum Vitae

Elliot J. Pellman, MD, FACP

Personal information

Office:

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2800 Marcus Avenue
Lake Success, New York 11042

Home:

7 Hemlock Lane
Roslyn Heights, New York 11577

Tel: (516) 622-6040

Fax: (516) 622-6080

E-mail: epellman@prohealthcare.com

Birth date: January 17, 1954

Birthplace: Bayshore, New York

Citizenship: USA

Marital Status: Married

Education

Chief Resident: Internal Medicine (PGY VI)	1985-1986
Long Island Jewish Medical Center New Hyde Park, New York	
Fellowship: Rheumatology (PGY IV-V)	1983-1985
Long Island Jewish Medical Center New Hyde Park, New York	
Residency: Internal Medicine (PGY I-III)	1980-1983
Long Island Jewish Medical Center New Hyde Park, New York	
Medical: MD	
SUNY at Stony Brook (Fifth Pathway)	1979-1980
Autonomous Univ. of Guadalajara	1975-1979
Undergraduate: BA	1971-1975
New York University New York, New York	

Medical Licensure

New York State (144088)

10/24/1980

Professional Certifications

Diplomat, American Board of Internal Medicine

1983

Professional Experience

Academic and Teaching Appointments:

2006-Present

Associate Clinical Professor of Medicine/Rheumatology
Associate Clinical Professor of Orthopaedics
Mount Sinai School of Medicine
New York, New York

1995-2005

Clinical Assistant Professor of Medicine
Albert Einstein College of Medicine
Bronx, New York

1992-1994

Instructor of Medicine
SUNY at Stony Brook School of Medicine
Stony Brook, New York

1990-1991

Consultant
American Board of Sports Medicine

Hospital Appointments:

2006-Present

Departments of Medicine and Orthopaedics
Mount Sinai Medical Center
New York, New York

1997-Present

Department of Medicine
Lenox Hill Hospital
New York, New York

1986-Present

Department of Medicine
Long Island Jewish Medical Center
New Hyde Park, New York

Special Appointments and Positions:

2007-Present	Director of Medical Services New York Jets Football Club Hempstead, New York
2003-Present	Medical Advisor Office of the Commissioner Major League Baseball New York, New York
2001-2006	Medical Advisor/Liaison Office of the Commissioner National Football League New York, New York
2001-Present	Medical Director New York Dragons Arena Football Team Plainview, New York
1999-2001	President National Football League Physicians Society Indianapolis, Indiana
1998-2007	Chairman Medical Department New York Jets Football Club Hempstead, New York
1997-Present	Medical Director and Co-founder ProHEALTH Care Associates, LLP Lake Success, New York
1996-Present	Medical Director New York Islanders Hockey Club Plainview, New York
1994-2007	Chairman, NFL Committee on Mild Traumatic Brain Injury National Football League New York, New York
1993	Team Physician NFL Pro Bowl Honolulu, Hawaii
1988-1997	Associate Team Physician New York Jets Football Club Hempstead, New York

Professional Activities

Professional Associations and Societies:

1996-Present	National Hockey League Physicians Society -Member
1987-1997 2005-Present	American College of Physicians -Fellow
1988-Present	National Football League Physicians Society -Member
1986	American Rheumatism Association -Founding Fellow

Committee Service:

2007-Present	Alliance for NFL Retired Football Players -Member
2007-Present	National Football League Committee on Mild Traumatic Brain Injury -Member
2005-Present	National Football League Foot and Ankle Committee -Advisor
2004- Present	National Football League Cardiovascular Health Committee -Advisor
2003-Present	Major League Baseball Medical Advisory Committee -Advisor
2003-Present	MLB Health Advisory Committee (Minor League) -Member
2001-Present	NFL-NFL Player Association Joint Committee on Player Safety -Member
1995-Present	National Football League Injury and Safety Panel -Advisor

1994-2003	National Football League Physicians Society Executive Committee -Member
1994-2007	National Football League Committee on Mild Traumatic Brain Injury -Chairman

Honors/Awards

New York Sate Arthritis Foundation Awards Dinner- Chairman	2007
National Hispanic Medical Association- National Hispanic Health Leadership Award	2007
Professional Football Trainers Society- Appreciation	2006
Boy Scouts of America- Service Award	2005
Molloy College- Honoree	2004

Educational Activities

- Lenox Hill Sports Medicine Fellowship: one-year sports medicine orthopedic fellowship in which each Fellow (3) rotates 4 months at ProHEALTH. Responsible for supervising and designing fellow rotations with sports teams, specialty divisions and physicians.
- Medical Residents: Supervise, administrate and coordinate ProHEALTH sports medicine elective rotation through various divisions (medicine, orthopedics, radiology, physical therapy).
- Medical Students: Supervise, administrate and coordinate elective rotations through ProHEALTH Sports Medicine Division.

- National Football League: Supervise and coordinate medical education programs for league athletic trainers, team physicians and coaches including funding for NFL's annual team physician and athletic trainer scientific meeting and funding for every other year American Orthopedic Society for Sports Medicine National Sports Medicine Conference.
- National Football League: Supervised development and consultant for NFL Youth Football Health and Safety Series 4 books distributed nationally to high school and youth football coaches and administrators.
- Major League Baseball: Supervise and administrate medical education programs for minor and major league athletic trainers, team physicians, coaches and managers including annual funding for team physicians and athletic trainers scientific meeting.
- Major League Baseball: Supervise and administrate biannual Baseball EAP educational meeting to formulate and review Major and minor league drug policies, drug testing and treatment protocols.
- Major League Baseball: Supervise and administrate MLB's anabolic steroid and dietary supplement educational programs to MLB minor and major league clubs including players, coaches, Baseball personnel and medical staffs.
- ProHEALTH: developed, instituted and course director for ProHEALTH Sports Medicine Lecture Series: weekly 2 hour conference (CME approved NS/LIJ) with 35-40 physicians, fellow, resident, physical therapist and athletic trainer participation.

Bibliography

Peer-Reviewed:

- Casson IR, Viano DC, Pellman EJ: Summary of the "NFL Player Health and Safety Meeting. Neurosurgery. Accepted October 2007
- Viano DC, Casson IR, Pellman EJ: Concussion in Professional Football: Biomechanics of the Struck Player. Neurosurgery. 2007 August; 61 (2): 313-328.
- Casson IR, Pellman EJ, Viano DC. Neuropathology of Chronic Traumatic Encephalopathy (2nd Correspondence). Neurosurgery. 2006 November; 59 (5): 1182-1184.
- Pellman EJ, Viano DC: Concussion in Professional Football: Summary of the Research Conducted by the National Football League's Committee on Mild Traumatic Brain Injury. Neurosurgical Focus. 2006 October; 21 (4): E12 (1-10)
- Viano DC, Pellman EJ, Withnall C, Shewchenko N: Concussion in Professional Football: Performance of New Helmets in Reconstructed Game Impacts. Neurosurgery. 2006 September; 59 (3): 591-606.
- Casson IR, Pellman EJ, Viano DC. Chronic Traumatic Encephalopathy in a National Football League Player. Neurosurgery. 2006 May; 58 (5): E1003 (Letter)
- Pellman EJ, Lovell MR, Viano DC, Casson IR, Tucker AM. Concussion in Professional Football: Recovery in NFL and High School Athletes Assessed by Computerized Neuropsychological Testing. Neurosurgery. 2006 February; 58 (2): 263-274.
- Pellman EJ, Viano DC, Withnall C, Shewchenko N, Bir CA, Halstead PD. Concussion in Professional Football: Helmet Testing to Assess Performance. Neurosurgery. 2006 January; 58 (1): 78-96.
- Viano DC, Casson IR, Pellman EJ, Bir CA, Sherman D, Boitano M. Concussion in Professional Football: Comparison with Boxing Head Impacts. Neurosurgery. 2005 December; 57 (6): 1154-1170.

- Viano DC, Casson IR, Pellman EJ, Zhang L, King AI, Yang KH. Concussion in Professional Football: Brain Responses by Finite Element Analysis. Neurosurgery. 2005 November; 57 (5): 891-916.
- Viano DC, Pellman EJ. Concussion in Professional Football: Biomechanics of the Striking Player. Neurosurgery. 2005 February; 56 (2): 266-280.
- Pellman EJ, Viano DC, Casson IR, Arfken C, Feuer H. Concussion in Professional Football: Players Returning to the Same Game. Neurosurgery. 2005 January; 56 (1): 79-92.
- Pellman EJ, Lovell M, Viano DC, Casson IR, Tucker AM. Concussion in Professional Football: Neuropsychological Testing. Neurosurgery. 2004 December; 55(6): 1290-1305.
- Pellman EJ, Viano DC, Casson IR, Arfken C, Powell JW. Concussion in Professional Football: Injuries Involving 7+ Days Out. Neurosurgery. 2004 November; 55(5): 1100-1119.
- Pellman EJ, Viano DC, Casson IR, Tucker AM, Waeckerle JF, Powell JW, Feuer H. Repeat Concussions in Professional Football. Neurosurgery. 2004 October; 55(4): 860-876.
- Pellman EJ, Powell J, Viano DC, Casson IR, Tucker AM, Feuer H, Lovell M, Waeckerle JF, Robertson DW. Concussion in Professional Football: Epidemiological Features of Game Injuries and Review of the Literature. Neurosurgery. 2004 January; 54(1): 81-96.
- Pellman EJ, Viano DC, Tucker AM, Casson IR. Concussion in Professional Football: Location and Direction of Helmet Impacts. Neurosurgery. 2003 December; 53(6): 1328-1341.
- Pellman EJ, Viano DC, Tucker AM, Casson IR, Waeckerle JF. Concussion in Professional Football: Reconstruction of Game Impacts and Injuries. Neurosurgery. 2003 October; 53(4): 799-814.
- Pellman EJ. Background on the NFL's Research on Concussion in Professional Football. Neurosurgery. 2003 October; 53(4): 797-798.
- Baker BA, Ruck B, Pellman E: Minoxidil-associated pericardial effusion. Dug Intelligence and Clinical Pharmacology: 1987 September: 21(9): 753

- Pellman EJ, Kumari S, Greenwald RA. Rheumatoid Iliopsoas Bursitis Presenting as Unilateral Leg Edema. Journal of Rheumatology. 1986; 13(1): 197-200.
- Pellman EJ, Greenwald RA. Relapsing Polychondritis. Clinical Rheumatology In Practice. 1985 June; 3(6): 336-345.
- Pellman EJ, Sumner P, Greenwald RA. Thyroid Myopathy Mimicking Polymyositis. Clinical Rheumatology In Practice. 1984 September; 2 (9): 224-227.
- Pellman EJ, Greenwald RA. Sjogren's Syndrome with Interstitial Nephritis. Clinical Rheumatology In Practice. 1984 March; 2(3): 82-88.

Abstracts

- Tucker AM, Lincoln AE, Carter EA, Vogel RA, Yates AP, Pellman EJ, Heyer RA, Wilson PW. Echocardiography Characteristics in a Sample of Professional Football Players. American College of Sports Medicine. May 31, 2007

Book Chapters

- Casson IR, Pellman EJ, Viano DC. Concussion in the National Football League: An Overview for Neurologists. Neurologic Clinics-Sports Neurology. Accepted 2007.

Non-Peer Reviewed Publications:

- Pellman EJ (series consultant), Goldberg B (editor), Hershman E (consultant). Play Safe! The National Football League Youth Football Health and Safety Series. Book 4. May 2003.
- Pellman EJ (series consultant), Goldberg B (editor) Hershman E (consultant). Play Safe! The National Football League Youth Football Health and Safety Series. Book 3. April 2003.
- Pellman EJ (series consultant), Goldberg B (editor) Hershman E. Play Safe! The National Football League Youth Football Health and Safety Series. Book 2. March 2003.
- Pellman EJ (series consultant), Goldberg B (editor), Hershman E (consultant). Play Safe! The National Football League Youth Football Health and Safety Series. Book 1. February 2003.

Presentations

Physician Lectures (1997-present):

- May 8, 2007, ProHEALTH Sports Medicine Lecture Series, Lake Success, New York: Medical and Legal Controversies: Care of Mild traumatic Brain Injury.
- April 11, 2007, New York College of Osteopathic Medicine, Old Westbury, New York: Medical Ethics and the Team Physician.
- February 22, 2007, NFL Team Physicians Annual Combine Meeting, Indianapolis, IN: What Is Appropriate On-Field Medical Coverage for Mild Traumatic Brain Injury?
- December 7, 2006, Northwestern University Feinberg School of Medicine 2nd Annual Conference on Medical and Legal Controversies in Sports Medicine, Chicago, Illinois: Medical and Legal Controversies: Care of Mild Traumatic Brain Injury.
- December 4, 2006, Major League Baseball Annual Team Physicians Meeting, Orlando, Florida: Cardiovascular Screening for Elite Athletes.
- May 11, 2006, American Orthopedic Society for Sports Medicine National Conference on Sports Medicine & Football: The 2006 Perspective, Hollywood, Florida: Concussions in the National Football League.
- May 2, 2006, ProHEALTH Sports Medicine Lecture Series, Lake Success, New York: Medical Ethics and the Team Physician.
- March 15, 2006, North Shore University/Long Island Jewish Medical Center Rheumatology Grand Rounds, New Hyde Park, New York: The Use of NSAIDs to Enhance Performance of Professional Athletes.
- December 5, 2005, Major League Baseball Annual Team Physician Meeting, Dallas, Texas: Performance Enhancing Agents and the Need for Mandatory Drug Testing.
- December 1, 2005, Northwestern University Feinberg School of Medicine Conference on Medical and Legal Controversies in Sports Medicine, Chicago, Illinois: Mild Traumatic Brain Injury.
- May 20, 2005, Brigham and Women's Hospital-Harvard Medical School Sports Concussion and Spine Injury Conference, Boston, Massachusetts: Concussions in the National Football League.

- May 18, 2005, Mount Sinai School of Medicine Orthopedic Grand Rounds, New York, New York: Concussions in the National Football League.
- April 14, 2005, ProHEALTH Sports Medicine Lecture Series, Lake Success, New York: Prognostic Indicators for Mild Traumatic Brain Injury.
- February 25, 2005, National Football League Physician Society's Annual Scientific Conference, Indianapolis, Indiana: Mild Traumatic Brain Injury and Return To Play Decisions.
- January 25, 2005, New York Dermatological Society, New York, New York: The Role of the Medical Advisor In Professional Sports Leagues.
- December 11, 2004, Major League Baseball Team Physicians Annual Meeting, Anaheim, California: Team Medical Sponsorships and the Effect on the Team Physician.
- December 10, 2004, Major League Baseball Combined Team Physician and Athletic Trainers Meeting, Anaheim, California: Health Care Providers Enabling The Use Of Anabolic Steroids?
- June 26, 2004, American Orthopedic Society for Sports Medicine Annual Meeting, Quebec City, Canada: Ethical and Legal Issues in Treating Athletes in a Competitive Environment.
- May 10, 2004, ProHEALTH Sports Medicine Conference, Lake Success, New York: A Personal Perspective on Contemporary Sports Medicine.
- March 6, 2004, New York Downstate American College of Physicians Conference, New York, New York: Sports Medicine for the Internist.
- February 21, 2004, National Football League Physicians Society Annual Scientific Conference, Indianapolis, Indiana: The Biomechanics of Mild Traumatic Brain Injury in Professional Football Players.
- December 13, 2003, Baseball Team Physicians Scientific Meeting, New Orleans, Louisiana: MRSA and the Professional Athlete
- December 12, 2003, Baseball EAP Winter Meeting, New Orleans, Louisiana: Testing for Anabolic Steroids and Performing Enhancing Agents.
- September 24, 2003, Boehringer Ingelheim Lecture, New York, New York: The Medical Treatment of Osteoarthritis.

- August 25, 2003, Major League Baseball Physician and Athletic Trainers Medical Conference, New York, New York: The Use of IM Ketorolac Tromethamine in Professional Athletes.
- July 25, 2003, Baseball EAP Medical Conference, San Francisco, California: Dietary Supplements and Professional Baseball Players.
- June 23, 2003, PGA Medical Staff and Tour Members, Orlando, Florida: Update and Risk of SARS to Professional Golf Association Players and Staff.
- June 5, 2003, American College of Surgeons, New York, New York (Keynote Speaker): National Football League Research Project on Mild Traumatic Brain Injury.
- May 9, 2003, American Orthopedic Society Sports Medicine Sports Medicine 2003, San Francisco, California: Mild Traumatic Brain Injury in Athletes.
- May 6, 2003, Major League Baseball Team Physicians and Athletic Trainers, New York, New York: Risk and Prevention of SARS to Major League Baseball Players and Staff.
- April 29, 2003, American College of Dermatology, New York, New York: Baseball Players and the Risk and Prevention of Skin Cancer.
- April 28, 2003, Major League Baseball Team Physicians and Athletic Trainers, New York, New York: Risk and Prevention of SARS to Major League Baseball Players and Staff.
- April 10, 2003, ProHEALTH Sports Medicine Conference, Lake Success, New York: Mild Traumatic Brain Injury and the Professional Football Player.
- February 20, 2003, National Football League Physician's Society Scientific Meeting, Indianapolis, Indiana: Update on the National Football League's Mild Traumatic Brain Injury Research Project.
- February 11, 2003, GENECOM Teleconference Lecture Series, Lake Success, New York: The Medical Management of Osteoarthritis.
- February 5, 2003, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Management of Osteoarthritis.

- November 14, 2002, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Management of Osteoarthritis.
- November 8, 2002, NOCSAE, New York, New York: Update on the National Football League Mild Traumatic Brain Injury Research Project.
- November 7, 2002, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Management of Osteoarthritis.
- October 24, 2002, GENECOM Teleconference Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Management of Osteoarthritis.
- October 9, 2002, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Treatment of Osteoarthritis.
- September 11, 2003, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Efficacy and Safety in the Management of Osteoarthritis.
- September 3, 2002, GENECOM Teleconference Lecture Series, Lake Success, New York: Striking the Balance of Safety and Efficacy in the Treatment of Osteoarthritis.
- July 24, 2002, National Football League Medical Conference, New York, New York: Update on National Football League Policy on Dietary Supplements.
- March 1, 2002, National Football League Medical Symposium on Heat Exhaustion and Dietary Supplements, Indianapolis, Indiana: Professional Athletes and the Risk in Performing in Adverse Weather Conditions.
- August 6, 2001, National Football League Medical Teleconference, New York, New York: Heat Exhaustion Recognition and Treatment.
- May 13, 2001: AOSSM Annual Conference, Phoenix, Arizona: Mild Traumatic Brain Injury and the Professional Athlete.
- April 22, 2001, Boehringer Ingelheim Medical Conference, New York, New York: Management and Treatment Options for Osteoarthritis.
- February 23, 2001, National Football League Physicians Society Scientific Conference, Indianapolis, Indiana: The Risk of Mild Traumatic Brain Injury for the Professional Football Player.

- October 17, 2000, Johnson & Johnson Ethicon Division Annual Scientific Meeting (Keynote Speaker), Livingston, New Jersey: Modern Sports Medicine: A Personal Perspective.
- April 13, 2000, American College of Physicians Regional Meeting: Philadelphia, Pennsylvania: Non-Steroidal Anti-inflammatory Drugs: Risks and Benefits.
- February 25, 2000, National Football League Physician's Society Scientific Meeting, Indianapolis, Indiana: Update: Diagnosis and Treatment of Mild Traumatic Brain Injury.
- May 8, 1999, Sports Medicine 1999 A National Football League and AOSSM Perspective, Bal Harbour, Florida: Concussions: Diagnosis and Management.
- March 1998, American College of Rheumatology Sports Medicine Conference (Keynote Speaker), Phoenix, Arizona: Sports Medicine and the Rheumatologist.
- March 1998, American College of Rheumatology Sports Medicine Conference (workshop), Phoenix, Arizona: The Role of the Team Physician.
- February 19, 1998, National Football League Physicians Society Scientific Meeting, Indianapolis, Indiana: Neuropsychological Testing and Mild Traumatic Brain Injury.
- December 18, 1997, National Athletic Trainers Association Eastern Regional Conference (keynote speaker), Boston, Massachusetts: National Football League Perspective on Mild Traumatic Brain Injury.
- December 11, 1997, Concussion in Sports and AOSSM Sports Medicine Workshop, Chicago, Illinois: National Football League Perspective on Mild Traumatic Brain Injury.
- May 23, 1997, NFL Symposium on Mild Traumatic Brain Injury, Phoenix, Arizona: National Football League Perspective on Mild Traumatic Brain Injury.
- May 16, 1997, NFL Symposium on Mild Traumatic Brain Injury, New York, New York: National Football League Perspective on Mild Traumatic Brain Injury.

- February 10 1997: University of Pittsburgh Sports Related Concussions and Nervous System Injuries, Pittsburgh, Pennsylvania: National Football League's Perspective on Mild Traumatic Brain Injury.

Selected Lay Lectures (1997-present):

- March 27, 2007, National Football League Annual Owners Meeting, Phoenix, Arizona: Injury Data Analysis.
- March 5, 2007, National Football League Equipment Managers Annual Meeting, San Francisco, CA: Prevention of MRSA Infections.
- May 17, 2006, The New Mexico Amigos (New Mexico's Goodwill Ambassadors), New York, New York: A Personal Perspective on Contemporary Sports Medicine.
- March 27, 2006, National Football League Annual Owners Meeting, Orlando, Florida: Stress and Other Health Risks of NFL Executives.
- March 6, 2006, National Football League Equipment Managers Annual Meeting, Phoenix, Arizona: Critical Analysis of Footwear To Prevent Injuries.
- May 10, 2005, National Football League George Young Coaches Symposium, Orlando, Florida: Medical Issues in the National Football League.
- April 21, 2005, National Football League Worker's Compensation Attorney Panel Annual Conference, Hollywood, Florida: Player Injury and Safety in the National Football League.
- March 21, 2005, National Football League Annual Owners Meeting, Maui, Hawaii: 2004 NFL Injury Analysis.
- March 7, 2005, National Football League Equipment Managers Annual Meeting, Orlando, Florida: The Prevention of Heat Exhaustion.
- January 13, 2005, Major League Baseball Owners Meeting, Phoenix, Arizona: Major League Baseball's New Anabolic Steroid Policy.
- November 11, 2004, Major League Baseball General Managers Meeting, Key Biscayne, Florida: Physician Sponsorships: Good or Bad for Major League Baseball?

- October 5, 2004, National Football League Charities Executive Committee, New York, New York: The Objective for Medical Research Funding.
- July 7, 2004, NCAA Baseball Committee, Indianapolis, Indiana: The Rational Behind MLB's 2004 Drug Testing Program for Performing Enhancing Agents.
- May 20, 2004, Major League Baseball Owners Meeting, New York, New York: Testing Programs and the Effect on the Use of Performing Enhancing Agents.
- May 12, 2004, National Football League George Young Coaches Symposium, Orlando, Florida: The Role of the Team Physician.
- March 29, 2004, National Football League Annual Owners Meeting, Palm Beach, Florida: Collection and Analysis of National Football League Injury Data.
- March 27, 2004, Major League Baseball Players Meeting, Orlando, Florida: The Health Risks of Anabolic Steroids and Dietary Stimulants.
- March 18, 2004, Major League Baseball Players Meeting, Fort Myers, Florida: The Health Risks Of Anabolic Steroids and Dietary Stimulants.
- March 3, 2004, National Football League Equipment managers Annual Meeting, Laguna Hills, California: Critical Analysis of Football Helmet Prevention of Mild Traumatic Brain Injury.
- February 27, 2004, Major League Baseball Players Meeting, Tucson, Arizona: The Health Risks of Anabolic Steroids and Dietary Stimulants.
- January 9, 2004, Major League Baseball Rookie Symposium, Washington, DC: The Health Risks of Performing Enhancing Agents.
- November 13, 2003, Major League Baseball Annual Executive/General Manager Meeting, Phoenix, Arizona: The Role of the Team Physician.
- May 28, 2003, Major League Baseball Players Association, Bronx, New York: Risk of SARS to Major League Baseball Players and Staff
- May 20, 2003, National Football League George Young Coaches Symposium, Philadelphia, Pennsylvania: Dehydration and Heat Exhaustion.

- March 25, 2003, National Football League Owners Meeting, Phoenix, Arizona: Dietary Supplements.
- December 24, 2002, New York Racing Association, Brooklyn, New York: Healthcare and the Professional Athlete.
- May 22, 2002, Arthritis Huddle, New York, New York: Living With Osteoarthritis.
- May 15, 2002, National Football League George Young Coaches Symposium, Houston, Texas: Professional Athletes and Risks in Performing in Adverse Weather Conditions.
- March 18, 2002, National Football League Owners General Meeting, Orlando, Florida: Professional Athletes and Risks in Performing in Adverse Weather Conditions.
- January 29, 2003, National Football League Medical Update, New York, New York: The Risks of Bioterrorism in a Stadium Setting.
- December 11, 2001: National Football League General Employee Meeting, New York, New York: How to Pick a Physician?
- December 4, 2001: National Football League Players Association, Washington, DC: National Football League Mild Traumatic Brain Injury Research Project.
- September 10, 2001: Arthritis Huddle, New York, New York: Living with Osteoarthritis.
- May 11, 2000, National Football League Players Association, Washington, DC: Update on Mild Traumatic Brain Injury.
- March 28, 2000, National Football League Owners Meeting, Palm Beach, Florida: Research on Mild Traumatic Brain Injury.
- March 10, 2000, Sports Equipment Managers Annual Meeting, Orlando Florida: Head Safety Equipment and the Prevention of Mild Traumatic Brain Injury.
- November 22, 1997, Nassau County Football Coaches Association, Nassau County, New York: Mild Traumatic Brain Injury Recognition and Treatment.

Media Resource Educational Materials

- Educational Video/CD Rom, Health Risks and Anabolic Steroid Use, Major League Baseball, 2004, 2006.
- Educational Video/CD Rom, Heat and Supplements- Safety Issues, National Football League, 2002.
- Educational Video, Your Helmet and You, National Football League (general distribution), 1995

TAB 14

Curriculum Vitae

John W. Powell Phd ATC
6461 Pleasant River Dr
Dimondale, MI 48821 / 517-646-6310
email: powellj4@ath.msu.edu

FORMAL EDUCATION:

1966 - Michigan State University	Bachelor of Science Major: Biological Science
1970 - Indiana University	Master of Science Major: Health & Safety/Athletic Training Honors Diploma
1980 - Pennsylvania State University	Doctor of Philosophy Major: Physical Education/Health Education Epidemiology and Sports Safety

PROFESSIONAL EXPERIENCES:

INSTRUCTION:

Forty years experience as a classroom instructor in the physical and life sciences. The experiences include primary teaching responsibilities in biology, anatomy, physiology and physical science at the high school level and basic athletic training, health education, anatomy, physiology, therapeutic exercise, therapeutic modalities, administration and injury control at the college level. The college level includes graduate teaching experience in injury control, advanced clinical evaluation and therapeutic exercise for masters and doctoral level students. Teaching experiences also includes sports medicine workshops for medical practitioners, coaches and parents organizations involved in improving sports injury prevention.

RESEARCH:

Thirty one years experience primarily in the area of sports injury epidemiology with a specific focus on the identification of risk patterns associated with high school, college and professional sports. Numerous publications regarding injury risk, injury prevention, product safety and clinical outcomes. Participant in numerous Orthopaedic Research projects as the research design and data analysis specialist. Senior Investigator for the University of Iowa Injury Prevention Research Center. Active participation on professional peer review panels for American Journal of Sports Medicine, the Journal of Athletic Training and American Society of Testing and Materials.

CLINICAL:

Forty years experience as a practicing athletic trainer at the high school and college level. Extensive clinical work in the area of injury prevention programs for all types of injuries. Design and development of injury rehabilitation protocols for a wide variety of injuries with special emphasis on establishing specific criteria for the injured persons safe return to activity. Planning programs to minimize the risk of initial injury and for those who are injured, minimizing their time loss and maximizing their productivity following their return.

PROFESSIONAL:

Numerous publications in professional journals and textbooks. Extensive experience as a lecturer for local, national and international symposia in Physical Education, Health Education, Athletic Training and Sports Medicine. Service as consultant to professional organizations for injury prevention, research design, data analysis and project organization. Awarded the William G. Clancy Jr MD, Medal for Distinguished Research in Athletic Training by the National Athletic Trainers' Association in 2000 and named Most Distinguished Athletic Trainer by the National Athletic Trainers' Association in 2005 and elected to the American Academy of Kinesiology and Physical Education in 2006.

TECHNOLOGY:

Twenty one years experience in the design and development of computer based information systems. These systems focus on the multi-site documentation of injury events, injury management, rehabilitation and return to activity. These systems are used to evaluate the injury risk of specific activities, the time-lost to activity as a result of injury, and develop injury prevention strategies to reduce the risk.

LEADERSHIP:

Faculty Liaison to The MSU Board of Trustee – 2007-2008
MSU University Committee on Faculty Affairs – Chair, 2007 -2008
Osteopathic National Center for Orthopedic Research (ONCOR) – Research Advisory Board, 2005-
MSU Academic Council Member- 2006-2008
MSU- Faculty Council Member – 2006-2008
MSU-Executive Committee of Academic Council – 2006-2008
MSU University Committee on Faculty Affairs – Co-Chair, Health Care Options Task Force 2006 -2008
MSU University Committee on Faculty Affairs – Co-Chair, 2006 -2007
MSU University Committee on Faculty Affairs – Chair, Budget Sub-committee, 2005 -2006
MSU College of Osteopathic Medicine – University Committee on Faculty Affairs - 2004 -2008
MSU Sports Medicine Research Initiative 2005 - present
National Football League Sub-committee for Foot/Ankle Injuries - Member, 2005 - present
MSU Healthy U – Board of Directors 2004
MSU Department of Radiology, Sports Sciences Center Steering Committee, 2003-2004
MSU Physical Medicine & Rehabilitation Research Committee – Chair 2003- Present
National Hockey League Injury Analysis Panel Member, 2000 - 2004
Honored Professional in Who's Who for Executives and Professionals 1996-1998
National Athletic Trainers Association, National High School Injury Registry, Director - 1995-1998
National Hockey League Team Physicians Society - Injury Committee, 1995 - 2004
National Hockey League Team Physicians Society - Consultant, 1991 - 2004
National Football League Injury and Safety Panel -Member, 1991 - present
National Football League Sub-committee for Mild Traumatic Brain Injury - Member, 1992 - present
National Hockey League Injury Surveillance System, Director, 1991 - 2004
Big Ten Conference Injury Surveillance System, Director, 1988 - present
National Football League Injury Surveillance System, Director, 1980 - present
Caremark Orthopedic Services, National Advisory Board - 1992-1994
National Athletic Trainer's Association Research and Education Foundation - President, 1991-1994
National Athletic Trainers Association, Foundation Task Force 1989-1991
National Athletic Trainers Association, Sponsorship Task Force 1989-1991
National Athletic Trainer's Association, Chairman, Research Committee, 1977 - 1989
National Athletic Trainers Association, National High School Injury Registry, Director 1985-1989
San Diego State University, College Curriculum Committee, Chairman-elect, 1988
San Diego State University, Physical Education Dept Curriculum Committee, Chairman, 1987-1988
San Diego State University, Athletic Training Undergraduate Curriculum Director

Pennsylvania State University, National Athletic Injury/Illness Reporting System, Director, - 1977-1983
 Pennsylvania State University, Safety Officer, College of HPER, 1983-1985
 Pennsylvania State University, Director, Athletic Training Undergraduate Curriculum,
 United States Military Academy, West Point, NY, Injury Prevention Team for the Corps of Cadets,
 Jaycees, Cornwall-on-Hudson, N.Y. President,
 Wayne Community Schools Wayne Michigan, Community Health and Safety Committee, Chairman

CERTIFICATES /LICENSES

Permanent Teaching Certificate	State of Michigan - 1968
Athletic Training Certificate	National Athletic Trainers Association -1970
Athletic Training License	State of Pennsylvania – 1986 to present
Athletic Training License	State of Iowa – 1994 to present

AWARDS

Fellow, American Academy of Kinesiology and Physical Education - 2006
 National Athletic Trainers' Association Most Distinguished Athletic Trainer – 2005
 Journal of Athletic Training – 1st Runner-up for Outstanding Research Manuscript – 2004
 William G.Clancy Jr MD – Medal for Distinguished Research in Athletic Training – 2000

EMPLOYMENT HISTORY

2005-	1985-1988
Associate Professor	Associate Professor
Departments of Kinesiology and Physical	Physical Education Department
Medicine & Rehabilitation	San Diego State University
105 IM Sports Circle	San Diego, CA 92182
Michigan State University	
East Lansing, MI 48824	
1999- 2005	1980-1985
Assistant Professor	Assistant Professor
Departments of Kinesiology and Physical	Health Education Department
Medicine & Rehabilitation	White Building
105 IM Sports Circle	The Pennsylvania State University,
Michigan State University	University Park, PA. 16802
East Lansing, MI 48824	
1994- Present	1975-1980
President /CEO	Instructor
Med Sports Systems, Ltd	Health Education Department
6461 Pleasant River Dr.	White Building
Dimondale, MI 48821	The Pennsylvania State University,
	University Park, PA. 16802
1988-1994	1971-1975
Research Associate	Instructor/Athletic Trainer
Department of Orthopedic Surgery	Office of Physical Education
University of Iowa Hospitals & Clinics	United States Military Academy
University of Iowa	West Point, NY 10996
Iowa City, IA 52242	
	1967-1971
	Teacher/Athletic Trainer
	Wayne Memorial High School
	Wayne, Michigan

I. PROFESSIONAL PUBLICATIONS

A. Articles in Refereed Journals

1. R.M. Malina, T.P. Dompier, J.W.Powell, M.J. Barron, and M.T. Moore, 2007. Validation of a noninvasive maturity estimate relative to skeletal age in youth football players. *Clinical Journal of Sports Medicine* 17:362-368
2. Covassin t, Weiss L, Powell JW. Womack C, The Effects of a Maximal Exercise Test on Neurocognitive Function, *British Journal of Sports Medicine*, Jan 2007 (in press) (IP: 1.24)
3. Barron MJ, Powell JW, Ewing M, Nogle S, Branta C, First Aid and Injury Prevention Knowledge of Youth Basketball, Football, and Soccer Coaches, *J Athl Train.*, in review (IP: 1.17)
4. Dompier TP, Powell JW, Barron MJ, Moore MT. Analysis of time loss and non-time loss injuries in youth football players. *J Athl Train.* (In Press). (IP; 1.17)
5. Malina RM, Dompier TP, Powell JW, Barron MJ, Moore MT. Noninvasive maturity estimation: validation with skeletal age in youth football players. *Clin J Sports Med* (In Review).(IP:1.24)
6. Moore MT, Covassin TM, Powell JW, Kontos AP, Barron MJ, Dompier TP, Malina RM, Morano PJ. The effects of injury on perceived risk in youth football. *J Pediatr Psychol.* (In Review).(IP:: 1.64)
7. Pellman EJ, Viano DC, Casson IR, Arfikan, C and Powell JW, Concussion in professional football: injuries involving 7+ days out, *Journal of Neurosurgery*, 2004:55(5), 1100-1119 (IP-2.626)
8. Pellman EJ, Viano DC, Casson IR, Tucker AM, Waeckerle JF and Powell JW, Repeat concussions in professional football, *Journal of Neurosurgery*, 2004:55(4), 860-876 (IP-2.626)
9. Albright, JP. and Powell, JW, Martindale A, et.al., Injury patterns in Big 10 Conference football:, *Am J Sports Med*, 2004:32(XDOI):1-17 (IP:2.270).
10. Powell JW and Dompier TP, The role of the helmet in the prevention of traumatic brain injuries, *Sports Medicine Reports* 2004: 3(1), 20 – 24.
11. Powell JW and Dompier TP, Analysis of injury rates and treatment patterns for time loss and non-time loss injuries among intercollegiate student athletes, *Journal of Athletic Training*, 2004:39(1), 73-89, (IP:1.17)
12. Pellman EJ, Powell JW, Viano DC, Casson IR, Tucker AM Concussions in professional football: Epidemiological features of game injuries and review of literature, *Journal of Neurosurgery*, 2004:54(1), 81 – 94(IP-2.626)
13. Kelly BT, Barnes RP, Powell JW and Warren RF, Shoulder Injuries to quarterbacks in the National Football League, *Am J Sports Med* 2004:32(6),328-331 (IP-2.270)
14. Lovell MR, Collins MW, Iverson GL, Field M., Maroon JC, Cantu R, Podell K, Powell JW, Belza M and Fu FH,, Recovery from mild concussion in high school athletes, *Journal of Neurosurgery*, 2003:98(2),296-301 (IP-2.626)
15. Orchard J and Powell JW, The relationship between weather and surface conditions and injuries in the National Football League, *Med Sci Spts*, 2003:35:7, 1118-1123(IP-2.600)
16. Bradley JP, Klimkiewicz JJ, Rytel MJ and Powell JW, ACL injuries in the National Football League: Epidemiology and current treatment trends among team physicians, *Arthroscopy: The Journal of Arthroscopy and Related Surgery*, 2002:18(5), 503-509.(IP-1.799)

17. Powell JW, Cerebral concussion: causes, effects and risks in sports, *Athletic Training*, 2001:36(3):307-311(IP:1.17).
18. Maroon JC, Lovell MR, Norwig J, Podell K, Powell JW, Hartl R, Cerebral concussion in athletes: evaluation and neuropsychological testing, *Neurosurgery* 2000: 47(3):659-69 (IP-2.896)
19. Powell JW and Barber-Foss, KD, Sex-related Injury Patterns Among Selected High School Sports, *Am J Sports Med*, 2000:28(3)385-391 .(IP-2.270)
20. Powell JW and Barber-Foss, KD, Patterns of mild traumatic brain injuries in high school sports, *Journal of the American Medical Association*, 1999:282(10):958-963 (IP-16.586)
21. Powell JW and Barber-Foss, KD, Injury rates in selected high school sports, *Athletic Training*, 1999:34(3):277-284(IP:1.17).
22. Emery, C. A.; Meeuwisse, W. H.; Powell, J. W., Groin and abdominal strain injuries in the National Hockey League, *Clin J Sport Med*, 1999:3(6):151-156. (IP:1.63)
23. Scranton, PE, Whitesel, JP, Powell, JW, Dormer, SG, Heidt, RS, Losse, G, and Cawley, P., A review of selected non-contact anterior cruciate ligament injuries in the National Football League, *Foot and Ankle International*, 1997:18(12)772-776.
24. Tewes, DP., Fischer, DA, Quick, DC, Zamberletti, F, and Powell, J, Lumbar transverse process fractures in professional football players, *Am J Sports Med*, 1995:23(4),507-509.
25. Schootman, M, Powell, JW, and Torner, JC., Study design and potential biases in sport injury research, *Sports Medicine*, 1994:18(1)22:37.
26. Meyer, SA, Callaghan, J, Albright, JP, Crowley, ET, & Powell JW., Mid foot sprains in collegiate football players, *Am J Sports Med*, 1994:22(3),392-401.
27. Albright, JP. and Powell, JW. et.al., MCL knee sprains in college football: preventive braces and determinants of injury risk, *Am J Sports Med*, 1994:22(1):12-18.
28. Albright, JP. and Powell, JW., MCL knee sprains in college football: effective of preventive braces, *Am J Sports Med*, , 1994:22(1):2-11.
29. Meyer, SA, Callaghan, J, Albright, JP, Powell JW, and Crowley, ET, The incidence of cervical stenosis in college football players with prolonged stingers, *Am J Sports Med*, 1994:22(2)158-166.
30. Powell JW, and Schootman, M, A multivariate analysis of ankle injuries associated with playing surfaces in the national football league, 1980 -1989, *International Turfgrass Society Research Journal* 7, Carrow, RN, Christian, NE, Shearman, RC (Eds), Interlac Publishing Corp, Overland Park, Kansas, 1993, p 201-211
31. Powell JW, and Schootman, M, A multivariate analysis of knee injuries associated with playing surfaces in the national football league, 1980 -1989, *Am J Sports Med*, Nov/Dec 1992, p 216-230
32. Ferrara, MS., Buckley, WE., McCann, B. Cairbre, Limbird, TJ., Powell, JW., and Robl, R, The injury experience of the competitive athlete with a disability: Prevention implications, *Med Sci Sports Exerc*, Vol 24, No. 1, p 184-188, 1992
33. Zillmer, DA, Powell, JW. and Albright, J., Gender specific injury patterns in high school varsity basketball, *Journal of Womens' Health*, 1992:(1)1: 69-76.
34. Powell, JW., Incidence of injury for playing surfaces in the national football league, 1980-1985, *Journal of Athletic Training*, 1987:22(3):202-206..
35. Powell, JW., 636,000 injuries annually in high school football, *Journal of Athletic Training*, 1987:22(1):19-22

36. Powell, JW., Pattern of knee injuries associated with college football 1975-1983, *Journal of Athletic Training*, 1985:20(2)104-109.
37. Powell, JW., Safety in the athletic training room, *Journal of Physical Education, Recreation and Dance*, 1983:54(5)50-55.
38. Powell, JW. and Buckley, WE, NAIRS: An epidemiological overview of the severity of injury in college football 1975-1980 Seasons, *Journal of the Athletic Training*, 1983:17(4):279-282.
39. Powell, JW., Ocular sports injuries, *International, Ophthalmic Clinics*, Vol. 21, No. 4, pp. 47-58, Little Brown and Co., Paul f. Vinger, Editor, Dec 1981.
40. Alles, Wesley F., Powell, John W. and Buckley, W. E., Three year summary of nairs football data, *Journal of the Athletic Training*, 1980:15(2):98-100.
41. Clarke, KS. and Powell, JW., Football helmets and neurotrauma; a epidemiological overview of three seasons, *Med Sci Sports Exerc*, 1979:2(1): 138-145.
42. Alles, WF., Powell, JW., Buckley, WE., and Hunt, EE., The National Injury/Illness Reporting Systems 3-year findings of high school and college football injuries, *The Journal of Orthopedic and Sports Physical Therapy*, 1979:1(2):103-108.
43. Jackson, DW, Jarrett, H., Bailey, .,Kausek, J, Swanson, J., Powell, JW., Injury prediction in young athletes: a preliminary report, *Am J Sports Med*, 1978:6:6-14.
44. Powell, JW., Carey, R, and Clarke, KS., Injury patterns during first three days of football practice among bog ten schools, *Journal of the Athletic Training*, 1976:11(1)40-45.

B. Articles in Refereed Proceedings.

1. Powell JW, The evolution of ice hockey related injuries in the NHL, in *Safety in Ice Hockey*, IIHF International Symposium on Medicine and Science in Ice Hockey on the occasion of the 8th Ice Hockey World Championship, Biasca, N, Montag, W, Gerber, C Eds, International Ice Hockey Federation, 2000.
2. Powell, JW, Sports injury surveillance: Foundations of data collection," *Safety in Ice Hockey: Third Volume, ASTM STP 1341*, A.B. Ashare Ed., American Society for Testing and Materials, 2000.
3. Powell, JW., *National Athletic Trainer's Association High School Injury Study*, Proceedings of the Youth Sports Injuries: Surveillance Strategies, National Institutes of Health, Arthritis, Musculo-Skeletal and Skin Disease Workshop, April 78, 1991, Bethesda, MD.
4. Powell, JW., *Description of Sports Participant and Problems in Obtaining Data*, Proceedings of the Youth Sports Injuries: Surveillance Strategies, National Institutes of Health, Arthritis, Musculo-Skeletal and Skin Disease Workshop, April 78, 1991, Bethesda, MD.
5. Powell, JW, *Systems Start-up and Operation*, Proceedings of the Youth Sports Injuries: Surveillance Strategies, National Institutes of Health, Arthritis, Musculo-Skeletal and Skin Disease Workshop, April 7-8, 1991, Bethesda, MD.
6. Powell, JW., *Sports Injury Epidemiology: A Tool for Biomechanical Research*, Proceedings of the 21st Annual Midwestern Mechanics Conference, Michigan Technological University, Houghton, MI, August 13-16, 1989, p.171
7. Powell, John W., *Research in Athletic Training*, Proceedings of the National Athletic Trainers Association, Professional Education Conference, Nashville, Tenn., 1978.
8. Powell, John W., *HEW Survey of Athletic Injuries and Deaths: Status Report*, Proceedings of the American School and Community Safety Association, October 1976.

9. Powell, John W., *Injury Prevention, The West Point Program*, Proceedings of the National Intramural Association , April 1974.
10. Powell, John W., *The West Point Winter Knee Squad*, Proceedings of the National Intramural Association , April 1974.

C. Other Articles and Reports.

1. Powell John W. and Dompier, Thomas P., Medical Coverage Needs of Student Athletes in a Collegiate Setting: Final Project Report prepared for the National Athletic Trainers' Association Task Force to Establish Appropriate Medical Coverage for Intercollegiate Athletics, March, 2003.
2. Powell John W. and Dompier, Thomas P., Medical Coverage Needs of Student Athletes in a Collegiate Setting: A Project Report prepared for the National Athletic Trainers' Association Task Force to Establish Appropriate Medical Coverage for Intercollegiate Athletics, October, 2002 – Interim Report.
3. Powell John W. and Dompier, Thomas P., Medical Coverage Needs of Student Athletes in a Collegiate Setting: A Mid Project Report, prepared for the National Athletic Trainers' Association Task Force to Establish Appropriate Medical Coverage for Intercollegiate Athletics, October, 2001.
4. Powell, John W., Ten Year Summary of Injury Patterns in the National Football League 1980-1989, prepared for the NFL League Office and distributed to all Owners, General Managers, Team Physician and Athletic Trainers, May 1989.
5. Powell, John W., Nine Year Summary of Injury Patterns in the National Football League 1980-1988, prepared for the NFL League Office and distributed to all Owners, General Managers, Team Physician and Athletic Trainers, May 1989.
6. Powell, John W., Eight Year Summary of Injury Patterns in the National Football League 1980-1987, prepared for the NFL League Office and distributed to all Owners, General Managers, Team Physician and Athletic Trainers, June 1988.
7. Powell, John W. and Edwards, William H., National High School Injury Registry - Recorder's Handbook, published by the National Athletic Trainers Association, 2nd Edition, May 1987.
8. Powell, John W., Selected Injury Patterns for Game-Related Conditions for the NFL, 1980-1987, Report to the National Football League's, Competition Committee, March 1987.
9. Powell, John W., Injury Patterns for the National Football League, 1980-1986: A Fact Sheet, Report to the National Football League, February 1987.
10. Powell, John W., Injury Patterns for Selected Playing Surfaces in the National Football League, Report to the National Football League, February 1986.
11. Powell, John W. and Edwards, William H., National High School Injury Registry - Recorder's Handbook, published by the National Athletic Trainers Association, June 1986.
12. Powell, John W., Summary of NFI Injury Patterns for Five Seasons, Report to the National Football League, March 1985.
13. Powell, John W., Comparison of College and NFL Injury Patterns, Report to the National Football League, February 1984.
14. Powell, John W., Three Year Summary of NFL Football Injury Patterns, Report to the National Football League, March 1983. 1.
15. Powell, John W., Review of NAIRS/NFL Model for Data Collection, Report to the National Football League, March 1982.
16. Powell, John W., Preliminary Findings for NFL Injury Surveillance Project, Report to the National Football League, April 1981.

17. Powell, John W., A Multivariate Epidemiological Model of Injury to the Knee in College Football 1975-1978, Doctoral Dissertation, May 1980.
18. Clarke, Alles, Wesley F., Powell, John W., An Epidemiological Examination of the Association of Selected Products with Related Injuries in Football 1975-1977, Final Report to U.S. Consumer Product Safety Commission (Contact CPSC-C-77-0039), January 1979.
19. Clarke, Kenneth S., and Powell, John W., Summary of Data Collected for HEW Survey of Athletic Injuries and Deaths, 1975-1976, April 1978.

D. Chapters in Books and/or Reprints of Articles and Papers in Books.

1. Powell JW, Diagnosis, Management and Prevention, In :Lovell MR, Echemendia RJ, Barth JT and Collins MW, eds Traumatic Brain Injury In Sports, An International Neuropsychological Perspective, Swets-Zeitlinger, Amsterdam. 2004: Chapter 3
2. Kelly, BT, Barnes, RP, Powell JW, Warren RF, Sports Specific Shoulder Injuries and Management: Football. *In preparation.*
3. Powell JW, The epidemiology of sports concussion. In: Lovell, M, Echemendia R, Barth J, Collins MW, eds, *Sports Neuropsychology*, Swets-Zeitlinger, Amsterdam. 2001
4. Powell, JW. The epidemiology of athletic injuries. In: Bailes JE, and Day AL, eds. *Neurological Sports Medicine: A guide for physicians and athletic trainers*, American Association of Neurological Surgeons, 2001.
5. Powell, JW. Injury patterns in selected high school sports. In: Bailes JE, Lovell M, Maroon JC, eds. *Sports Related Concussion*. St. Louis Mo. Quality Medical Publishing Inc, 1999:75-90
6. Schootman, Mario, Powell, John W. and Albright, John P. "Statistic in Sports Medicine Research", Chapter 5 in Orthopaedic Sports Medicine, Principles and Practices, Edited by Delee and Drez, W.B. Saunders, 1993.
7. Powell, John W., "Epidemiologic Research for Injury Prevention Programs in Sports", Chapter 2 in Prevention of Athletic Injuries, Edited by Ryan and Mueller, F.A. Davis, 1991
8. Powell, John W., "National High School Injury Registry" in Sports Injury Research, Appendix A, 3 pp, American Orthopedic Society for Sports Medicine, 1st Edition, 1988.
9. Powell, John W., Problems of Data Gathering Mechanisms in Sports Injuries - The Unthwarted Epidemic, 5 pp, PSG Publishing Company, 2nd Edition, 1984.
10. Powell, John W., Intramural Athletic Injuries: Prevention and Control in Intramural Administration: Theory and Practice, Chapter 21, 14 pp, Prentice-Hall Inc., 1976.

E. Book Reviews

1. A.A.O.S, Athletic Training and Sports Medicine, 2nd Edition, American Academy of Orthopaedic Surgeons, Chicago, Il, 1990.
2. Fahey, T. Athletic Training: Principles and Treatment, Palo Alto, Ca., Mayfield Publishing Company., 1985
3. Arnheim, D. Modern Principles of Athletic Training, 5th Edition, Times Mirror Mosby College Publishing, 1982.

II. Research

Proposals in Progress

- Principal Investigators: Dr. John W. Powell, Risk Factors Associated with the Shoe-Surface Interface in College Football Players, *The study will identify the injury rates for*

different football shoe cleat design features and the interface with the playing surfaces in 30 NCAA Division I College Football Team. The project will cover 2007, 2008 and 2009 college football seasons. National Football League Charities -

- Principal Investigators: Dr. John W. Powell & Dr. Tracey Covassin, "A Comparison of the Injury Patterns among Selected Youth Sports", College of Education, Michigan State University, September 2008 – August 2010. *The study will establish the Michigan Youth Sports Injury Registry. The Registry will collect injury and player data from youth coaches in 8 selected youth sports. The data will include a protocol for determining the relative stage of structural maturation and then use the data for an analysis of the effect of physical maturation in the injury rate. SPONSOR: National Athletic Trainers' Association, Research and Education Foundation -*

Funded Research

- A. Principal Investigator: Dr. John W. Powell "Risk Factors in Youth Football", College of Education Michigan State University, August 2006 through June 2007. *The study will continue the youth football project for a seventh season. It also provides for the in-depth analysis of the 7 year cohort data. SPONSOR: USA Football-* Principal Investigator: Dr. John W. Powell & Dr. Roger Haut, "An Experimental Model and *In Situ* Risk Assessment of Syndesmotic Ankle Sprains in Professional Football Players", College of Education & College of Osteopathic Medicine, Michigan State University, January 2006 through June 2007. *The study will provide new biomechanical injury data for syndesmotic ankle injury that will serve as a baseline level for predicting injury risk for various shoe/interface combinations. These data and new evaluation tool can then be used in the evaluation of potential injury prevention strategies in future studies. SPONSOR: The National Football League Charities -*
- B. Principal Investigator: Dr. John W. Powell, Injury Risk Factors in Youth Football", Department of Kinesiology, College of Education, Michigan State University, July 2003 June 2005. *The project adds two additional years to the study of youth football injury patterns. It adds to the baseline data, the evaluation of biologic maturity as an important risk factor in youth football as well as other youth sports. SPONSOR: The National Football League Charities -*
- C. Principal Investigator: Dr. John W. Powell "Appropriate Medical Coverage for Intercollegiate Athletics, Michigan State University, July 2000 - June 2002. *The project includes injury and daily treatment monitoring among intercollegiate sports team. The study includes 50 colleges and universities representing membership from the NCAA, NAIA and NJCAA. SPONSOR: National Athletic Trainers Association.-*
- D. Principal Investigator: Dr. John W. Powell "The National High School Sports Injury Registry 1995-1998", Med Sports Systems, January 1995 - June 1998. *The project includes injury monitoring among high school sports team. The study included football, wrestling, field hockey, volleyball, baseball, softball, boys and girls basketball and boys and girls soccer. SPONSOR: National Athletic Trainers Association.*
- E. Principal Investigator: Dr. John W. Powell "The National High School Injury Registry 1988-1989", Dept of Orthopedics, University of Iowa, July 1989 - June 1990. *The project includes a thorough analysis of the data recorded for the 1986 through 1988 high school sports seasons. Specific projects are for football Men's and Women's Basketball, and wrestling. SPONSOR: National Athletic Trainers Association.*

- F. Principal Investigator: Dr. John W. Powell, "The National High School Injury Registry 1988-1989", Department of Orthopedics, University of Iowa, July 1988 - June 1989. *The project includes upgrading and operation of the injury surveillance system to monitor the risk patterns associated with high school football, men's and women's basketball, wrestling and men's and women's soccer.* **SPONSOR: National Athletic Trainers Association.**
- G. Principal Investigator: Dr. John W. Powell, "The National High School Injury Registry 1987-1988", Physical Education Department, San Diego State University, July 1987 - June 1988. *The project includes upgrading and operation of the injury surveillance system to monitor the risk patterns associated with high school football, men's and women's basketball, wrestling and men's and women's soccer.* **SPONSOR: National Athletic Trainers Association.**
- H. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Physical Education Department, San Diego State University, July 1987 - June 1988. *The project is the eighth in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs.* **SPONSOR: The National Football League**
- I. Principal Investigator: Dr. John W. Powell, "The National High School Injury Registry 1986-1987", Physical Education Department, San Diego State University, July 1986 - June 1987. *The project includes the design and implementation of an injury surveillance system to monitor the risk patterns associated with high school football and women's basketball. It includes the data collection for the first year and presentation of findings.* **SPONSOR: National Athletic Trainers Association.**
- J. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Physical Education Department, San Diego State University, July 1986 - June 1987. *The project is the seventh in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs.* **SPONSOR: The National Football League**
- K. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Physical Education Department, San Diego State University, July 1985 - June 1986. *The project was the sixth in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs.* **SPONSOR: The National Football League**
- L. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Health Education Department, Penn State University, July 1984 - June 1985. *The project was the fifth in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs.* **SPONSOR: The National Football League**
- M. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Health Education Department, Penn State University, July 1983 - June 1984. *The project was the fourth in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making*

- at the NFL league office as well as individual clubs. SPONSOR: The National Football League*
- N. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Health Education Department, Penn State University, July 1982 - June 1983. *The project was the third in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs. SPONSOR: The National Football League*
- O. Principal Investigator: Dr. John W. Powell, "Data Collection Model for Insurance Claims", Health Education Department, Penn State University, July 1981 - June 1982. *This project was for the development of a recording instrument and software for the collection of injury data associated with insurance claims for athletic departments. SPONSOR: American International Group*
- P. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Health Education Department, Penn State University, July 1981 - June 1982. *The project was the second in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Information is used for decision making at the NFL league office as well as individual clubs. SPONSOR: The National Football League*
- Q. Principal Investigator: Dr. John W. Powell, "Injury Surveillance Systems for the National Football League", Health Education Department, Penn State University, July 1980 - June 1982. *The project was the first in a series of grants awarded for the surveillance of football injuries that occur in the National Football League. Included in this project were the initial software and documentation for the subsequent years. SPONSOR: The National Football League*
- R. Principal Investigator: Dr. Wesley F. Alles Project Coordinator: John W. Powell MS, ATC, "An Epidemiological Examination of the Association of Selected Products with Related Injuries in football 1975-1977", Health Education Department, Penn State University, July 1976 - June 1977. *Calculated injury patterns for college football over the first three years of exposure with the National Athletic Injury/Illness Reporting System. SPONSOR: U.S. Consumer Product Safety Commission #CPSC-77-0039*
- S. Principal Investigator: Dr. Kenneth S. Clarke, Project Coordinator: John W. Powell MS, ATC, "Development of the National Athletic Injury/Illness Reporting System, Phase-II", Health Education Department, Penn State University, July 1975 - June, 1976. *Project provided for the complete design and implementation of the computer software for the National Athletic Injury/Illness Reporting System. SPONSOR: U.S. Consumer Product Safety Commission #CPSC-75-0050 \$*
- T. Principal Investigator: Dr. Kenneth S. Clarke, Project Expeditor: John W. Powell MS, ATC "HEW Survey of Athletic Injuries and Deaths, 1975- 1976", Health Education Department, Pennsylvania State University, July 1975 - June 1976. *The project included data collection for a federally funded program regarding the frequency of athletic injuries and deaths among high school and college athletics and physical education. SPONSOR: National Center for Education Statistics, Department of Health, Education and Welfare*

III. Other Professional Activities

A. Participation in Professional Associations

1. Michigan Athletic Trainers Society 1999-present – Certified Member
2. Great Lakes Athletic Trainers Association, 1967 –1971 & 1999-present Certified Member
3. Iowa Athletic Trainers Association 1988-1999
4. California Athletic Trainers Association 1985-1988 Certified Member
 - a) Placement Committee-Member 1986-1988
5. Pennsylvania Athletic Training Society 1977-1985 Certified Member
 - a) Candidate for District Director - 1980
 - b) Chairman, Research Committee 1980-1985
 - c) Professional Education Committee-Member 1980-1985
6. Eastern Athletic Trainers Association 1971-1985 Certified Member
 - a) EATA Chairman, Research and Injury Committee 1977-1985
 - b) EATA Chairman, Audit Committee 1979-1981
 - c) EATA - Liaison to National Athletic Injury/Illness Reporting System - 1975-1983
7. National Athletic Trainers Association 1967- Certified in 1970
 - a) NATA Task Force for NATA Research and Education Foundation 1990
 - b) NATA Task Force for NATA/USOC Programs - May, 1991
 - c) NATA Free Communications Moderator 1977-1985
 - d) NATA National High School Injury Registry Project Director, 1986-88
 - e) NATA National High School Sports Injury Registry Project Director, 1995-97
 - f) NATA Public Relations-Spokesperson 1985 - present
 - g) NATA *Journal of Athletic Training*, Review Board 1988 - present
 - h) NATA Research and Education Foundation, Chairman, Board of Directors 1991-1994
 - i) Chairman Research and Injury Committee, 1977-1992
 - j) NATA Professional Education Committee, Program Director's Council 1980-1985
 - k) NATA Professional Education Committee Curriculum Visitation Team 1979-present
 - (1) Chief Officer – University of Tampa –2003
 - (2) Chief Officer – Minnesota State University - Moorhead – 2003
 - (3) Chief Officer – Virginia Commonwealth University – 2002
 - (4) Chief Officer – University of Tulsa – 2002
 - (5) Chief Officer – University of Nebraska– Kearney. 2001
 - (6) Chief Officer – California State University – Fullerton. 2001
 - (7) Chief Officer – Capital University, 2000
 - (8) Ass't Officer – Campbell University 2000
 - (9) Chief Officer - Bethel College 1999
 - (10) Chief Officer-University of Illinois (Graduate) 1999
 - (11) Chief Officer-Elon College 1998
 - (12) Chief Officer-University of South Carolina 1995
 - (13) Chief Officer-Western Michigan University(Graduate) 1993
 - (14) Chief Officer-University of Montana 1992
 - (15) Chief Officer-University of Pittsburgh 1991
 - (16) Ass't Officer-Brigham Young University 1990
 - (17) Chief Officer-University of North Dakota 1989

- (18) Ass't Officer-Boise State University 1986
- (19) Chief Officer-University of New Mexico 1986
- (20) Ass't Officer-Northeastern University 1984
- (21) Ass't Officer-University of Toledo 1982
- (22) Chief Officer-Bridgeport College 1981
- (23) Chief Officer-East Stroudsburg State College 1980
- (24) Chief Officer-Slippery Rock State College 1980
- (25) Ass't Officer-Bowling Green State University 1979

B. Papers Presented at Professional Conferences

1. Powell, JW, *Injury Patterns in NFL Injury Research*, Badgley Lectureship, University of Michigan Orthopedic Alumni, Ann Arbor, MI, October, 26, 2007.
2. Powell, JW, *ART: Using Your Hands*, invited speaker West Virginia Athletic Trainers Association, Charleston, WV, February 23-24, 2007.
3. Moore MT, Powell JW, Covassin TM, Barron MJ, Dompier TP, Malina, RM, Morano, PJ, Miller, SJ, *The Effects of Injury on Perceived Risk in Youth Football*, National Athletic Trainers Association National Convention and Symposium, Atlanta, GA, June 2006
4. Barron, MJ, Branta CF, Powell JW, Ewing ME, Gould DR, Maier KS, Malina RM, Moore MT, Dompier TP, Morano PJ, Miller SJ, *Effects of PREPARE Injury Prevention Program's Gradual Activity Plan on the Non Time Loss Injury Rate in Youth Football*, National Athletic Trainers Association National Convention and Symposium, Atlanta, GA, June 2006
5. Powell, JW – *Injury Patterns in the National Football League*, invited speaker AOSSM/NFL Team Physicians Society Sports Medicine Symposium, Orlando FL, May 2006.
6. Dompier T, Powell JW, Barron M, Moore M, Malina R. , *Construct Validity of a Non-Invasive Method of Maturity Estimation in Youth Football Players*, National Athletic Trainers Association National Convention and Symposium, Atlanta, GA, June 2006
7. Powell, John W., *Epidemiology of Sports Injuries*, MSU Department of Epidemiology, Seminar Series, Oct 27, 2005.
8. Dompier T, Powell JW, Barron M, Moore M, Malina R. , *Analysis of Time-Loss and Non-Time-Loss Injuries in Youth Football*, National Athletic Trainers Association National Convention and Symposium, Indianapolis IN, June 2005
9. Powell, John W., *Growth and Maturations Risk Factors in Youth Sports*, American Medical Society for Sports Medicine Annual Convention and Symposium, Austin, TX April 17, 2005
10. Powell, John W., *Injury rates and treatment patterns for time loss and non-time loss injuries among intercollegiate student athletes*, National Athletic Trainers' Association Annual Convention and Symposium, St. Louis Mo, June 2003
11. Powell, John W., *Concussion in Sports*, Michigan Athletic Trainers Society, Annual Meeting, May 20, 2003, East Lansing, MI;.
12. Powell, John W., *Current Issues in Epidemiology Research in Sports Medicine*, Department of Kinesiology Faculty Seminar, University of Illinois, Champaign ILL, February 21, 2003
13. Powell, John W., *Research Issues: Programs at Michigan State University*, Graduate Athletic Training Education Program, University of Illinois, Champaign ILL, February 21, 2003.

14. Powell John W. *Research Methods in Injury Epidemiology*., National Athletic Trainers' Association, National Convention and Symposium, Dallas, Tx, June 2002.
15. Powell, John W., *Concussion in Sports*, Sports Related Concussions and Nervous Systems Injuries, University of Pittsburgh Sports Medicine Center Symposium, Pittsburgh, PA. July, 2001.
16. Powell John W. *Research Methods in Injury Epidemiology*., American College of Sports Medicine, National Convention, Baltimore, MD June 2001.
17. Powell John W. *Sports Injury Epidemiology: Perspectives for the New Millennium*, American College of Sports Medicine, National Convention, Baltimore, MD June 2001.
18. Powell John W. *Sports Injury Epidemiology: Perspectives for the New Millennium*, National Athletic Trainers Convention and Clinical Symposium, Nashville, TN, June 2000.
19. Powell John W. *Sports Injury Epidemiology: Perspectives for the New Millennium*, America Orthopedic Society for Sports Medicine Symposium, Sun Valley, ID, June 2000.
20. Powell John W, *Injury Patterns in High School Sports*, Michigan State University College of Osteopathic Medicine's Sports Medicine Symposium, May 12, 2000 East Lansing Michigan.
21. Powell John W. *Mild Traumatic Brain Injuries in High School Sports*, Texas Medical Association's Annual Convention and Symposium, San Antonio, TX May 2000.
22. Powell John W., *Epidemiology of Youth Sport Injuries: Research Issues*, Consensus Workshop present by the National Athletic Trainers Association Research and Education Foundation, Atlanta Ga. November, 1999.
23. Powell, John W., *Musculo-skeletal Injury Patterns and MTBI*, " Workshop HH, NATA Convention, June, 1999.
24. Powell, John W., *Injury Patterns In Selected High School Sports: Issues of Importance to the High School Setting*, " Session 12, Secondary School Setting, NATA Convention, June, 1999.
25. Powell, John W., *Epidemiology of Concussion, Sports Related Concussions and Nervous Systems Injuries*, Orlando Regional Healthcare Center, Orlando, FL, May, 1999.
26. Powell, John W., *Injury Patterns in High School Sports*, invited speaker for the Minnesota Athletic Trainers Association, April 1999.
27. Powell, John W., *Epidemiology of Concussion*, Mild Traumatic Brain Injury Symposium, *Henry Ford Health Systems*, Detroit Mi, October, 1998..
28. Powell, John W., *Injury Patterns In Selected High School Sports*: Poster Presentation at the National Athletic Trainers Association, June, 1998.
29. Powell, John W., *Injury Patterns In Selected High School Sports*: Poster Presentation at the FIMS-American College of Sports Medicine Convention, May, 1998.
30. Powell, John W., *High School Injury Surveillance: What have we learned.*, American College of Sports Medicine Convention, May, 1998.
31. Powell. John W, *Injury Patterns in the National Hockey League*, " International Ice Hockey Federation Sports Medicine Symposium, May 9, 1998, Zurich Switzerland.
32. Powell, John W., *Selected Injury Patterns Among High School Sports*: American Medical Association for Sports Medicine Annual Symposium, Nashville TN, April, 1998.
33. Powell, John W., *Epidemiology of Concussion: Incidents, Trends and Prediction*, *Sports Related Concussions and Nervous Systems Injuries*, Orlando Regional Healthcare Center, Orlando, FL, March, 1998.

34. Powell, John W., *Injury Patterns In Selected High School Sports: An Update From The National High School Sports Injury Registry*, " Session 26, Secondary School Setting, NATA Convention, June, 1997.
35. Powell, John W., *The Propensity Of Specific Sports For Joint Injury*, Session 23, Osteoarthritis and Exercise, presented by AOSSM, NATA Convention, June, 1997
36. Powell, John W., *Spinal Injuries in High School Sports*," Institute for Sports Medicine at Southwest Texas State University, May, 1997.
37. Powell, John W., *Data Collection Routines for Sports Injury Research*, Third International Symposium on Safety in Ice Hockey, American Society of Testing and Materials, May 4-5, 1997, St. Louis, MO.
38. Powell, John W., *Injury Patterns in the National Hockey League*," Third International Symposium on Safety in Ice Hockey, American Society of Testing and Materials, May 4-5, 1997, St. Louis, MO.
39. Powell, John W., *Epidemiology of Concussion: Incidents, Trends and Prediction, Sports Related Concussions and Nervous Systems Injuries*, Sponsored by Allegheny General Hospital, Orlando, Fl, Feb, 1997.
40. Powell, John W., '*Epidemiology of Concussion in Sports*', Concussion in Sports Symposium, Medical College of Pennsylvania, Pittsburgh, PA Feb, 1996.
41. Powell, John W., *Information Systems*, invited speaker for the Great Lake Athletic Trainers Association, Madison WI, March 1996
42. Powell, John W., *Multivariate Analysis of Knee Injuries Associated with Playing Surfaces in the National Football League, 1980-1989*," Safety in Football Symposium, American Society of Testing and Materials, Dec 5-7, 1994, Phoenix, AZ
43. Powell, John W., *Big Ten Knee Brace Study: The efficacy of the prophylactic knee brace in college football*," Safety in Football Symposium, American Society of Testing and Materials, Dec 5-7, 1994, Phoenix, AZ
44. Powell, John W., *Athletic Trainer - Importance in High School Programs*, invited speaker for the Minnesota Athletic Trainers Association, May 1994.
45. Powell, John W., *Information Systems*, invited speaker for the Illinois Athletic Trainers Association, Naperville , IL April 1994.
46. Powell, John W., and Schootman, Mario, *Ankle Injuries Associated with Playing Surfaces In Professional Football: A Multivariate Analysis*, International Turfgrass Society Symposium, Palm Beach, Fl, July 1993.
47. Powell, John W., *Research Presentation: Reading & Writing Research*, Iowa Athletic Trainers Society, invited speaker for Annual Symposium, Cedar Rapids, July 10-12.
48. Powell, John W., *Information Systems*, invited speaker for the National Athletic Trainers' Association National Convention & Symposium, Kansas City, MO, June 8-12, 1993.
49. Powell, John W., *SEC Injury Surveillance System*, invited speaker for the Third Annual Southeastern Conference's Sports Medicine Symposium, Lexington Ky, March 11-13, 1993.
50. Powell, John W., *Prevention of Athletic Injuries*, Refresher Course for the Family Physician, University of Iowa College of Medicine, March 3, 1992, Iowa City, IA.
51. Powell, John W., *Who Are The Statistical Models and Why Are They Such a Headache*, 42 nd Annual National Athletic Trainers' Association Convention and Clinical Symposium, June 10, 1991, New Orleans, LA.
52. Powell, John W., *Epidemiology of Gymnastics Injuries*, Eight Annual Hawkeye Sports Medicine Symposium, April 12, 1991, University of Iowa Hospitals, Iowa City, IA.
53. Powell, John W., *Operating an Injury Surveillance System: Administrative Procedures*, Youth Sports Injuries: Surveillance Strategies, National Institutes of

- Health, National Advisory Board for Arthritis, Musculoskeletal and Skin Diseases, April 89, 1991, Bethesda Md.
54. Powell, John W., *Youth Sports Participants: Data Collection Problem*, Youth Sports Injuries: Surveillance Strategies, National Institutes of Health, National Advisory Board for Arthritis, Musculoskeletal and Skin Diseases, April 8-9, 1991, Bethesda Md.
 55. Powell, John W., *NATA High School Injury Study*, Youth Sports Injuries: Surveillance Strategies, National Institutes of Health, National Advisory Board for Arthritis, Musculoskeletal and Skin Diseases, April 8-9, 1991, Bethesda Md.
 56. Powell, John W., *High School Injury Epidemiology*, National Institutes of Health, National Advisory Board for Arthritis, Musculoskeletal and Skin Diseases, July 18, 1990 Board Meeting.
 57. Powell, John W., *Research Programs in Athletic Training*, National Athletic Trainers' Association, National Convention and Clinical Symposium, Indianapolis, IN, June 1990.
 58. Powell, John W., *Injury Epidemiology: Sports and Industry*, National Safety Congress 1989, November 1, 1989, Chicago Ill.
 59. Powell, John W., *Sports Injury Epidemiology: A Tool for Biomechanical Research*, University of Illinois Physical Education Colloquy, September, 1989, Champaign-Urbana, Ill.
 60. Powell, John W., *High School Sports Safety*, Department of Orthopaedic Surgery: Alumni Symposium, September 21-23, 1989.
 61. Powell, John W., *Sports Injury Epidemiology: A Tool for Biomechanical Research*, 21st Annual Midwestern Mechanics Conference, Michigan Technological University, Houghton, Michigan, August 13-16, 1989
 62. Powell, John W., *Injury Patterns in Big 10 Conference Sports*, Big Ten Conference Athletic Directors, July 25, 1989, Chicago Ill.
 63. Powell, John W., *Neck Injuries in High School Sports*, Sixth Annual Hawkeye Sports Medicine Symposium, May 11, 1989, University of Iowa Hospitals, Iowa City, IA.
 64. Powell, John W., *Risks Factors of Knee Sprains in Football*, Fifth Annual Hawkeye Sports Medicine Symposium, May 19, 1988, University of Iowa Hospitals, Iowa City, IA.
 65. Powell, John W., *Practical Anatomy of the MCL, PCL and ACL*, Fifth Annual Hawkeye Sports Medicine Symposium, May 19, 1988, University of Iowa Hospitals, Iowa City, IA.
 66. Powell, John W., *Incidence of Shoulder Instability and Associated Risk Factors*, Fifth Annual Hawkeye Sports Medicine Symposium, May 19, 1988, University of Iowa Hospitals, Iowa City, IA.
 67. Powell, John W., *Injury Prevention Programs for Secondary Schools*, 13th Annual Conference, Manitoba Parks and Recreation Association Inc., and the Manitoba Athletic Therapists Association, March 10, 1988, Winnipeg, Manitoba, CANADA.
 68. Powell, John W., *Injury Prevention in High School Sports*, 15th Annual Optimal Health Lecture Series, presented by SDSU Student Health Services, March 1, 1988, San Diego CA.
 69. Powell, John W., *Data Collection for the National High School Injury Registry*, American Orthopedic Society for Sports Medicine, Atlanta Ga, December 1987, Invited Speaker and Participant.
 70. Powell, John W., *Injury Patterns and High School Sports Safety*, American Trauma Society, National Convention, Washington D.C., Invited Speaker and program participant, May 1987.

71. Powell, John W., *Teaching Strategies for Athletic Training Educators*, Program Directors Meeting, NATA National Convention, San Antonio, Texas, Invited Speaker and program participant, June 1985.
72. Powell, John W., *Computers in Safety: A Risk Analysis Approach*, American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Minneapolis, MN, Invited Speaker, April 1983.
73. Powell, John W., *Pre-Season Functional Evaluation for Sports Participation*, American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Minneapolis, MN, Invited Speaker, April 1983.
74. Powell, John W., *Penn State Athletic Training Curriculum*, Sayers J. "Bud" Miller, Professional Education Conference, National Athletic Trainers Association, Pittsburgh, PA., Invited Speaker January 1983.
75. Powell, John W., "Log-Linear Analysis of Sports Injury Data", American College of Sports Medicine, National Conference, Las Vegas, NV., Free Communications Participant, May 1980.
76. Powell, John W., *Legal Implications of Injury Management for Coaches and Athletic Trainers*, American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Detroit, MI, Invited Speaker, April 1980.
77. Powell, John W., *Mechanisms for Injury Recording*, Southeastern Athletic Trainers Association Meeting, Atlanta, GA., Invited Speaker, July 1979.
78. Powell, John W., *Epidemiology of Sports Injuries*, Statistics Committee of the American Society of Testing and Materials Conference, Williamsburg, VA., Invited Speaker, April 1979.
79. Powell, John W., *NAIRS System Findings*, American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Madison WI., Invited Speaker, March 1979.
80. Powell, John W., *Neurotrauma and the Football Helmet*, American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Madison WI., Invited Speaker, March 1979.
81. Powell, John W., *NAIRS-A Four Year Summary of Findings*, Eastern Athletic Trainers Association, Annual Clinical Symposium, Grossingers, NY., Invited Speaker, January 1979.
82. Powell, John W., *Epidemiology of Sports Injuries: The NAIRS Model*, International Congress of Sports Sciences, Edmonton, Alberta, Canada, Invited Speaker, July 1978.
83. Powell, John W., *Concussions in College Football*, National Athletic Trainers Association, National Clinical Symposium, St. Louis MO., Invited Speaker, June 1978.
84. Powell, John W., *Research in Athletic Training: The NAIRS Model*, National Athletic Trainers Association Professional Education Symposium, Nashville, TN., Invited Speaker, January 1978.
85. Powell, John W., *NAIRS: Surveillance for Sports Safety*, Southeastern Athletic Trainers Association Clinical Symposium, Atlanta GA, Invited Speaker, July 1977.
86. Powell, John W., *HEW Survey of Athletic Injuries and Deaths, 1975-1976: A Status Report*, American School and Community Safety Association of American Alliance for Health, Physical Education, Recreation and Dance, Annual Meeting in Chicago, IL., Invited Speaker, October 1976.
87. Powell, John W., *HEW Survey of Athletic Injuries and Deaths, 1975-1976: A Status Report*, State Directors of Athletics of American Alliance for Health, Physical Education, Recreation and Dance, National Meeting in Milwaukee WI., Invited Speaker, April 1976.

88. Powell, John W., *Injury Prevention for the Athlete*, American Alliance for Health, Physical Education, Recreation and Dance, NASPE Meeting in Washington DC., Invited Speaker, December 1975.
89. Powell, John W., *Isokinetic Exercise in Athletic Training*, Eastern Athletic Trainers Association Annual Symposium, Great Gorge, NJ, Invited Speaker, January 1975.
90. Powell, John W., *The West Point Winter Knee Squad*, The National Intramural Association National Meeting, Phoenix AZ., Invited Speaker, April 1974.
91. Powell, John W., *Injury Prevention: The West Point Program*, The National Intramural Association National Meeting, Phoenix AZ., Invited Speaker, April 1974.
92. Powell, John W., *Injury Prevention for the Athlete*, American College Health Association, National Meeting, Dallas TX., Invited Speaker, April 1974.
93. Powell, John W., *Knee Rehabilitation After Ligamentous Repair*, New York Medical Society Meeting, Symposium on Sports Medicine, New York NY., Invited Speaker, February 1974.
94. Powell, John W., *Injury Prevention in Physical Education*, National Federation of High School Athletic Directors, Buffalo, NY., Invited Speaker, April 1973.

C. Other Professional Presentations

1. Powell, John W., *Sport Injury Research: Integrating Epidemiology, Basic Science and Field Studies*, Kinesiology Department, University of Wisconsin , Madison WI, Sept 28, 2007.
2. Powell, John W., *Sport Injury Research: Integrating Epidemiology, Basic Science and Field Studies*, Department of Orthopedics, University of Wisconsin Medical School, Madison WI, Sept 28, 2007.
3. Powell, John W., *Designing a Community Affairs Program*, National Football League Business Summit, Dallas TX, April 11, 2006.
4. Powell, John W., *Evaluation Programs for Community Affairs*, National Football League Business Summit, Detroit, Michigan, April 6, 2005.
5. Powell John W., *Time-Loss Injuries in the NFL: 5 year summary*, National Football League Competition Committee Meeting, Indianapolis, IN, February 2005.
6. Powell, John W, *Injury Patterns in the National Football League: 25 Year Patterns and Trends*, National Football League Charities, Board of Directors Meeting, October 2004.
7. Powell John W, *Injury Patterns in the National Football League, 2000 Coaches Development Workshop*, National Football League, Baltimore MD, May 2000.
8. Powell, John W., "National High School Sports Injury Registry" Media Tour, National Athletic Trainers Association, New York, NY,; one of three featured speakers, Aug, 1997.
9. Powell, John W., "National High School Sports Injury Registry: 1995 High School Football Injury Patterns", News conference for National Athletic Trainers Association, Dallas, TX, February 1996, one of four featured speakers.
10. Powell, John W., "Epidemiology of Knee Injuries in Sports, The Effects of Prophylactic Knee Braces on Injury Risk", Visiting Faculty, Steadman-Hawkins Sports Medicine Foundation, Vail, Colorado, March 26, 1994.
11. Powell, John W., "National High School Injury Registry: 1986-1988 High School Basketball and Wrestling Injury Patterns", News conference for National Athletic Trainers Association, Dallas TX, June 1989, one of four featured spokespersons.
12. Powell, John W., "National High School Injury Registry: 1986-High School Football Injury Patterns", Media Day Representation for National Athletic Trainers Association, Chicago, ILL, January 23, 1989 one of three featured speakers.

13. Powell, John W., "National High School Injury Registry: 1987-1988 High School Girls Basketball Injury Patterns", News conference for National Athletic Trainers Association, Baltimore MD, June 1988, one of four featured spokespersons.
14. Powell, John W., "National High School Injury Registry: 1987 High School Football Injury Patterns", News conference for National Athletic Trainers Association, New York, N.Y. January 21, 1988 one of three featured speakers.
15. Powell, John W., "National High School Injury Registry: Summary for Football and Girls Basketball", Poster Presentation, National Athletic Trainers Association, National Convention, Columbus, OH, June 1987.
16. Powell, John W., "National High School Injury Registry: 1986 High School Girls Basketball Injury Patterns", News conference for National Athletic Trainers Association, Columbus, OH, June 1987, one of four featured spokespersons.
17. Powell, John W., "National High School Injury Registry: 1986 High School Football Injury Patterns", News conference for National Athletic Trainers Association, New York, N.Y. February 1987, one of four featured speakers.
18. Powell, John W., "Importance of Flexibility Training", University of Pittsburgh-Bradford, Continuing Education Program, Bradford PA., Invited Speaker, May 1984.
19. Powell, John W., "Liability for Professional Coaches", University of Pittsburgh-Bradford, Continuing Education Program, Bradford PA., Invited Speaker, May 1984.
20. Powell, John W., "Rehabilitation of Athletic Injuries", University of Pittsburgh-Bradford, Continuing Education Program, Bradford PA., Invited Speaker, May 1983.
21. Powell, John W., "Will Sports Survive the Courts", University of Pittsburgh-Bradford, Continuing Education Program, Bradford PA., Invited Speaker, May 1983.
22. Powell, John W., "Kids in Sports", Lafayette University, Continuing Education Program, Lafayette PA., Invited Speaker, April 1982.
23. Powell, John W., "Current Issues in Sports Safety", Divine Providence Hospital, Continuing Education Program, Williamsport PA., Invited Speaker, April 1982.
24. Powell, John W., "Legal Implications for Injury Management",
25. Milton S. Hershey Medical Center, Continuing Education Program, Hershey PA., Invited Speaker, August 1981.
26. Powell, John W., "Athletic Injuries: Evaluation and Management", Milton S. Hershey Medical Center, Continuing Education Program, Hershey PA., Invited Speaker, August 1981.
27. Powell, John W., "Legal Aspects of Swimming Pool Management", Penn State Aquatics Symposium, University Park, PA., Invited Speaker, April 1981.
28. Powell, John W., "Legal Implication of Coaching", Penn State Sports Medicine Symposium, University Park, PA., Invited Speaker, April 1981.
29. Powell, John W., "Women As Athletes", Conemaugh Valley Hospital, Continuing Education Program, Johnstown PA., Invited Speaker, April 1981.
30. Powell, John W., "Rehabilitation Programs in Athletics", Conemaugh Valley Hospital, Continuing Education Program, Johnstown PA., Invited Speaker, April 1981.
31. Powell, John W., "Legal Implications of Emergency Medical", Central Pennsylvania Emergency Medical Services Council, Bucknell University, Lewisburg PA., Invited Speaker, February 1980.
32. Powell, John W., "Injury Surveillance for Professional Basketball", National Basketball Association, Annual Medical Conference, Atlanta GA., Invited Speaker, January 1978.

D. Seminars and Workshops

1. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level II, sponsored by the Michigan State University Department of Kinesiology. Course Director July 2007.
2. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level I, sponsored by the Michigan State University Department of Kinesiology. Course Director May 2007.
3. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level II, sponsored by the Michigan State University Department of Kinesiology. Course Director July 2006.
4. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level I, sponsored by the Michigan State University Department of Kinesiology. Course Director May 2006.
5. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level II, sponsored by the Michigan State University Department of Kinesiology. Course Director July 2005.
6. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level I, sponsored by the Michigan State University Department of Kinesiology. Course Director May 2005.
7. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level I, sponsored by the Michigan State University Department of Kinesiology. Course Director May 2004.
8. Powell John W, "Fundamental Techniques in the Evaluation and Manual Therapy for the Spine – Level I, sponsored by the Michigan State University Department of Kinesiology. Course Director, July 2003.
9. Powell, John W, "Issues in Youth Sports Research", invited participant, Consensus Workshop presented by the National Athletic Trainers Association Research and Education Foundation, Atlanta Ga. November, 1999.
10. Powell, John W., "Sports Injury Surveillance for Youth", Research Design Workshop, Centers for Disease Control, Atlanta, GA, May, 1996.
11. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April 21-23, 1994.
12. Powell, John W., "Mild Brain Injuries in Sports Summit", National Athletic Trainer's Association, Research and Education Foundation, Washington Marriott, Washington, DC, Planner and Moderator, April 16-19, 1994.
13. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April 21-23, 1993.
14. Powell, John W., "Flexibility, Weight Training and Nutrition: The Three Rs of Athletic Fitness", C. Vivian Stringer Summer Basketball Camp, Iowa City, Iowa, invited Speaker, June 17 & 24, 1992.
15. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April, 1992.
16. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, Walt Disney Resort, San Diego, CA, Invited Speaker, October, 1991.
17. Powell, John W., "Sports Injury Epidemiology", Invited Speaker, Preventive Medicine Epidemiology Colloquium, University of Iowa, February, 1991.

18. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April, 1991.
19. Powell, John W., "Soft Immobilization Techniques", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, Walt Disney Resort, Orlando, FL, Invited Speaker, April, 1991.
20. Powell, John W., "Clinical Evaluation of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, October, 1990.
21. Powell, John W., "Scholastic Injury Surveillance Systems", National Institutes of Health - Arthritis, Musculoskeletal and Skin Diseases, Planning Committee for International Conference entitled "Injuries in Youth Sports: Surveillance Strategies" to be held April, 1991.
22. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April, 1990.
23. Powell, John W., "Scholastic Sports Safety for the Community Physician", Guest Lecturer, College of Medicine, University of Iowa, September, 1989.
24. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, October, 1989.
25. Powell, John W., "The Role of the Physician's Assistant in Sports Medicine", Guest Lecturer, Physician's Assistant Program, Allied Health Programs, College of Medicine, University of Iowa, September, 1989.
26. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April, 1989.
27. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, October, 1988.
28. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, April, 1988.
29. Powell, John W., "Prevention of Ankle Injuries", Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, San Diego Princess Hotel, San Diego Ca. Invited Speaker, October, 1987.
30. Powell, John W., "Injury Surveillance for Athletic Trainers", San Diego State University, Sports Medicine Seminars, San Diego CA., Invited Speaker, April 1987.
31. Powell, John W., "Athletic Training Techniques" Sharp Memorial Hospital Continuing Medical Education, Sports Medicine for the Family Practice Physician, Hotel del Coronado, San Diego Ca. Invited Speaker, November, 1986.
32. Powell, John W., "High School Injury Registry: Recorder's Workshop", National Athletic Trainers Association, Research and Injury Committee, Las Vegas NV., Workshop Director, June, 1986.
33. Powell, John W., "Computerized Records for Athletic Trainers", San Diego State University, Sports Medicine Seminars, San Diego CA., Invited Speaker, November 1985.

34. Powell, John W., "High School Injury Registry", National Athletic Trainers Association, Research and Injury Committee Workshop, Kansas City, MO., Project Director, September, 1985.
35. Powell, John W., "NFL/NAIRS Developmental Workshop", National Football League, Special Recorders Workshop, Atlanta Ga. Project Director, February 1983.
36. Powell, John W., "Weight Training in Sports", Central Intermediate Unit #10, Phillipsburg, PA., Sports Medicine Workshop, Program Leader, February 1982.
37. Powell, John W., "Upper Extremity Injuries in Athletics", Central Intermediate Unit #10, Phillipsburg, PA., Sports Medicine Workshop, Program Leader, June 1981.
38. Powell, John W., "Nutrition in Athletics", Central Intermediate Unit #10, Phillipsburg, PA., Sports Medicine Workshop, Program Leader, April 1981.
39. Powell, John W., "Lower Extremity Injuries in Athletics", Central Intermediate Unit #10, Phillipsburg, PA., Sports Medicine Workshop, Program Leader, April 1981.
40. Powell, John W., "Prevention of Sports Injuries", Milton S. Hershey Medical Center, Continuing Education Program, Hershey PA., Program Leader, April 1981.
41. Powell, John W., "NAIRS/NFL Design and Implementation Workshop", National Football League, Detroit MI., Program leader and Project Director, April 1980.
42. Powell, John W., "Care of the Unconscious Athlete", Central Intermediate Unit #8, Ebensburg, PA., Program Leader, March 1980.
43. Powell, John W., "Legal Implication of Coaching", Central Intermediate Unit #8, Ebensburg, PA., Program Leader, March 1980.
44. Powell, John W., "Sports Safety Workshop", U.S. Department of Education, Washington DC., Program participant, February 1980.
45. Powell, John W., "NAIRS Annual Recorder's Workshop", National Athletic Trainers Association, Clinical Symposium, St. Louis MO., June 1979.
46. Powell, John W., "Sports Safety Seminar", Department of Physical Education, Gettysburg College, Program Leader, December 1979.
47. Powell, John W., "NAIRS Annual Recorder's Workshop", National Athletic Trainers Association, Clinical Symposium, Las Vegas NV., June 1978.
48. Powell, John W., "NAIRS Annual Recorder's Workshop", National Athletic Trainers Association, Clinical Symposium, Detroit MI., June 1977.
49. Powell, John W., "NAIRS Annual Recorder's Workshop", National Athletic Trainers Association, Clinical Symposium, Boston MA., June 1976.
50. Powell, John W., "USOC/AAHPERD Joint Committee for Research in Sports Safety", Washington DC., Program Participant, December 1977.
51. Powell, John W., "NAIRS Annual Recorder's Workshop", National Athletic Trainers Association, Clinical Symposium, Kansas City, MO., June 1975.

E. Consultant/Membership - Professional, Educational, Private and Governmental Agencies

1. Consultant – Major League Baseball – Injury and Safety Panel 2005-
2. Consultant – Michigan State University Board of Trustees, Stadium Turf Project, 2000.
3. Member – NHL Injury Analysis Panel, National Hockey League, 2000 – present.
4. Consultant, Davenport Public Schools, Stadium Renovation Project, 1998.
5. Consultant – Clarke College, Athletic Training Curriculum, 1999.
6. Consultant – Ernst & Young, LLP, Chicago IL. 1999.
7. Member - National Advisory Board, Caremark Orthopaedic Services, 1993 -1995
8. Member - NFL Injury & Safety Panel, National Football League, 1993 present

9. Member - NFL Sub-Committee on Mild Traumatic Brain Injury, National Football League, 1993 present
10. Member - NHL Team Physician Society- Injury Committee, National Hockey League, 1993 -present
11. Consultant - Steadman-Hawkins Sports Medicine Foundation - Vail Associates Project 1991 to 1997
12. Consultant - NHL Team Physicians Society, "Injuries in professional Ice Hockey: A Review of Injury Patterns", collaborated with Dr. Minkoff, Team Physician, New York Rangers, February 1993.
13. Consultant - Copple, and Boehm , Richard Black, Attorney, "Head Injuries in High School Football", Epidemiology of head injuries involving intracranial bleeding events. Analysis of impact parameters associated with football participation.
14. Consultant - NFL Team Physicians Society, "Meniscal Injuries in the National Football League 1980 -1990: A Review of Injury Patterns", collaborated with Dr. Jon Brown, Team Physician, Kansas City Chiefs, April 1992.
15. Consultant - NFL Team Physicians Society, "Lateral Collateral Ligament Injuries in the National Football League 1980 -1990: A Review of Injury Patterns", collaborated with Dr. John Bergfeld, Team Physician, Cleveland Browns, April 1992.
16. Consultant - NFL Team Physicians Society, "Anterior Cruciate Ligament Injuries in the National Football League 1980 -1990: A Review of Injury Patterns", collaborated with Dr. Carson, Team Physician, Tampa Bay Buccaneers, April 1992.
17. Consultant - National Institutes of Health, National Advisory Board for Arthritis, Musculoskeletal and Skin Diseases, "Youth Sports Injury: Surveillance Strategies", program planner and invited speaker.
18. Consultant - University of Iowa Injury Prevention Research Center, study of rural injury patterns. (Centers for Disease Control Grant)
19. Consultant - Southeastern Conference Sports Medicine Committee, injury patterns and risks factors associated with college sports.
20. Consultant - Department of Occupational Health, University of Iowa, Rural Injury Center Grant, design and organization of information systems for rural injury documentation.
21. Consultant - USOC/Athletes with Disability, designed and software production for implementation of the Athletes with Disabilities Injury Registry (ADIR).
22. Consultant - Big 10 Conference Sports Medicine Committee, injury patterns and risks factors associated with college sports.
23. Consultant - Med Sports Systems, Ltd, computer software for athletic injury recording and research protocols for large scale databases.
24. Consultant - Brendem and Hollins, Charles DeCuir, Attorney, "Catastrophic Injuries in Sports", Evaluation of films regarding the nature of surface related injury mechanisms, professional consultation and deposition.
25. Consultant - McCormack and Royce, A. Carl Jaeckel, Attorney, "Biomechanics of Knee Injuries in Indoor Soccer", Evaluation of films regarding the nature of surface related injury mechanisms.
26. Consultant - Atlanta Falcons Football Club, Injury patterns for game-related offensive line positions for seven seasons in the NFL and for the Falcons.
27. Consultant - New York Football Giants/New York Jets, Risk patterns analysis for football related injuries that occurred for both clubs while conduction home game schedules at the Meadowlands.

28. Consultant - Kansas City Chiefs, Description of the injury frequencies for the National Football League teams regarding posterior cruciate ligament problems.
29. Consultant - Indianapolis Colts, Identification of the risk patterns associated with shoulder contusion and acromioclavicular separations and the time of the season.
30. Consultant- Department of Physical Education, United States Military Academy, West Point N.Y. Contributing guidance to an injury study regarding the wearing of protective knee braces.
31. Consultant- Dr. James Cosgrove, Clinicorp, Columbus,GA., Retained to provide leadership in the development of high school injury prevention programs for local area schools.
32. Consultant- Mr. Jan VanDuser, Director of Operations, National Football League and the NFL Competition Committee. New York, N.Y. Provide data and considerations regarding specific risk patterns associated with participation in the NFL seasons.
33. Consultant- Richard T. Ball, Attorney at Law, Phoenix Az. Retained as professional witness regarding the risk patterns associated with high school and college sports.
34. Consultant-Law Offices of Shanahan and Schussel, Rosiland N.J. Provided background work for litigation regarding lower leg fractures in soccer.
35. Consultant-Drs. Kruper, Danyo, VanGiesen of York PA., conducted background work for the design of a Sports Medicine and Fitness Center. Prepared written documentation regarding space, personnel and future growth.
36. Consultant- National Football League Scouting Combine. Developed guidelines for the organization and operation of a combined program of pre-season screening of professional athletes.
37. Consultant-Law Offices of Ogne, Jinks Ecclestone and Alberts of Troy Michigan. provided background data regarding the incidence of kidney related injuries in high school athletics.
38. Consultant-State of Hawaii, Deputy Attorney General, Mr. Howard Gravelle, Honolulu HI. Prepared background data and preliminary testimony for litigation regarding the protection of high school athletes, especially as it relates to kidney injuries.
39. Consultant-Law Offices of Case, Weingartner, Yorks and Spadone, Rochester NY. Mr David Anderson. Prepared background data and documentation for the risk patterns associated with eye injuries in high school wrestling.

IV. Other Professional Growth Activities and Achievements

A. Attendance at Professional Meetings and Symposia

1. 2007 NFL Team Physicians Society Meeting, Indianapolis in February 2007, National Athletic Trainers Association Clinical Symposium, Anaheim CA in June 2007,
2. 2006 - NFL Team Physicians Society Meeting, Indianapolis in February 2006, NFL Business Summit in April 2006, National Athletic Trainers Association Clinical Symposium, Atlanta GA in June 2006, Major League Baseball Winter Meetings, Sports Safety Program, Orlando FL Dec 2006.
3. 2005 - NFL Team Physicians Society Meeting, Indianapolis in February 2005, Great Lakes Athletic Trainers Association, Annual Convention and Symposium, Toledo, OH in March, NFL Business Summit in April 2005, American Medical Society for Sports Medicine Annual Symposium in April 2005, National Athletic Trainers Association Clinical Symposium, Indianapolis IN in June 2005

4. 2004 – NHL Team Physician’s Society Meeting, Minneapolis MN in February, NFL Team Physicians Society Meeting, Indianapolis in February 2004, National Athletic Trainers Association Clinical Symposium, Baltimore MD in June 2004, Professional Hockey Athletic Trainers Society, Annual Meeting and Clinical Symposium, Baltimore MD in June 2004.
5. 2003 - NHL Team Physician’s Society Meeting, Miami, FL in February, NFL Team Physicians Society Meeting, Indianapolis in February 2003, National Athletic Trainers Association Clinical Symposium, St. Louis in June 2003, Professional Hockey Athletic Trainers Society, Annual Meeting and Clinical Symposium, Miami FL in June 2003.
6. 2002 - NHL Team Physician’s Society Meeting, Los Angeles, CA in February, NFL Team Physicians Society Meeting, Indianapolis in February, Great Lakes Athletic Trainers Association Annual Convention and Symposium, Columbus, OH in March, National Athletic Trainers Association Clinical Symposium, Dallas, TX in June, Professional Hockey Athletic Trainers Society, Annual Meeting and Clinical Symposium, Dallas TX in June.
7. 2001 - NHL Team Physician’s Society Meeting, Denver, CO in February, NFL Team Physicians Society Meeting, Indianapolis in February, American College of Sports Medicine National Convention, Baltimore, MD in June., National Athletic Trainers Association Clinical Symposium, Los Angeles, CA in June, Professional Hockey Athletic Trainers Society, Annual Meeting and Clinical Symposium, Palm Spring, CA in June, Sports Related Concussion Symposium, Pittsburgh PA, in July.
8. 2000 - NHL Team Physician’s Society Meeting, Toronto Ontario, CANADA, February, 2000, NFL Team Physicians Society Meeting, Indianapolis, IN, Feb. 2000, Texas Medical Association’s Annual Convention and Symposium, San Antonio TX, May 2000, Michigan State University College of Osteopathic Medicine’s Sports Medicine Symposium, May 2000, Professional Hockey Athletic Trainers Society, Annual Meeting and Clinical Symposium, Orlando FL, June 2000, National Athletic Trainers Association Clinical Symposium, Nashville, TN, June 2000, American Orthopedic Society for Sports Medicine, Annual Symposium, Jackson Hole, Wy. June.
9. 1999- NHL Team Physician’s Society Meeting, Tampa FL, January, 1999, NFL Team Physicians Society Meeting, Indianapolis, IN, Feb. 1999, Minnesota Athletic Trainers Society Meeting, Minneapolis, MN, April 1999, Concussions in Sport Symposium, Orlando FL, May 1999, National Athletic Trainers Association Clinical Symposium, Kansas City, MO, June 1999.
10. 1998- NHL Team Physician’s Society Meeting, Vancouver, January, 1998, NFL Team Physicians Society Meeting, Indianapolis, IN, Concussions in Sport Symposium, Orlando FL, March 1998, American Medical Society for Sports Medicine Symposium, Nashville, April 1998, International Ice Hockey Federations Sports Medicine Symposium, Zurich Switzerland May 1998, American College of Sports Medicine and FIMS Convention, Orlando FL, May 1998, National Athletic Trainers Association Clinical Symposium, Baltimore MD, June 1998.
11. 1997- NHL Team Physician’s Society Meeting, San Jose, January, 1997, NFL Team Physicians Society Meeting, Indianapolis, IN, Concussions in Sport Symposium, Orlando FL, February 1997, Great Lakes Athletic Trainers Association Meeting, Minneapolis, MN, March 1997, National Athletic Trainers Association Clinical Symposium, Salt Lake City, UT, June 1997.
12. 1996-NFL Team Physicians Society Meeting, Indianapolis, IN, NHL Team Physician’s Society Meeting, Boston MA, January, 1996, Great Lakes Athletic

- Trainers Association Meeting, Madison WI, March 1996, National Athletic Trainers Association Clinical Symposium, Orlando, FL, June 1996, Concussions in Sport Symposium, Pittsburgh PA, February 1996.
13. 1995-NFL Team Physicians Society Meeting, Indianapolis, IN, Minnesota State Athletic Trainers Association Meeting, Minneapolis, MN, April, 1995, Illinois Athletic Trainers Association Meeting, Naperville, IL, May 1995, National Athletic Trainers Association Clinical Symposium, Indianapolis, IN, June 1995, Professional Hockey Athletic Trainers Society, Indianapolis, IN, June 1995.
 14. 1994-NFL Team Physicians Society Meeting, Indianapolis, IN, National Athletic Trainers Association Clinical Symposium, Dallas, TX, June 1994, Professional Hockey Athletic Trainers Society, Dallas, TX, June 1994, American Society of Testing Materials, F-8 Committee Symposium of Safety in Football, Phoenix, AZ, December 1994.
 15. 1993-NHL Team Physicians Meeting, February 1993, Montreal, Ontario, CANADA, Southeastern Conference's Sports Medicine Symposium, Lexington, KY., National Athletic Trainers Association, June 1993, Professional Hockey Athletic Trainers Society, Kansas City, MO, June 1993, Iowa Athletic Trainers Society Symposium, July, 1993, International Turfgrass Society Symposium, Palm Beach, FL, July 1993.
 16. 1992-NFL Team Physicians Society Clinical Symposium, San Francisco, April, 1992, National Athletic Trainers Association Clinical Symposium, Denver, CO June 1992, Professional Hockey Athletic Trainers Society, Colorado Springs, CO, June 1992.
 17. 1991-Great Lakes Athletic Trainers Association Clinical Symposium, Chicago, IL, March 1991, Third National Injury Control Conference, Centers for Disease Control, Denver, April 1991, National Athletic Trainers Association Clinical Symposium, New Orleans, LA, June 1991.
 18. 1990-Great Lakes Athletic Trainers Association Clinical Symposium, Toledo OH, March 1990, National Athletic Trainers Association Clinical Symposium, Indianapolis, IN, June 1990.
 19. 1989-National Safety Congress, National Safety Council Annual Convention, Chicago, ILL, October, 1989. 21st Annual Midwestern Mechanics Conference, Michigan Technological University, Houghton MI, August, 1989. American Orthopedic Society for Sports Medicine, Traverse City, MI, June 1989. National Athletic Trainers Association, Dallas, TX 1989, American Academy of Orthopedic Surgeons, Las Vegas NV, February 1988.
 20. 1988-American Orthopedic Society for Sports Medicine, Sport Injury Research Symposium, San Antonio, TX, Dec 1988. National Athletic Trainers Association, Baltimore, MD 1988, American Academy of Orthopedic Surgeons, American Society for Sports Medicine, Prophylactic Knee Brace Seminar, Invited Guest, Atlanta, GA., February 1988.
 21. 1987-American Orthopedic Society for Sports Medicine, Sport Injury Research Symposium, Atlanta, GA, Dec 1987. National Athletic Trainers Association, Columbus. American Trauma Society Convention, Washington D.C. Centers for Disease Control, Injury In America Conference, Atlanta, District 8 Annual Meeting Long Beach, CA
 22. 1986-National Athletic Trainers Association, Las Vegas, District 8 Annual Meeting San Jose CA.
 23. 1985-National Athletic Trainers Association, San Antonio California Athletic Trainers Association, San Diego.
 24. 1984-National Athletic Trainers Association, Nashville -Pennsylvania Athletic Training Society, Harrisburg, -Association of Fitness in Business, Milwaukee

25. 1983-National Athletic Trainers Association, Denver, Pennsylvania Athletic Training Society, Harrisburg - Sayers J."Bud"Miller Education Conference, Pittsburgh - Cybex Isokinetic Systems Conference, Washington DC - American Alliance of Health, Physical Education, Recreation and Dance, Minneapolis
26. 1982-National Athletic Trainers Association, Seattle Pennsylvania Athletic Training Society, Harrisburg
27. 1981-National Athletic Trainers Association, Ft. Worth - Eastern Athletic Trainers Association, Grossingers, - NATA Professional Education Conference, Nashville,TN
28. 1980-National Athletic Trainers Association, Philadelphia Eastern Athletic Trainers Assoc., Grossingers - American Alliance of Health, Physical Education, Recreation and Dance, Detroit -American College of Sports Medicine, Las Vegas, NV
29. 1979-National Athletic Trainers Association, St. Louis - Eastern Athletic Trainers Association, Grossingers - American Alliance of Health, Physical Education, Recreation and Dance, Madison Southeastern Athletic Trainers Association, Atlanta, - District III Athletic Trainer, Greensboro, NC
30. 1978-National Athletic Trainers Association, Las Vegas - Eastern Athletic Trainers Association, Grossingers - NATA Professional Education Conference, Nashville - American Alliance of Health, Physical Education, Recreation and Dance, Kansas City International Congress of Sport Sciences, Edmonton, Alberta, CANADA
31. 1977-National Athletic Trainers Association, Detroit - Eastern Athletic Trainers Association, Grossingers, NY
32. 1976-National Athletic Trainers Association, Boston - Eastern Athletic Trainers Association, Grossingers, - American Alliance of Health, Physical Education, Recreation and Dance, Milwaukee, WI
33. 1975-National Athletic Trainers Association, Kansas City Eastern Athletic Trainers Association, Grossingers, NY
34. 1974-National Athletic Trainers Association, Atlanta - Eastern Athletic Trainers Association, Grossingers - American College Health Association, Dallas - National Intramural Association, Phoenix, AZ
35. 1973-National Athletic Trainers Association, Anaheim - Eastern Athletic Trainers Association, Great Gorge,N. J.
36. 1972-National Athletic Trainers Association, St.Louis - Eastern Athletic Trainers Association, Grossingers, N. Y.
37. 1971 – Great Lakes Athletic Trainers Association, Annual Convention and Symposium, Valparaiso, IN in March.
38. 1970 – Great Lakes Athletic Trainers Association, Annual Convention and Symposium, Madison, WI in March.
39. 1969 – Great Lakes Athletic Trainers Association, Annual Convention and Symposium, Macomb, IL in March.
40. 1968 – Great Lakes Athletic Trainers Association, Annual Convention and Symposium, Denison, OH in March.

V. CLASSROOM TEACHING EXPERIENCE

- A. Michigan State University, Athletic Training
 1. Therapeutic Exercise
 2. Basic Athletic Training
 3. Clinical Evaluation of the Lower Extremity
 4. Clinical Evaluation of the Upper Extremity
 5. Organization and Administration of Athletic Training
 6. Therapeutic Modalities
 7. Clinical Evaluation of Structural Pathology (graduate course)

8. Management of Structural Pathology (graduate course)
9. Injury Control for Sports and Physical Activities (graduate course)
- B. Clarke College, Athletic Training Curriculum
 1. Organization and Administration of Athletic Training
 2. Therapeutic Modalities in Athletic Training
- C. University of Iowa , Athletic Training Curriculum
 1. Clinical Aspects of Athletic Training - Therapeutic Exercise
 2. Clinical Aspects of Athletic Training - Therapeutic Modalities
- D. San Diego State University
 1. Basic Physical Education - Personal Fitness and Jogging
 2. Basic Physical Education - Racquetball
 3. Athletic Training Curriculum
 - a) Basic Athletic Training
 - b) Therapeutic Exercise in Sports Medicine
 - c) Therapeutic Modalities in Athletic Training
 - d) Pathophysiology and Patho-mechanics of Injury - Designed and Implemented
 - e) Administrative Problems in Athletic Training
 4. Graduate - Injury Control - Designed and Implemented
- E. Pennsylvania State University
 1. Health Education - Drugs in Sports
 2. Health Education - Drugs in Society
 3. Athletic Training Curriculum
 - a) Basic Athletic Training and Injury Prevention
 - b) Therapeutic Exercise in Athletic Training
 - c) Therapeutic Modalities in Athletic Training
 4. Administration of the Athletic Training Services
 5. Human Anatomy
 6. Graduate - Injury Control - Designed and Implemented
- F. United State Military Academy
 1. Personal Fitness and Health
 2. Basic Physical Education - Racquetball
 3. Basic Physical Education - Squash
 4. Basic Physical Education - Tennis
 5. Basic Physical Education - Ice Skating
 6. Basic Physical Education - Skiing
- G. Wayne Community Schools
 1. Biology
 2. Physical Science
 3. Human Anatomy & Physiology

VI. SERVICE TO THE UNIVERSITY AND THE COMMUNITY

- A. Service to the University
 1. Committee Assignments: University, College and Department
 - a) University Committee on Faculty Affairs, Co-Chair, 2007 – 20087, Faculty Liaison to the MSU Board of Trustees.
 - b) Member, MSU Executive Committee of Faculty Council, MSU Faculty Council, and MSU Academic Council. 2007-2008, co-Chair, University Committee on Faculty Affairs, Budget Subcommittee's Task Force on Health Care Options, 2007-2008.

- c) Co-Chair, University Committee on Faculty Affairs, Budget Sub-Committee's Task Force on Health Care Options, 2006-2007
- d) Department of Kinesiology Curriculum Committee, Chair 2005 – 2007
- e) Department of Kinesiology Faculty Advisory Council 2006 - 2008
- f) Member, MSU Executive Committee of Faculty Council, MSU Faculty Council, and MSU Academic Council. 2006-2007
- g) University Committee on Faculty Affairs, Co-Chair, 2006 – 2007.
- h) Sports Medicine Research Initiative – Development Team
- i) Chair, Budget Sub-Committee, University Committee on Faculty Affairs 2005 – 2006.
- j) Chair, Kinesiology Search Committee, Athletic Training Position 2004-2005.
- k) Board of Directors, Healthy U Program, Michigan State University, 2004 - 2005
- l) Representative of College of Osteopathic Medicine to the University Committee on Faculty Affairs 2004 – 2008.
- m) Chair, Research Committee for Physical Medicine & Rehabilitation 2003-present
- n) Chair, Department of Kinesiology Personnel Committee, 2003
- o) Chair, Department of Kinesiology Personnel Committee, 2002
- p) Member, Department of Kinesiology Personnel Committee, 2001
- q) Member, Department of Kinesiology Curriculum Committee, 2001 - 2003
- r) Consultant – Board of Trustees, Michigan State University June 2000.
- s) University of Iowa, Senior Investigator, Injury Prevention Research Center, Agricultural Medicine and Occupational Health, Co-investigator Rural Injury Surveillance Project", 1990 1994
- t) San Diego State University, Departmental Curriculum Committee 1985-1988, Chairman 1986-1988
- u) San Diego State University, Departmental Exercise Science, Committee 1985-1988.
- v) San Diego State University, College of Professional Studies and Fine Arts, College Curriculum Committee 1986-1988, Chairman-Elect 1988
- w) Penn State University, College of Health, Physical Education and Recreation, Administrative Travel Committee, 1981-1982
- x) Penn State University, College of Health, Physical Education and Recreation, Health Education Graduate Admission Committee 1982-1985
- y) Penn State University, College of Health, Physical Education and Recreation, Safety Officer 1982- 1985
- z) Penn State University, University Safety Committee College Representative, 1982- 1985
- aa) Penn State University, College of Health, Physical Education and Recreation, Medical Coordinator for the Keystone State Games 1982-1984
- bb) Penn State University, Faculty Advisor for the Fraternity of Phi Gamma Delta 1982- 1985.

B. Other Assignments and Services

1. Michigan State University Clinical Athletic Training, Wrestling & Swimming 1999 – present)
2. University of Iowa Clinical Athletic Training - Women's Volleyball, 1993-94
3. University of Iowa Clinical Athletic Training - Women's Basketball, 1991-94
4. Information Systems Manager for the University of Iowa Athletic Department

5. Program Director for Sports Medicine Education, San Diego State University
6. Penn State University Clinical Athletic Training
 - a) Men's Soccer Team 1980-1982
 - b) Women's Basketball 1981-1985
7. Director of Sports Medicine
 - a) Keystone State Games 1982-1984
8. Penn State University Undergraduate Advisor for Athletic Training Curriculum and Health Education
9. Penn State University Program Director for the Undergraduate Athletic Training Option in Health Education.
10. Penn State University Graduate Academic and Thesis Advisor for Health Education.
11. United States Military Academy, Company A-2 Tactical Advisor for Physical Education
12. United States Military Academy, Designed and implemented the concept of the Knee Squad for cadets recovering from knee surgery.
13. United States Military Academy, Designed and implemented the West Point Injury Prevention Program using the interdisciplinary approach of combining doctors, physical therapists, athletic trainers and PE instructors as an injury prevention team.
14. United States Military Academy, Designed and implemented apre-participation screening program for the Physical Education and Intramural Programs.
15. United States Military Academy: Served as the athletic trainer for Rugby, Volleyball, Karate and Judo Clubs.

A. Service to the Community

1. Speeches
 - a) Dimondale Elementary School, Career Day, February, 2002.
 - b) Haslett High School Career Day, October, 2001.
 - c) High School Athletic Training, Public Forum - Cedar Rapids Public School, April 1990. Panel discussion for coaches, administrators, parents and athletes.
 - d) "The High School Athletic Trainer", Coronado School Board, Jan 1987.
 - e) "Athletic Training in High School Sports", Coronado All Sports Booster Club, December 1986.
 - f) "Athletic Training in High School Sports", Coronado Boosters, Oct 1985. "Implementation of High School Athletic Training Program", Grossmont High School District, February 1986
 - g) "Careers in Sports Medicine", Mt. Helix High School Career Day, May 1986.
 - h) "Medical Aspects of Physical Fitness", North Island Naval Air Station, Physical Fitness Program, May 1986.
 - i) "Career Day: Sports Medicine", State College Area School District, State College, PA., April 1984.
 - j) "Currents Trends in Sports Medicine", State College Optimist Club, State College, PA., February 1984.
 - k) "Litigation in Sports", Penn State University Football Coaching Clinic, University Park Pa., April 1982.
 - l) "Sports in the Courts: Will it Destroy Athletics", Altoona Rotary Club, Altoona Pa., March 1981.

- m) "Medical Legal Aspects of Coaching", Altoona Area Public School, Athletic Department, Altoona Pa., September 1980
 - n) "High School Athletic Injury", Dauphin Central High School, Athletic Coaches Association, Harrisburg Pa., June 1980.
2. Articles in Newspapers
- a) "NATA High School Injury Registry", articles appeared in an estimated 1,000 newspapers for the period February to April 1987.
 - b) "Professional should try to Make Football Safer", Eastern Express, Harrisburg Pa., Sept. 16, 1984.
 - c) "Serious Injuries in High School Players Can be Controlled", Lewistown Sentinel, Lewistown Pa., September 1984.
 - d) "Football Marred by Injuries: Should Amateurs be Playing This Sport At All", Harrisburg Patriot, Harrisburg, Pa., August, 27,
3. Other Services to Community
- a) "The NATA Research in Sports Medicine", The Sports Talk Show, Radio Station, Dallas, TX, June 1989.
 - b) "High School Football Injuries", Madison Square Garden Cable TV, Stamford, CT., January 1988.
 - c) "High School Football Injuries", High School SportsWeek, Madison Square Garden Cable TV, Stamford CT., February, 1987.
 - d) "NATA High School Injury Study", All News Radio, Radio Station, Community Affairs Department, Seattle Wa., March 1987.
 - e) "Safety in High School Football", WBEN Radio, Buffalo N.Y., Feb
 - f) "The NATA Research in Sports Medicine", The Art Rust Show, WABC Radio Station, New York, N.Y. February 1987.
 - g) "Sports Injuries in Recreational Athletes", Lion Country Close-Up, WMAJ Radio Station, Community Affairs Department, State College, Pa., Aug 1984.
 - h) "High School Sports Medicine Programs", Weather/World WPSX Television Network, Penn State University, University Park, Pa., April 1980.
 - i) "HEW Survey of Athletic Injuries and Deaths, 1975-1976", Weather/World WPSX Television, Penn State Univ, University Park, Pa., April 1980.

TAB 15

Curriculum Vitae
of
DOUGLAS WYNNE ROBERTSON, M.D.

HOME 11015 Windermere Blvd.
Fishers, IN 46037
(317) 841-7635

BUSINESS American Health Network
12425 Old Meridian
Carmel, IN 46032
(317) 848-1402
(1988-present)

Methodist Sports Medicine Center
201 N. Pennsylvania Parkway
Indianapolis, IN 46202
(317) 924-8631
(1987-present)

PERSONAL DATA

Douglas Wynne Robertson
Born May 28, 1955 in Bluffton, Indiana
Married - Vicki Sims Robertson
August 3, 1985
Children – Doug (26) and Kelsey (17)

EDUCATION

High School Eastern High School
Greentown, IN 1973

Undergraduate Purdue University
West Lafayette, Indiana
B.S. Biology 1977

Graduate	Arizona State University Tempe, Arizona 1977-79 Masters Program Immunology
Medical	Indiana University School of Medicine Indianapolis, Indiana 1983
Internship	Family Practice Methodist Hospital Indianapolis, Indiana 1983-84
Residency	Family Practice Methodist Hospital Indianapolis, Indiana 1984-86
Fellowship	Primary Care Sports Medicine Methodist Sports Medicine Center Methodist Hospital Indianapolis, Indiana 1986-87

BOARD STATUS

Board Certified, American Board of Family Practice, 1986.
Recertified 1992, 1999, 2006
Certificate of Added Qualifications, Sports Medicine, 1995.

CERTIFICATION

Advanced Cardiac Life Support, Recertified 2005
Advanced Trauma Life Support, 1987

LICENSURE

State of Indiana, 1984-present #01034044

STAFF

Methodist Hospital, Indianapolis, Indiana
St. Vincent's Hospital, Indianapolis, Indiana
St. Vincent's Hospital, Carmel, Indiana
Clarian North Hospital, Carmel, Indiana

MEDICAL SOCIETIES

American Academy of Family Physicians
Indiana Academy of Family Physicians
Marion County Medical Society
Indiana State Medical Association
National Football League Physicians Society

PROFESSIONAL ACTIVITIES

Team Physician	Arsenal Technical High School 1983-85 Lawrence North High School 1986-2001 University of Indianapolis (Div. II) 1987-1990 Marian College 1994-2001
Team Physician	Indianapolis Colts 1988-present
Director	Primary Care Sports Medicine Fellowship Methodist Hospital of Indiana, Inc. Methodist Sports Medicine Center 1987-1996
Academic	Clinical Assistant Professor Dept. of Family Medicine Indiana University School of Medicine 1993-2003
Committees	NFL Subcommittee on Mild Traumatic Brain Injury 1995-present

April 5, 2007

PUBLICATIONS

Robertson, DW: **The Team Physician, Sports Medicine Forum (Statewide Newsletter)**, 5(3):1, 1986

Rettig, A, Shelbourne, KD, Beltz, HF, Robertson, DW, Arfken, P.: **Radiographic Evaluation of Foot and Ankle Injuries in the Athlete, Clinics in Sports Medicine**, 6(4):905-919, 1987

Robertson, DW: **Prepubescent Weight Training, Sports Medicine Forum**, 6(3):3, 1988

Robertson, DW: **Low Back Pain in Athletes, Sports Medicine Forum**, 6(5):1-4, 1988

Robertson, DW: **Anabolic Steroids, Sports Medicine Forum**, (2):1-4, 1988

Robertson, DW: **Exertional Compartment Syndrome, Sports Medicine Forum**, 7 (7):1-4, 1989

Robertson, DW: **Sudden Death in Young Athletes, Sports Medicine Forum**, 8 (4):3, 1991

Pellman, EJ, Powell, JW, Viano, DC, Casson, IR, Tucker, AM, Feuer, H, Lovell, M, Waeckerle, JF, Robertson, DW: **Concussion in Professional Football: Epidemiological Features of Game Injuries and Review of the Literature, Neurosurgery**, 54(1):81-96, 2004

PRESENTATIONS

The Team Physician & You, Methodist Sports Medicine Center Fall Conference, 1986

Common Sports Injuries, Indiana Pharmacists Association, 1986

Knee Anatomy & Biomechanics, Methodist Sports Medicine Center Fall Conference, 1987

The Athletic Pre-participation Physical, Methodist Family Practice Grand Rounds, 1987 / IATA Methodist Sports Medicine Fall Conference, 1989

Overuse Injuries to the Lower Extremity, Methodist Medicine Sub-specialty Grand Rounds, 1988

Health, Physical Activity & Fitness, Union Hospital Medical Staff, 1988/ Indiana Legal Administrators, 1989

Sports Injuries in Children and Adults, Pediatrics/Emergency Medicine Grand Rounds, 1988

What Are Anabolic Steroids? Indiana Athletic Trainers Assoc.1989/ Methodist Family Practice Section, Indianapolis, 1989.

Sports Medicine: Overuse Injuries, Bartholomew County Hospital Medical Staff 1990.

Pediatric Overuse Injuries, Indiana Academy of Pediatrics, Indianapolis, 1991.

Career Paths in Sports Medicine Emergency Medicine Grand Rounds, Methodist Hospital, Indianapolis, 1991.

Acute Ankle Injuries, Emergency Medicine Grand Rounds, Methodist Hospital, Indianapolis, 1991.

Evaluation of Cholesterol and Body Fat Percentages in NFL Combine Participants National Football League Team Physicians Annual Scientific Meeting, American College of Sports Medicine Indianapolis 1993.

Concussion Treatment in the NFL, NFL Physicians Society Conference, San Francisco 1992. Washington D.C. 1994.

Concussion Treatment, Indiana Academy of Family Physicians Sports Medicine Conference, Indianapolis, 1995.

The Preparticipation Evaluation, 1995 Family Practice Update, Methodist Hospital Indianapolis, 1995.

Diagnostic Testing in Athletes, National Athletic Trainers Association Annual Meeting
Indianapolis, 1995.

ENT Evaluation in the Athlete, National Athletic Trainers Association Annual Meeting
Indianapolis, 1995.

TAB 16

CURRICULUM VITAE
University of Pittsburgh
School of Medicine

BIOGRAPHICAL

Name:	Patrick J. Stollo, Jr.	Birth Date:	1/30/54
Home Address:	3048 White Pine Drive Gibsonia, PA 15044	Birth Place:	Bitburg AFB, Germany
Home Phone:	724-934-0123	Citizenship:	U.S.A.
Business Address:	Montefiore University Hospital 3459 Fifth Avenue Suite S-643 Pittsburgh, PA 15261	Social Security:	154-48-4216
Business Phone:	412-692-2880	Spouse:	Diane C.

EDUCATION AND TRAINING

UNDERGRADUATE:

1976	Washington College Chestertown, MD	B.S.	Chemistry (Cum Laude)
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GRADUATE:

1977	Wagner College Staten Island, NY	M.S.	Biomedical Sciences
1981	Uniformed Services University of the Health Sciences Bethesda, MD	M.D.	

POST GRADUATE:

7/1/81 - 6/30/82	Wright Patterson Medical Center	Internal Medicine
Internship	Wright Patterson AFB, OH	

7/1/82 - 6/30/84 Residency	Wilford Hall USAF Medical Center Lackland AFB, TX	Internal Medicine
7/1/85 - 6/30/87	Wilford Hall USAF Medical Center Lackland AFB, TX	Pulmonary Disease Fellowship

APPOINTMENTS AND POSITIONS

ACADEMIC:

2007-present	University of Pittsburgh	Director, Office of Clinical Research, Health Sciences
2003-present	University of Pittsburgh	Medical Director, UPMC Sleep Medicine Center
1999-2003	University of Pittsburgh	Co-Director, Sleep Disorders Fellowship (joint program with the Western Psychiatric Institute and Clinic Sleep Program)
1997-present	University of Pittsburgh	Associate Professor of Medicine
1996-2003	University of Pittsburgh Pittsburgh, PA	Associate Chief, Pulmonary Sleep Disorders Program
1996-present	University of Pittsburgh Pittsburgh, PA	Medical Director of the Clinical Pulmonary Sleep Evaluation Laboratory
1995 - 2000	University of Pittsburgh Pittsburgh, PA	Medical Director, Respiratory Therapy
1993 - 1997	University of Pittsburgh Pittsburgh, PA	Assistant Professor of Medicine
1993 - present	University of Pittsburgh Pittsburgh, PA	Director, Pulmonary Sleep Disorders Training Program
1993 - present	University of Pittsburgh Pittsburgh, PA	Associate Director, Pulmonary Sleep Evaluation Center
1987 - 1993	Wilford Hall USAF Medical Center Lackland AFB, TX	Staff, Pulmonary/Critical Care Medicine Service, and Medical Director, Sleep Disorders Laboratory, Division of Medicine

1988 - 1993	University of Texas Health	Clinical Assistant Professor
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Curriculum Vitae
10/01/07

Patrick J. Stollo, Jr., MD
Page 2

Science Center at San Antonio
San Antonio, TX

1987 - 1993	Uniformed Services University of the Health Sciences Bethesda, MD	Assistant Professor in Internal Medicine
1984 - 1986	Uniformed Sciences University of the Health Sciences Bethesda, MD	Clinical Assistant Professor
1982 - 1984	Uniformed Services University of the Health Sciences Bethesda, MD	Teaching Fellow
1981 - 1982	Wright State University School of Medicine	Junior Resident Clinical Instructor

MILITARY:

1991 - 1993	Wilford Hall USAF Medical Center Lackland AFB, TX	Military Consultant to the U.S. Air Force Surgeon General for Internal Medicine, Pulmonary Diseases/Sleep Disorders
1988 - 1993	Wilford Hall USAF Medical Center Lackland AFB, TX	Medical Director, Sleep Disorders Laboratory, Division of Medicine
1987 - 1993	Wilford Hall USAF Medical Center Lackland AFB, TX	Chairman, Internal Medicine Education Committee
1984 - 1985	Wilford Hall USAF Medical Center Lackland AFB, TX	Director, Medical Intermediate ICU
1984 - 1985	Wilford Hall USAF Medical Center Lackland AFB, TX	Chief of Medical Residents, Department of Internal Medicine

CERTIFICATION AND LICENSURE

SPECIALTY CERTIFICATION:

1991	American Board of Sleep Medicine (No. 503)
1989	American Board of Internal Medicine Special Qualifications in Critical Care Medicine (No. 97329)

1988 American Board of Internal Medicine
Subspecialty Pulmonary Disease (No. 97329)

1984 American Board of Internal Medicine (No. 97329)

1982 National Board of Medical Examiners

MEDICAL LICENSURE:

1993 - Present	Commonwealth of Pennsylvania	#MD-049913-L
1986 - 1993	State of New Jersey	#48839

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

Professional Memberships:

American College of Physicians (Member)
American Medical Association (Member)
American Thoracic Society (Member)
• Respiratory Neurobiology and Sleep
• Clinical Problems
American College of Chest Physicians (Fellow)
American Academy of Sleep Medicine (Fellow)
Sleep Research Society (Member)

HONORS

The Air Force Achievement Medal	27 Oct 1985
The Meritorious Service Medal	16 Sept 1993
Best Doctors in America	2001-present
Castle Connolly's Top Doctor's (Pulmonary)	2007-present

PUBLICATIONS

1. Refereed Articles:

- 1) Steel J, Thomas H, **Strollo P.** Fusiform basilar aneurysm as a cause of embolic stroke. *Stroke* 1982; 13(5): 712-716.
- 2) Berdine G, **Strollo P.** Effect of mechanical load on tidal volume during high frequency jet ventilation. *J Appl Physiol* 1988; 64(3):1217-1222.
- 3) Berdine G, Lehr J, **Strollo P.** Multiple gas washout during jet ventilation. *J Appl Physiol* 1988; 65(5):2075-2079.

- 4) Schenk DA, **Strollo PJ**, Pickard JS, Komadina KH, et al. Utility of the Wang 18 gauge transbronchial histology needle in the staging of bronchogenic carcinoma. *Chest* 1989; 96(2):272-274.
- 5) **Strollo PJ**, Ence K, Campos E, Schenk DA. Lingual tonsillar hypertrophy: A reversible cause of obstructive sleep apnea in a young adult. *Sleep Res* 1990; 19:300.
- 6) Priest D, **Strollo P**, Derman S. The effects of tilt table induced upper body fluid shifts on the physiology of sleep. *Sleep Res* 1990; 19:42.
- 7) Jenkins M, **Strollo PJ**, Campos E, Schenk DA. A comparison of polysomnography to a computer based inductive plethysmography system in patients with sleep disordered breathing. *Sleep Res* 1991; 20:263.
- 8) **Strollo PJ**, Brassard J, Campos E, Schenk DA. Flow dependence of oxygen delivery with CPAP: An in vitro investigation. *Sleep Res* 1992; 21:360.
- 9) Komadina KK, Carlson TA, **Strollo PJ**, Navratil D. An electrophysiologic study of the effects of aminophylline and metaproterenol in canine myocardium. *Chest* 1992; 101(1):232-238.
- 10) Morales C, **Strollo PJ**. Non-cardiogenic pulmonary edema from accidental hypothermia. *Chest* 1993; 103:971-973.
- 11) Schenk DA, Chambers SL, Derdak S, Komadina KH, Pickard JS, **Strollo PJ**, et al. Comparison of the Wang 19 gauge and 22 gauge needles for mediastinal staging of lung cancer as a cost effective alternative to surgery. *Am Rev Respir Dis* 1993; 147:1251-1258.
- 12) **Strollo PJ**, Epstein LJ, Derman S. Reversal of sleep disordered breathing with a continuous estrogen/progesterone regimen. *Sleep Res* 1993; 22:280.
- 13) French J, Hughes R, Whitmore J, Neville K, **Strollo P**, Reiter RJ. Diurnal melatonin induced effects on oral temperature and subjective fatigue. *Sleep Res* 1993; 22:83.
- 14) Atwood CW, **Strollo PJ**, Sanders MH, Stiller RA, Martin TJ, Walsh SK. Arousal producing leg movements in sleep disordered breathing pre and post treatment with positive airway pressure. *Sleep Res* 1994; 23:220
- 15) Sanders MH, Kern NB, Constantino JP, Stiller RA, **Strollo PJ**, Studniki KA, Coates JA, Richards TJ. Accuracy of End-Tidal and Transcutaneous PCO₂ Monitoring During Sleep. *Chest* 1994; 106:472-483
- 16) Sanders MH, Kern NB, Stiller RA, **Strollo PJ**, Martin TJ, Atwood CW. CPAP therapy via oronasal mask for obstructive sleep apnea. *Chest* 1994; 106:774-779
- 17) Morales CF, Patefield AJ, **Strollo PJ**, Schenk DA. Flexible transbronchial needle aspiration in the diagnosis of sarcoidosis. *Chest* 1994; 106:709-711

- 18) Thorpy, M, Chesson, A, Derderian, S, Kader, G, Millman, R, Potolicchio, S, Reite, M, Rosen, G, **Strollo, PJ**, Wooten, V. Practice Parameters for the Use of Laser-assisted Uvulopalatoplasty. *SLEEP* 1994;17:744-748.
- 19) Thorpy, M, Chesson, A, Derderian, S, Kader, G, Millman, R, Potolicchio, S, Rosen, G, **Strollo, PJ**. Practice Parameters for the Use of Actigraphy in the Clinical Assessment of Sleep Disorders. *SLEEP* 1995;18:285-287.
- 20) Thorpy, M, Chesson, A, Derderian, S, Kader, G, Millman, R, Potolicchio, S, Rosen, G, **Strollo, PJ**, Wooten, V. Practice Parameters for the Treatment of Snoring and Obstructive Sleep Apnea with Oral Appliances. *SLEEP* 1995;18:511-513.
- 21) Epstein LJ, **Strollo PJ**, Donegan RB, Delmar J, Hendrix C, Westbrook PR. Obstructive sleep apnea in patients with human immunodeficiency virus (HIV) disease. *Sleep* 1995 18:368-376
- 22) Loube D, **Strollo PJ**, Epstein L, Davenport L. The effect of quiet tidal breathing on lateral cephalometric measurements. *Journal of Oral and Maxillofacial Surgery* 1995 53:1155-1159
- 23) **Strollo PJ**, Rogers RM. Obstructive Sleep Apnea. *N Engl J Med* 1996 334:99-104
- 24) Phillips B, Collop N, **Strollo P**. Controversies in Sleep Disorders Medicine: Pulmonologists Respond! *Chest* 1996 110:1597-1602
- 25) Thorpy, M, Chesson, A, Derderian, S, Kader, G, Millman, R, Potolicchio, S, Rosen, G, **Strollo, PJ**. Practice Parameters for the Treatment of Obstructive Sleep Apnea in Adults: The Efficacy of Surgical Modifications of the Upper Airway. *SLEEP* 1996;19:152-155.
- 26) Johns FR, **Strollo PJ**, Buckley M, Epstein L, Henderson J, Constantino J. The Influence of Craniofacial Structure on Obstructive Sleep Apnea in Young Adults. *J Oral and Maxillofac Surg* 1998 56:596-602
- 27) Sanders MH, Costantino JP, **Strollo PJ**, Studnicki K, Atwood CW. The impact of split-night polysomnography for diagnosis and positive pressure therapy titration on treatment acceptance and adherence in sleep apnea/hypopnea. *Sleep* 2000 23:17-24
- 28) Hajduk IA, **Strollo PJ**, Jasani RR, Atwood CW, Houck PR, Sanders MH. Prevalence and predictors of nocturia in obstructive sleep apnea-hypopnea syndrome – a retrospective study. *Sleep* 2003 26:61-64
- 29) Jasani R., Sanders M., Nemoto E., Hajduk IA., Atwood CW Jr., **Strollo PJ** Cerebral oxygenation during chronic obstructive pulmonary disease. *Advances in Experimental Medicine & Biology*. 2003 510:361-4.
- 30) Collop, NA, Shepard JW Jr., **Strollo, PJ** Executive Summary on the Systematic Review and Practice Parameters for Portable Monitoring in the Investigation of Suspected Sleep Apnea in Adults. *Am J Respir Crit Care Med* 2004 169:1160-1163

- 31) Nigri DH, Addor G, De Barros Franco CA, Martins RC, Vila Forte Gomes MP, **Strollo PJ**. Alcohol Induced Apnea. *J Clin Sleep Med* 2005 1:424-426
- 32) Ballard RD, Gay PC, **Strollo PJ**. Interventions to Improve Compliance in Sleep Apnea Patients Previously Non-Compliant with Continuous Positive Airway Pressure. *J Clin Sleep Med* (in press)
- 33) Wu W, Dave NB, **Strollo PJ**, Kovkarova-Naumovski E, Ryter SW, Reeves S, Dayyatt E, Wang Y, Choi AMK, Gozal D, Kaminski N. Network Analysis of Temporal Effects of Intermittent- and Sustained Hypoxia on Rat Lungs. *Am J Resp Crit Care Med* (submitted).

2. **Reviews, Invited Published Papers, Proceedings of Conferences and Symposia, Monographs, Books and Book Chapters:**

- 1) **Strollo P**. Hemoptysis . In: Civetta, Taylor and Kirby, eds. *Critical Care*, 2nd Ed. Philadelphia: J. B. Lippincott,1992.
- 2) **Strollo PJ**, Sanders MH. Controversy in sleep medicine: Significance and treatment of non-apneic snoring. *Sleep* 1993; 16:403-408.
- 3) Stiller RA, **Strollo PJ**, Sanders MH. Unattended recording in the diagnosis and treatment of sleep-disordered breathing. Unproven accuracy, untested assumptions and unready for routine use. *Chest* 1994;105:1306-1309
- 4) Sanders MH, Stiller RA, **Strollo PJ**. Positive pressure ventilation without tracheal intubation. In Shoemaker WC, Ayres SM, Grenvik AKA, Holbrook PR, eds. *Textbook of critical care*, Section VII: Chapter 36. Philadelphia: WB Saunders Company, 1995
- 5) **Strollo PJ**, Sanders MH, Stiller RA. Continuous and bi-level positive airway pressure therapy in sleep disordered breathing. *Oral and Maxillofacial Surgery Clinics of North America* 1995; 7:221-230
- 6) Stiller RA, Sanders MH, Kern NB, Constantino JP, **Strollo PJ**, Studnicki KA, Coates JA, Richards TJ. Noninvasive monitoring of pCO₂ during sleep. In: Robert D, Make BJ, Leger P, Goldberg AI, Paulus, J, Willeg T, eds. *Home Mechanical Ventilation*, Arnette Blackwell, Paris 1995
- 7) Sleep Apnea: Is Your Patient At Risk? 1995 NIH Pub No. 95-3803
- 8) **Strollo PJ**. Flexible Bronchoscopy (Book Review) *Journal of Bronchology* 1996; 3:81
- 9) **Strollo PJ**, Sanders MH. Sleep-Related Upper Airway Obstruction. In: Conn RB, Borer WZ, Synder JW eds. *Current Diagnosis* 9, 1997; WB Saunders Company, Philadelphia

- 10) Fernandes K, **Strollo PJ**. The Diagnosis and Treatment of Obstructive Sleep Apnea Cortlandt Forum 1997; 10:245-250
- 11) **Strollo PJ**. Practical Aspects of CPAP Therapy For Sleep Apnea. UpToDate® In Pulmonary & Critical Care Medicine Program of the American Thoracic Society.
- 12) **Strollo PJ**, Sanders, MH, Costantino JP, Walsh SK, Stiller, RA, Atwood, CW. Split Night Studies for the Diagnosis and Treatment of Sleep-Disordered Breathing Sleep Apnea. Sleep 1996; 19:s255-s259
- 13) Atwood CW, Sanders MH, **Strollo PJ**. Palatal and Non-palatal Surgery for Sleep Apnea Hypopnea Syndrome Clinical Pulmonary Medicine 1997; 4:205-212
- 14) **Strollo PJ**. Sleep Disorders in Primary Care. In: Poceta JS, Mitler MM eds. Sleep Disorders: Diagnosis and Treatment Humana Press, Totowa, NJ 1998
- 15) **Strollo PJ**, Fernandes KS. Sleep Apnea. In: Scanlon C, Wilkens B, Stoller JK eds. Egan's Fundamentals of Respiratory Care VII th edition Mosby, St. Louis 1999
- 16) **Strollo PJ**, Sanders MH (Editors) Sleep Disorders. Clinics in Chest Medicine March 1998 19:1 W.B. Saunders Philadelphia, PA
- 17) **Strollo PJ**, Sanders MH, Atwood CW. Positive Pressure Therapy. Clinics in Chest Medicine 1998 19:55-68
- 18) Stoller JK, Strohl KP, **Strollo PJ**. Forward- Susceptibility, Strategies of Care, and Schooling in Sleep-Disordered Breathing: The 1997 Respiratory Care Journal Conference. Respiratory Care 1998 43:264
- 19) **Strollo PJ**. Sleep-Disordered Breathing: A Summary of the Conference. Respiratory Care 1998 43:421-427
- 20) Sanders MH, **Strollo PJ**. Positive Airway Pressure in the Treatment of Sleep-Related Breathing Disorders. Seminars in Respiratory and Critical Care Medicine. 1998 19:147-156
- 21) Sanders MH, **Strollo PJ**, Stiller RA. Positive Airway Pressure in the Treatment of Sleep Related Breathing Disorders. In: Chokroverty S, ed. Sleep Disorders Medicine 2nd Edition. Stoneham, MA: Buterworth 1999.
- 22) Atwood CW, **Strollo PJ**. Obstructive Sleep Apnea. In: Comprehensive Respiratory Medicine Spiro SG and Jett JR Eds. Mosby International London, UK 1999
- 23) Atwood CW, **Strollo PJ**. Central Sleep Apnea and Other Forms of Sleep Disordered Breathing. In: Comprehensive Respiratory Medicine Spiro SG and Jett JR Eds. Mosby International London, UK 1999

- 24) Henderson JH, **Strollo PJ**. Medical Management of Obstructive Sleep Apnea. In: Progress in Cardiovascular Diseases. Lesch M Ed. WB Saunders, Philadelphia, PA 1999 41:377-386
- 25) Sanders MH, **Strollo PJ**, Atwood CW, Braun T, Johnson JT. Why the upper airway is not like a gallbladder. Chest 1999 116:1503-1505
- 26) Hajduk IA, Jasani RR, **Strollo PJ**, Atwood CW, Sanders MH. Nocturia in Sleep Disordered Breathing. Sleep Medicine 2000 1:263-71
- 27) **Strollo PJ**. Daytime Sleepiness with Fatigue. In: Critical Diagnostic Thinking for Respiratory Clinicians: A Case-based Approach. Stoller JK Ed. WB Saunders, Philadelphia, PA 2002
- 28) Mysliwiec V, Henderson JH, **Strollo PJ**. Epidemiology, Consequences, and Evaluation of Excessive Daytime Sleepiness. In: Sleep Medicine Lee-Chiong TL, Sateia MJ, Carskadon MA Eds. Hanley and Belfus, Inc. Philadelphia, PA 2002
- 29) Dobbin KR, **Strollo PJ**. Obstructive Sleep Apnea: Recognition and Management Considerations for the Aged Patient. AACN Clinical Issues 13:103-113 2002
- 30) Jasani RR, Sanders MH, **Strollo PJ**. Diagnostic studies for sleep apnea/hypopnea In: Management of Obstructive Sleep Apnea Johnson JT, Gluckman JL, Sanders MH Eds. Martin Dunitz Florence, KY 2002
- 31) Kilkenny LA, Fernandes KS, **Strollo PJ**. Sleep Apnea. In: Scanlon C, Wilkens B, Stoller JK eds. Egan's Fundamentals of Respiratory Care VIII th edition Mosby, St. Louis 2003
- 32) **Strollo PJ**. Indications for Treatment of Obstructive Sleep Apnea in Adults Clinics in Chest Medicine 2003 24:307-313 W.B. Saunders Philadelphia, PA
- 33) **Strollo PJ**, Atwood CW Central Sleep Apnea and Other Forms of Sleep Disordered Breathing. in Clinical Respiratory Medicine 2nd Edition Albert RK, Spiro, SG, and Jett JR (eds) Mosby Philadelphia, PA 2004
- 34) Atwood CW, **Strollo PJ** Obstructive Sleep Apnea. in Clinical Respiratory Medicine 2nd Edition Albert RK, Spiro, SG, and Jett JR (eds) Mosby Philadelphia, PA 2004
- 35) **Strollo PJ**, Atwood CW, Sanders MH. Medical therapy for Obstructive Sleep Apnea/Hypopnea Syndrome In: Principles and Practice of Sleep Medicine, 4th Edition, Kryger M Ed. WB Saunders Philadelphia, PA 2005
- 36) Nigri DH, Addor G, De Barros Franco CA, Martins RC, Vila Forte Gomes MP, **Strollo PJ**. Alcohol Induced Apnea. J Clin Sleep Med 2005 1:424-426
- 37) **Strollo, PJ**, Davé, NB. Sleep Apnea in Advances in Psychiatry Buysse, D (ed) American Psychiatric Publishing, Inc Arlington, VA 2005

- 38) Davé, NB, **Strollo PJ**. Indications for Treatment of Obstructive Sleep Apnea in Adults. Encyclopedia of Sleep Medicine, Lee-Chiong, T (ed) J Wiley & sons, Inc. Hoboken NJ 2006
- 39) Kilkenny LA, Fernandes KS, **Strollo PJ**. Sleep Apnea. In: Scanlon C, Wilkens B, Stoller JK eds. Egan's Fundamentals of Respiratory Care IX th edition Mosby, St. Louis 2007
- 40) **Strollo PJ**, Atwood CW Central Sleep Apnea and Other Forms of Sleep Disordered Breathing. in Clinical Respiratory Medicine 3rd Edition Albert RK, Spiro, SG, and Jett JR (eds) Mosby Philadelphia, PA 2007
- 41) Hall M, Okun ML, Atwood CW, Buysse DB, **Strollo PJ**. Measurement of Sleep by Polysomnography In: Luecken LJ & Gallo LC eds Handbook of Physiological Research Methods in Health Psychology. Sage Publications, Thousand Oaks, CA 2007

3. **Presentations/Abstracts:**

- 1) Berdine G, Strollo P, Lehr J. Density dependence of trace gas washout during High frequency jet ventilation. Federation of American Societies for Experimental Biology (FASEB), Washington, DC, 1987 (Abstract-Slide Presentation).
- 2) Strollo P, Berdine G. Effect of mechanical load on high frequency jet ventilation. Federation of American Societies for Experimental Biology (FASEB), Washington, DC, 1987 (Abstract- Slide Presentation).
- 3) Berdine G, Lehr J, Strollo P. Direct alveolar convection and Taylor-type dispersion during High frequency jet ventilation. American Thoracic Society, 1987 (Abstract-Slide Session).
- 4) Strollo P, Berdine G, Lehr J. The relationship between jet driving pressure and tidal volume during high frequency jet ventilation. American Thoracic Society, 1987 (Abstract-Poster).
- 5) Strollo P, Berdine G. Effect of resistance and compliance on delivered volume in an in vitro model of high frequency jet ventilation. American Physiological Society Fall Meeting, 1987 (Abstract-Poster Session).
- 6) Patefield A, Strollo P, Donovan D, et al. The utility of parotid gland biopsy in sarcoidosis. American College of Chest Physicians, 1989, Boston, MA (Abstract-Poster).

- 7) Strollo PJ, Campos E, Schenk DA. Sleep disordered breathing in the young adult: A clinical and cephalometric correlation. American Thoracic Society, 1990, Boston, MA (Abstract-Poster).
- 8) Komadina KH, Carlson TA, Strollo PJ, Navratil DL. An electrophysiologic study of the effects of aminophylline and metaproterenol on canine myocardium. American Thoracic Society, 1990, Boston, MA (Abstract-Poster).
- 9) Strollo PJ, Ence K, Campos E, Schenk DA. Lingual tonsillar hypertrophy: A reversible cause of obstructive sleep apnea in a young adult. Association of Professional Sleep Societies, Minneapolis, MN, 1990 (Abstract-Poster).
- 10) Priest D, Strollo P, Derman S. The effects of tilt table induced upper body fluid shifts on the physiology of sleep. Association of Professional Sleep Societies, Minneapolis, MN, 1990 (Abstract-Poster).
- 11) Tomski S, Strollo P, Brantley S. The diagnosis of acute proximal deep venous thrombosis using a microprocessor driven impedance plethysmograph. American College of Chest Physicians, 1990, Toronto, Canada (Abstract-Slide Session).
- 12) Strollo P, Campos E, Schenk D. Predicting the success of uvulopalatopharyngoplasty in sleep disordered breathing - Is it an art or a science? American Thoracic Society, Anaheim, CA, 1991 (Abstract-Poster).
- 13) Schenk D, Derdak S, Komadina K, Pickard J, Strollo P, et al. Comparison of the Wang 18/19 gauge histology needle and 22 gauge cytology needle in the staging of bronchogenic carcinoma. American Thoracic Society, Anaheim, CA, 1991 (Abstract-Poster).
- 14) Patefield A, Strollo P, Brannon R, et al. The prospective comparison of salivary gland biopsies with transbronchial lung biopsy in sarcoidosis. American Thoracic Society, Anaheim, CA, 1991 (Abstract-Poster).
- 15) Jenkins M, Strollo P, Campos E, Schenk D. A comparison of polysomnography to a computer based inductive plethysmography system in patients with sleep disordered breathing. Association of Professional Sleep Societies, 1991, Toronto, Canada (Abstract-Poster/Slides).
- 16) Chambers SL, Wailand F, Vanderstreek P, Strollo P, Sterling J, Pickard J, Schenk D. Bone scanning as a marker for percutaneous needle aspiration in the diagnosis of metastatic cancer. American Thoracic Society, Miami, FL, 1992 (Abstract-Poster).
- 17) Strollo PJ, Brassard J, Campos E, Schenk DA. Flow Dependence of Oxygen Delivery with CPAP: An in vitro investigation. Association of Professional Sleep Societies, 1992, Phoenix, AZ (Abstract-Poster).
- 18) Epstein LJ, Strollo PJ, Westbrook PR. Severe obstructive sleep apnea in HIV infected men: A case series. Am Rev Respir Dis 1993; 147:A234.

- 19) Sterling JL, Strollo PJ. Arousal index as a predictor of excessive daytime somnolence in non-apneic snorers. *Am Rev Respir Dis* 1993; 147:A685.
- 20) French J, Hughes R, Whitmore J, Neville K, Strollo P, Reiter RJ. Diurnal melatonin induced effects on oral temperature and subjective fatigue. Association of Professional Sleep societies, 1993 (Abstract-Poster)
- 21) Strollo PJ, Epstein LJ, Derman S. Reversal of sleep disordered breathing with a continuous estrogen/progesterone regimen. Association of Professional Sleep Societies, Los Angeles, CA, 1993 (Abstract-Poster)
- 22) Loube DI, Peacock MD, Blanton HM, Morales ML, Epstein LJ, Strollo PJ. A Comparison of self-reported sleepiness and snoring in pregnant and non-pregnant women. *Am J Respir Crit Care* 1994; 149:A55 (abstract-poster)
- 23) Loube DI, Epstein LJ, Davenport WL, Strollo PJ. Assessment of the variability in cephalometric roentgenogram measurements during quiet tidal breathing in normals and obstructive sleep apnea patients. *Am J Respir Crit Care* 1994; 149:A55 (abstract-poster)
- 24) Morales CF, Patefield AJ, Strollo PJ, Schenk DA. The use of flexible transbronchial needle aspiration in the diagnosis of sarcoidosis. *Am J Respir Crit Care* 1994; 149:A609 (abstract-poster)
- 25) Atwood CW, Strollo PJ, Sanders MH, Stiller RA, Martin TJ, Walsh SK. Arousal producing leg movements in sleep disordered breathing pre and post treatment with positive airway pressure. Association of Professional Sleep Societies, Boston, MA 1994 (abstract-poster)
- 26) Atwood CW, Strollo PJ, Epstein LJ, Campos E. Sleep disordered breathing in the young adult: Analysis of an active duty U.S. military cohort. *Chest* 1994; 106:149S (abstract-poster)
- 27) Strollo PJ, Sanders MH, Walsh SK, Stiller RA, Atwood CW, Martin TJ. Predicting the positive pressure prescription in sleep apnea/hypopnea. *Am J Respir Crit Care* 1995; 151:A155 (abstract-poster)
- 28) Stiller RA, Sanders MH, Walsh S, Strollo P. Compliance with noninvasive positive pressure ventilation by patients with neuromuscular respiratory failure. *Am J Respir Crit Care* 1995; 151:A535
- 29) Strollo PJ, Sanders MH, Costantino JP, Walsh SK, Siller RA, Atwood CW. Split night polysomnography (PSG) does not affect compliance with positive pressure via a mask in the treatment of patients with sleep-disordered breathing. Fourth International Symposium for Sleep & Breathing. Charlottesville, VA March 1996.
- 30) Johns FR, Strollo PJ, Buckley MJ, Costantino J. The Relationship of Craniofacial Structure to Obstructive Sleep Apnea and Non-Apneic Snoring in Non-Obese Subjects.

Annual Meeting, American Association of Oral and Maxillofacial Surgeons Miami, FL
18-22 September 1996

- 31) Strollo PJ, Sanders MH, Walsh SK, Fernandes KS, Atwood CW. Compliance with CPAP for Sleep Apnea at Varying Pressures Am J Respir Crit Care 1997; 155:A305 (abstract-poster)
- 32) Fernandes KS, Sanders MH, Walsh SK, Strollo PJ, Atwood CW. Compliance with Noninvasive Positive Pressure Ventilation (NIPPV) in Neuromuscular Disease (NMD) Patients: Comparison with Moderate and Severe Obstructive Sleep Apnea (OSA). Am J Respir Crit Care 1997; 155:A305 (abstract-poster)
- 33) Strollo PJ, Szumstein S, Atwood CW, Johnson JJ, Braun TW, Sanders MH. Upper airway reconstruction for obstructive sleep apnea. Am J Respir Crit Care 1999; 159: (abstract- poster)
- 34) Szumstein S, Atwood CW, Strollo PJ, Sanders MH. Is bi-level positive airway pressure an effective salvage therapy for obstructive sleep apnea patients who fail CPAP therapy? Am J Respir Crit Care 1999; 159: (abstract-poster)
- 35) Jasani RR, Sanders MH, Costantino J, Atwood CW, Hajduk I, Strollo PJ. Use of post CPAP questionnaire to predict adherence to therapy in sleep apnea. Am J Respir Crit Care 2000; 161:A359 (abstract-poster)
- 36) Hajduk IA, Strollo PJ, Jasani RR, Atwood CW, Sanders MH. Predictors of nocturia in obstructive sleep apnea syndrome Am J Respir Crit Care 2000; 161:A683 (abstract-poster)
- 37) Szumstein S, Atwood, CW, Strollo PJ, Sanders MH. Does obstructive airway disease (OAD) affect adherence with bilevel positive airway pressure (BPAP) in obstructive sleep apnea patients? Am J Respir Crit Care Med 2000; 161:A361 (abstract-poster)
- 38) Rogers, S, Strollo, P, Atwood, C, Sanders, M, Tate, J. Patients' satisfaction with nurse practitioner follow-up in a pulmonary sleep disorders clinic. Sleep 2000 (23), A391 (abstract-poster)
- 39) Hajduk IA, Strollo PJ, Jasani RR, Atwood CW, Ellenberger B, Rogers S, Houck P. Prevalence and Predictors of pathologic nocturia in Obstructive Sleep Apnea Syndrome (OSAS). Am J Respir Crit Care Med 2001; 163:A935 (abstract-poster)
- 40) Jasani RR, Sanders MH, Atwood CW, Arena VC, Strollo PJ, Studnicki K, Walsh S, Tereszkievicz J, Gunter J. Use of a 4-channel cardiopulmonary monitor for the diagnosis of sleep apnea / hypopnea in COPD. Am J Respir Crit Care Med 2001; 163:A385 (abstract-poster)
- 41) Jasani RR, Sanders MH, Nemoto EM, Hajduk IA, Atwood CW, Strollo PJ. Cerebral oxygenation during sleep in chronic obstructive pulmonary disease. Sleep 2001 (23) A288 (abstract-poster)

- 42) Kilkenny LA, Kunter E, Strollo PJ, Atwood CW, Sanders MH. Adherence to positive pressure therapy in patients with obstructive sleep disordered breathing treated with an oral-nasal mask as salvage therapy. *Sleep* 2001 (23) A296 (abstract-poster)

- 43) Kilkenny LA, MacGowan GA, Mathier MA, McNamara DM, Murali S, Tokarczyk T, Sanders MH, Strollo PJ. Clinical and Physiologic Parameters during Wakefulness and Sleep in Chronic Heart Failure. *Am J Respir Crit Care Med* 2002; 165:A514 (abstract-poster)

- 44) Kilkenny LA, Givelber R, Atwood CW, Sanders MH, Strollo PJ. Prevalence of Dyspnea in Patients Being Assessed for Sleep Disordered Breathing *Sleep* 2002 (25) A228 (abstract-poster)

- 45) LA Kilkenny, S Murali, GA MacGowan, MA Mathier, DM McNamara, T Tokarczyk, R Givelber, PJ Strollo. Metabolic and hemodynamic parameters do not predict sleep disordered breathing in severe stable heart failure *JACC* 2003 XXX (abstract-poster)

- 46) Kilkenny LA , Gozal D, Dolinay T, Choi AMK, Strollo PJ. Upregulation of Heme Oxygenase (HO-1) and Nitric Oxide Synthase (iNOS) and Induction of Hypoxia Inducible Factor (HIF-1) in Chronic Versus Intermittent Hypoxemia *Am J Respir Crit Care Med* 2003; 167:A174 (abstract-poster)

- 47) Ballard RA, Gay PC, Strollo PJ, Qureshi A. Interventions to Improve CPAP Compliance in Non-adherent Obstructive Sleep Apnea Patients *Sleep* 2004 (27) A226 (abstract-poster)

- 48) Sun CK, Strollo PJ, Mathier M, Swartz AR, O'Donnell CP. The impact of myocardial infarction on respiration in sleep/wake states *Am J Respir Crit Care Med* 2005; 171:A879 (abstract-poster)

- 49) Davé NB, Kaminski, N, Gozal, D, Choi, AMK, Strollo PJ. Gene Expression Analysis Suggests a Neuromodulatory Role for Lung Parenchyma in Intermittent Hypoxia. *Am J Respir Crit Care Med* 2005; 171:A62 (abstract-poster discussion)

- 50) Gay PC, Ballard RD, Strollo PJ. Randomized Multi-Center Trial to Improve Compliance in Non-Adherent OSA patients using CPAP vs. Novel Bi-Level Positive Airway Pressure (NBPAP) *Sleep* 2005 28:A0625 (abstract- slide presentation)

- 51) Strollo PJ, Kip K, Drumheller O, Edmundowicz D, Matthews K, Reis S, and the HeartSCORE Investigators. The Atherogenic Lipoprotein Phenotype and Sleep Apnea. *Proceedings of the American Thoracic Society* 2006; 3:A733 (abstract-slide session)

- 52) Dave NB, Choi AMK, Kaminski N, Strollo PJ Positive pressure therapy does not reliably down regulate the inflammatory response in obstructive sleep apnea. *Proceedings of the American Thoracic Society* 2006; 3:A197 (abstract-poster)

- 53) Strollo PJ, Drumheller O, Rogers S, Atwood CW, Givelber R. Treatment of Obstructive Sleep Apnea with an Automatically Adjusted Bilevel Positive Airway Pressure Device: A Preliminary Evaluation Proceedings of the American Thoracic Society 2006; 3:A871 (abstract-poster discussion)
- 54) Atwood CW, Sanders MH, Rogers S, Givelber RJ, Strollo PJ, Schauer P. Effect of Gender on Sleep Apnea in Morbidly Obese Patients Proceedings of the American Thoracic Society 2006; 3:A702 (abstract- poster)
- 55) Kochupura P, Sun C.-K., McGaffin K.R., Romano L.C., Rager J., Mathier M.A., Strollo P.J., O'Donnell C.P. Sleep Architecture Is Unchanged in C57BL/6J Mice with Compensated Heart Failure. Proceedings of the American Thoracic Society 2006; 3:A515 (abstract- poster discussion)
- 56) Strollo PJ, Drumheller O, Rogers S, Peterson J, Givelber R, Atwood CW. A Preliminary Assessment of Automatically Titrated Bilevel Positive Airway Pressure: Is There a Ventilatory Effect? Sleep 2006 29:A209 (poster)
- 57) Shalaby A, Hartley J, Atwood C, Strollo P, Kwok J, Lee K, Stahmann J, Pu Y. Complex Sleep Disordered Breathing and Atrial Overdrive Pacing. Sleep 2006 29:A101 (poster)
- 58) Wu W, Dave NB, Strollo PJ, Choi AM, Row BW, Gozal D, Kaminski N. LRSA Analysis of Temporal Effects of Hypoxia on Gene Expression Patterns in Rat Lung. Proceedings of the American Thoracic Society 2007; 4:A387 (abstract- poster)
- 59) Kochupura PV, Yokoe T, Romano L, McGaffin KR, Mathier MA, Strollo PJ, O'Donnell CP. Myocardial Infarction Alters Sleep Architecture in C57BL/6J Mice. Proceedings of the American Thoracic Society 2007; 4:A359 (abstract- poster)
- 60) Passero M, Gupta N, Atwood C, Givelber R, Drumheller O, Peterson, J, Rogers S, Strollo P. Evaluation of a Single Channel Portable Monitor for the Diagnosis of Obstructive Sleep Apnea: An Interim Analysis. Sleep 2007 30:A202 (abstract-slide presentation).

TEACHING

2006- present	Advanced Physical Examination Course (MS I /MS II)
1993 - present	Pulmonary Pathophysiology Course to second year medical student class
1993 - present	Attending and teaching rounds, UPMC Medical Intensive Care Units
1993 - present	Attending and teaching rounds, UPMC Pulmonary Consult and In-Patient Service

1993 - present	Attending and teaching rounds, VA Medical Center (Oakland) Medical Intensive Care Unit
1993 - present	Attending and teaching rounds, VA Medical Center (Oakland) Pulmonary Consult Service
1993 - present	Daily Polysomnography Review, Sleep Medicine Center
1993 - present	Preceptor, Outpatient Clinic Sleep Medicine Center
1993 - present	Fellows Sleep Disorders Management Conference
1993 -1995	Pulmonary Radiology Case Conference

RESEARCH:

1. Grants Received:

Grant Title	Role in Project & % effort		Years Inclusive	Source
HeartSCORE	Co-Investigator 0%	\$1,008,335	2004-2008	PA DOH
Stress, Sleep and Emerging Risk Factors RO-1	Co-PI 10%	\$450,631	2004-2008	NIH
Pittsburgh Mind Body Center Sleep Research Core R24	Co-PI 5%	\$82,946	2005-2008	NIH
Sleep Apnea Links Obesity to Cardiovascular Dysfunction	Co-Investigator 10%	\$296,166	2006-2009	NIH
Validation of a Single Channel Screening device for Sleep Apnea	PI 5%	\$75,000	2006-2007	ResMed
Prevalence of Cardiovascular Disease Risk Factors Among Professional (NFL) Football Players (Phase III)	Consultant	\$10,000	1/2007-12/2007	NFL
Renin Angiotensin System Inhibitor Pharmacogenetics in Obstructive Sleep Apnea	Co-Investigator Co-Mentor 5%	\$20,000	2006-2007	GCRC
Translational Research Training Curriculum Vitae 10/01/07	Co-Director	\$145,410	2007-2010	NIH

in Sleep Medicine	10%			
CTSA	Co-Investigator 5%	\$54,937,683	2006-2011	NIH
Prevalence of Sleep Apnea in a Community Sample at Risk for Cardiovascular Disease	PI 1%	\$159,540	2004-2006	ResMed

Lightweight Ambient Pressure/ Temperature O2 Concentrator (LAPTOC) Phase II	Consultant	\$30,000	2007-2008	NIH
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2. Grants Pending

Impact of Resynchronization Therapy on Sleep Disordered Breathing in Patients with Symptomatic Advanced Congestive Heart Failure	Co-Investigator 5%	\$571,892	2006-2008	Guidant
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3. Grants Completed:

Effect of Atrovent® on sleep And breathing in COPD	Co-Investigator 10%	\$77,000	1994-1995	Boehringer- Ingelheim
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"The Ability of Bilevel Therapy with Biflex™ to Rescue Patients Fail CPAP"	PI 1%	\$130,000	2002-2004	Respironics
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Validation of Feasibility of an Auto-Adjusting Bi-Level PAP Device for the Treatment of Obstructive Sleep Apnea	PI 1%	\$160,174	2004-2006	Respironics
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Lightweight Ambient Pressure/ Temperature O2 Concentrator STTR Phase I	Consultant	\$127,564	2005-2006	NIH
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Prevalence of Cardiovascular Disease Risk Factors Among Professional (NFL) Football Players (Phase II & II)	Consultant		2005-2006	NFL
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4. Other

The Coleman II project	Co-Investigator		1998	ASDA
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SEMINARS AND INVITED LECTURESHIPS:

1993

- 1) Chairman, Original Investigations - Obstructive Sleep Apnea Syndrome, Association of Professional Sleep Societies, Los Angeles, CA, 1993
- 2) Co-Chair, Poster Symposium - Sleep Apnea Therapy, American College of Chest Physicians, Orlando, FL, 1993
- 3) "Sleep Apnea: A Review" Medical Grand Rounds, The Medical Center, Beaver, PA 20 Aug. 1993

1994

- 1) "Transbronchoscopic Needle Aspiration Workshop" University of Pittsburgh Medical Center, 2 February 1994
- 2) "Sleep-Disordered Breathing in a Young, Active Duty Air Force Population" Society of Air Force Physicians, San Antonio, Texas, 28 February 1994
- 3) "Sleep Disordered Breathing: Diagnosis and Treatment" University of Pittsburgh Update in Internal Medicine Pittsburgh, PA, 4 March 1994
- 4) "What To Do When CPAP Fails" Difficult Issues in Chest Medicine St. Johns Hospital Steubenville, OH 16 April 1994
- 5) "Diagnosis and Treatment of Sleep Disordered Breathing" Oral Surgery Grand Rounds University of Pittsburgh (two part lecture series) May 1994
- 6) "Update in Positive Airway Pressure Therapy for Sleep Disordered Breathing" Postgraduate Course in Advanced Topics in Sleep Disorders Medicine Annual Meeting of the American Psychiatric Association Philadelphia, PA 25 May 1994
- 7) "Non-Invasive Ventilation for Acute Respiratory Failure" California Society for Respiratory Care Palm Springs, CA 23 June 1994
- 8) "Sleep Studies: Science, Art, or Both" California Society for Respiratory Care Palm Springs, CA 23 June 1994
- 9) Chairman, Oral communication session "Sleep and Breathing" Association of Professional Sleep Societies Annual Meeting Boston, MA 7 June 1994
- 10) "Sleep Apnea: Is portable monitoring worthwhile?" Difficult issues in Chest Medicine: Cost Containment vs. High Technology Pittsburgh, PA 15 October 1994
- 11) Co-Chairman, "Nasal CPAP as Treatment for Obstructive Sleep Apnea" American College of Chest Physicians Annual Meeting, New Orleans, LA 31 October 1994

1995

- 1) NIH Working Group on Sleep Apnea, Member, Bethesda, MD, 6 March 1995
- 2) "Disorders of Sleep" MG Paul H. Streit Memorial Otolaryngology Seminar, Bethesda, MD 17 March 1995
- 3) "Diagnostic Modalities: Obstructive Sleep Apnea" MG Paul H. Streit Memorial Otolaryngology Seminar, Bethesda, MD 17 March 1995
- 4) "Non-Surgical Management of Obstructive Sleep Apnea" MG Paul H. Streit Memorial Otolaryngology Seminar, Bethesda, MD 17 March 1995
- 5) "New Insights Into the Diagnosis and Treatment of Sleep Disordered Breathing" Keynote Address: Wisconsin Thoracic Society Madison, WI 1 April 1995
- 6) "Overview of Sleep Disordered Breathing and Diagnostic Strategies" New Directions in the Diagnosis and Treatment of Snoring and Sleep Apnea. Pittsburgh, PA 26 April 1995
- 7) Co-Chairman, "Upper Airway Imaging" American Thoracic Society Annual Meeting Seattle, WA 22 May 1995
- 8) "Training Fellows in Sleep Disorders in a Pulmonary Fellowship Program" Sunrise Seminar American Thoracic Society Annual Meeting Seattle, WA 24 May 1995
- 9) Chairman, Oral Communication Session, "Pathophysiology of Sleep Disordered Breathing" Association of Professional Sleep Societies Annual Meeting Nashville, TN 3 June 1995
- 10) "Dealing with the difficult CPAP patient" Meet the Professor, Association of Professional Sleep Societies Annual Meeting Nashville, TN 3 June 1995
- 11) "New Insights into the Diagnosis and Treatment of Clinical Sleep Apnea" Medical Grand Rounds, Mercy Hospital Pittsburgh, PA 31 August 1995
- 12) "Dealing with the Difficult CPAP Patient" Norfolk, VA September 5 1995
- 13) "Obstructive Sleep Apnea: Diagnosis and Management" Medical Grand Rounds Eastern Virginia Medical School September 6 1995, Norfolk, VA
- 14) "CPAP Compliance in OSA" Greater Pittsburgh Sleep Professionals 3rd Annual Conference Pittsburgh, PA, September 7 1995,
- 15) "Nasal CPAP Compliance" Michigan Sleep Disorders Association Annual Meeting, Traverse City, MI, October 21 1995
- 16) "Application of Positive Pressure Via a Mask in the Laboratory" ACCP Postgraduate Course, ACCP Annual Meeting, New York City, NY, 29 October 1995

- 17) "Role of Split Night Studies", Interactive Symposium, ACCP Annual Meeting, New York City, NY, 30 October 1995

1996

- 1) "New Developments in the Diagnosis and Treatment of Sleep Apnea" Medical Grand Rounds Wright Patterson USAF Medical Center, OH 12 January 1996
- 2) "Sleep Apnea: Diagnosis and Treatment" Medical Grand Rounds University of Pittsburgh Medical Center, April 1996
- 3) "Sleep Disordered Breathing" Medical Grand Rounds Gunderson Clinic, La Crosse WI 29 April 1996
- 4) "New Developments In The Positive Pressure Therapy For Sleep Apnea": Chair, Minisymposium, International Conference of the American Thoracic Society, New Orleans, LA 1996
- 5) "Upper Airway Imaging: From Eyeball To Pixel" Postgraduate Course Director, Association of Professional Sleep Societies, Washington, DC June 1996
- 6) "Dealing with the difficult CPAP patient" Meet the Professor, Association of Professional Sleep Societies Annual Meeting Washington, DC June 1996
- 7) "Non-Surgical Management of OSA and Snoring: Modification of Risk Factors and Behavioral Aspects of Care" Scientific Program Annual Meeting American Association of Oral and Maxillofacial Surgeons Miami, FL 20 September 1996
- 8) "Non-Surgical Management of OSA and Snoring: CPAP and BiPAP- Therapeutic Modalities and Compliance" Scientific Program Annual Meeting American Association of Oral and Maxillofacial Surgeons Miami, FL 20 September 1996
- 9) "Role of Bronchoscopy in Sleep Apnea" Annual Scientific Assembly of the American Association for Bronchology San Francisco, CA 27 October 1996
- 10) "Diagnosis of Sleep Disordered Breathing" Postgraduate Course Sleep Medicine for the Chest Physician ACCP Annual Meeting, San Francisco, CA 27 October 1996
- 11) "Sleep Apnea: Who's Got It? / Why Treat It?" UPMC Update in Internal Medicine Sheraton, Station Square Pittsburgh, PA 31 October 1996

1997

- 1) "Auto-CPAP: A Revolution or More Hot Air?" Pulmonary Grand Rounds University of Pittsburgh Medical Center, Pittsburgh, PA 5 February 1997
- 2) "Update on Diagnostic Approaches" Mini-Seminar Series: Update on Sleep Apnea Department of Otolaryngology University of Pittsburgh Medical Center 5 February 1997
- 3) "Auto-titrating CPAP: How Does It Work and For Who?" Combined Pulmonary Grand Rounds Walter Reed Army Medical Center and National Naval Medical Center Washington, DC 12 March 1997

- 4) "Sleep Apnea" Cardiac and Pulmonary Disease Program. University of Pittsburgh, South 14 May 1997
- 5) "Auto-titrating CPAP" Meet the Professor, Association of Professional Sleep Societies Annual Meeting San Francisco, CA June 1997
- 6) "A Review of Sleep Apnea" Multi-Disciplinary Approach to Obstructive Sleep Apnea 11th Annual Madigan Army Medical Center Otolaryngology-Head and Neck Surgery Seminar Tacoma, WA 8 August 1997
- 7) "Diagnostic Testing for Sleep Disordered Breathing" Multi-Disciplinary Approach to Obstructive Sleep Apnea 11th Annual Madigan Army Medical Center Otolaryngology-Head and Neck Surgery Seminar Tacoma, WA 8 August 1997
- 8) "Positive Airway Pressure Therapy" Multi-Disciplinary Approach to Obstructive Sleep Apnea 11th Annual Madigan Army Medical Center Otolaryngology-Head and Neck Surgery Seminar Tacoma, WA 8 August 1997
- 9) "Consequences for Education and Training: Summary and Future Challenges" Vth World Congress on Sleep Apnea Philipps-Universität Marburg, Germany 18 Sept 1997
- 10) "Auto-CPAP, Curse or Cure? Greater Pittsburgh Sleep Professionals Annual Meeting Pittsburgh, PA 2 Oct. 1997
- 11) "Sleep Disordered Breathing" Respiratory Care Journal Conference Conference Co-Chairman Cancun, Mexico 17-19 October 1997
- 12) "Sleep Disorders" University of Pittsburgh Medical Center Internal Medicine Resident Lecture Series Pittsburgh, PA 22 & 23 Oct 1997
- 13) "Sleep Disordered Breathing - Physiologic Implications of Diagnosis and Treatment" American College of Chest Physicians, 27 October 1997 New Orleans, LA
- 14) "What To Do When Traditional CPAP Doesn't Work" Symposium Chair and Featured Speaker American College of Chest Physicians, 28 October 1997 New Orleans, LA

1998

- 1) "Questionnaires and clinical prediction rules for diagnosis- Are they useful?" Postgraduate Course The Diagnosis of Sleep Apnea. Associated Professional Sleep Societies 12th Annual Meeting 18 June 1998 New Orleans, LA
- 2) "Craniofacial Reconstruction: A Sleep Physician's Perspective." Meet the Professor Session Associated Professional Sleep Societies 12th Annual Meeting 20 June 1998 New Orleans, LA
- 3) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 2 August 1998 Leesburg, VA

- 4) "Transbronchoscopic Needle Aspiration Workshop" University of Pittsburgh Medical Center, 11 September 1998
- 5) "Eosinophilic Lung Disease" Medical Grand Rounds, University of Pittsburgh Medical Center 4 December 1998 Pittsburgh, PA

1999

- 1) "Controversies regarding the diagnosis of Obstructive Sleep Apnea" Otolaryngology Mini-Seminar Series: Obstructive Sleep Apnea, University of Pittsburgh Medical Center 14 January 1999 Pittsburgh, PA
- 2) "Sleep Medicine: When, Why, and How to Treat Sleep Disorders." First International Course on Sleep Medicine in Brazil. 6 March 1999 Rio de Janeiro, Brazil
- 3) Co-Chairman, "Treatment of Obstructive Sleep Apnea (Poster-Discussion)" International Conference of the American Thoracic Society, San Diego, CA 25 April 1999
- 4) "Upper airway reconstruction: A sleep physician's perspective" Meet the professor session, Association of Professional Sleep Societies 13th Annual Meeting, Orlando, FL 21 June 1999
- 5) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 10 August 1999 Leesburg, VA
- 6) "Obstructive Sleep Apnea, Evidence for Diagnosis and Treatment". Robert Carabasi Lectureship in Pulmonary Medicine, Scott and White Clinic 1 October 1999 Temple, TX
- 7) Surgical Therapy for Sleep Apnea: Does Airway Imaging Provide "Added Value"? 10th Annual Thoracic/Pulmonary Refresher Workshop, 7 October 1999 Pittsburgh PA
- 8) "Obstructive Sleep Apnea, Evidence for Diagnosis and Treatment". Pulmonary Grand Rounds, University of Pittsburgh Medical Center 15 October 1999 Pittsburgh, PA
- 9) "Update in Obstructive Sleep Apnea." Shadyside Medical Grand Rounds, 14 November 1999 Pittsburgh, PA
- 10) "Sleep Disorders in Internal Medicine (Meet the professor workshop)" Update in Internal Medicine:1999 - Practical approaches to common medical problems. Pittsburgh, PA 19 November 1999.
- 11) "Diagnosis and treatment of sleep disordered breathing / NIPPV treatment" Northwest Medical Center 9 December 1999 Franklin, PA.

2000

- 1) Sleep apnea in adults: "ATS workshop findings" (Symposium) International Conference of the American Thoracic Society, Toronto, Canada 8 May 2000
- 2) "A modest proposal: A look at the evidence for a step-wise approach to therapy" International Conference of the American Thoracic Society, Toronto, Canada 8 May 2000

- 3) "Diagnosis of Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 14 August 2000 Leesburg, VA
- 4) "Classics: Cardiopulmonary Sleep Disorders." National Sleep Medicine Course 14 August 2000 Leesburg, VA
- 5) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 15 August 2000 Leesburg, VA
- 6) ACCP / NAMDRRC Workshop: Diagnostic Sleep Monitoring in the Home (Symposium, Chairman) 17-18 September 2000 Soffer Center, Northbrook IL
- 7) "Treatment Options for Obstructive Sleep Apnea: Pressure Therapy" Chest 2000 23 October 2000 San Francisco, CA
- 8) "Polysomnographic Puzzlers (Interactive Session)" Chest 2000 23 October 2000 San Francisco, CA
- 9) "Sleep Disorders in Internal Medicine (Meet the professor workshop)" Update in Internal Medicine:2000 – Diagnosis and Treatment of Common Sleep Disorders . Pittsburgh, PA 26 October 2000 Sheraton Station Square, Pittsburgh, PA.
- 10) "Obstructive Sleep Disordered Breathing: Diagnostic and Therapeutic Challenges" Medical Grand Rounds 8 Dec 2000 Wilford Hall Medical Center, Lackland AFB, Tx

2001

- 1) "Overview of normal sleep and sleep disordered breathing" AAOMS / AAFPRS 10 February 2001 Tampa, FL
- 2) "Alteration of risk factors and behavior as a treatment modalities" AAOMS / AAFPRS 10 February 2001 Tampa, FL
- 3) "Diagnosis of Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 13 August 2001 Leesburg, VA
- 4) "Classics: Cardiopulmonary Sleep Disorders." National Sleep Medicine Course 13 August 2001 Leesburg, VA
- 5) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 14 August 2001 Leesburg, VA
- 6) "Speed Cases" National Sleep Medicine Course 15 August 2001 Leesburg, VA
- 7) "Integrating Sleep Training into Pulmonary Fellowship" Chest 2001 6 November 2001 Philadelphia, PA

2002

- 1) "Sleep and the Failing Heart: Diagnostic implications and therapeutic interventions" Japanese Respiratory Society 42nd Annual Meeting Sendai, Japan 4-6 April 2002
- 2) "Should the non-sleepy sleep apnea patient be treated?" Japanese Respiratory Society 42nd Annual Meeting Sendai, Japan 4-6 April 2002
- 3) "Sleep and the Failing Heart" Medical Grand Rounds UPMC Northwest Medical Center Franklin, PA 7 May 2002
- 4) "Ambulatory monitoring in adults" 98th International Conference of the American Thoracic Society, Atlanta, GA 18 May 2002
- 5) "Home diagnostic testing for sleep disordered breathing: The evidence and new guidelines (Discussion Group) APSS 16th Annual Meeting Seattle, WA 11 June 2002
- 6) "Bi-level ventilation in neuromuscular disease"(Meet the Professor) APSS 16th Annual Meeting Seattle, WA 11 June 2002
- 7) "Sleep board procedures" National Sleep Medicine Course 10 August 2002 Dallas, TX
- 8) "Diagnosis of Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 12 August 2002 Dallas, TX
- 9) "Classics: Cardiopulmonary Sleep Disorders." National Sleep Medicine Course 12 August 2002 Dallas, TX
- 10) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 13 August 2002 Dallas, TX
- 11) "Sleep and the Failing Heart" Pulmonary Grand Rounds University of Pittsburgh Medical Center 20 December 2002

2003

- 1) "The Impact of Sleep Apnea on Anesthesia Care" Anesthesia Grand Rounds University of Pittsburgh Medical Center 27 March 2003
- 2) "Central Sleep Apnea: New Insights into Mechanisms and Management" (Meet the Professor) International conference of the American Thoracic Society 18 May 2003 Seattle, WA
- 3) "Clinical Year in Review – Sleep" International conference of the American Thoracic Society 20 May 2003 Seattle, WA
- 4) "SDB in Adults: Update in Dx Techniques and Clinical Decision Making: Putting it all together" Association of Professional Sleep Societies 3 Jun 2003 Chicago, IL

- 5) "Classics: Cardiopulmonary Sleep Disorders." National Sleep Medicine Course 11 August 2003 Chicago, IL
- 6) "Positive Pressure Therapy for Obstructive Sleep Disordered Breathing." National Sleep Medicine Course 12 August 2003 Chicago, IL
- 7) "Sleep and the Heart." National Sleep Medicine Course 12 August 2003 Chicago, IL
- 8) "Heart Failure and Sleep Disordered Breathing" Medical Grand Rounds Lutheran General Hospital Park Ridge Illinois, 1 October 2003
- 9) "Sleep Apnea in Heart Failure" Second Annual Pittsburgh Symposium on Heart Failure 18 October 2003 Pittsburgh, PA
- 10) "Cardiovascular Effects of Sleep Apnea" in Obstructive Sleep Apnea: Medical Complications and Treatment Options (Postgraduate Course) Chest 2003 25 October 2003 Orlando, FL

2004

- 1) "Clinical Outcomes in Sleep Disorders Using Non-PSG Methods" Advanced Sleep Medicine Course 20 February 2004 Denver, CO
- 2) "Genomic and Proteomic Techniques in SDB: Bringing the Bench to the Bedside" (Chairman) International Conference of the American Thoracic Society 25 May 2004, Orlando FL
- 3) "Obstructive Sleep Apnea: State of the Art" Advances in Pulmonary Medicine, 5 Jun 2004 Pittsburgh, PA
- 4) "Sleep and Advanced Heart Failure" National Sleep Medicine Course 24 August 2004, Oak Park, IL

2005

- 1) "Sleep and Heart Failure" Medical Grand Rounds Mercy Hospital 3 Feb 2004 Pittsburgh, PA
- 2) "Ambulatory Approaches to Diagnosis: State of the Evidence" Advanced Sleep Medicine Course 4 February 2005 Miami, FL
- 3) "Sleep and Breathing in Advanced Heart Failure" Medical Grand Rounds University of Puerto Rico 9 March 2005 San Juan, Puerto Rico
- 4) "The Role of adjunctive therapy in divergent Sleep Apnea Phenotypes" Pulmonary Research Group Schering-Plough Research Institute April 15 2005 Kenilworth, NJ

- 5) "New Developments in the Pathogenesis of Sleep Apnea Syndrome" Turkish Thoracic Society 28 April 2005 Kemer-Antalya, Turkey
- 6) "OSAS and Oxidative Stress" Turkish Thoracic Society 29 April 2005 Kemer-Antalya, Turkey
- 7) "Moving toward best practice: Where does the diagnosis and treatment of sleep related pathology fit in the care of heart failure?" (Chairman) International Conference of the American Thoracic Society 22 May 2005, San Diego, CA
- 8) "Ambulatory Monitoring- State of Art" Brazilian Pneumology Congress, 8 June 2005 Rio de Janeiro, Brazil
- 9) "Sleep and Breathing in the Advanced Cardiac Failure" Brazilian Pneumology Congress, 9 June 2005 Rio de Janeiro, Brazil
- 10) "Oxidative stress and SDB" Brazilian Pneumology Congress, 10 June 2005 Rio de Janeiro, Brazil
- 11) "Best Practices in Sleep Medicine 2005: Positive Pressure Therapy" APSS 19th Annual Meeting 18 June 2005, Denver, CO
- 12) "Meet the Professor: Bi-level Ventilation in Neuromuscular Disease" APSS 19th Annual Meeting 18 June 2005, Denver, CO
- 13) "Discussion Group: Strategies to Enhance Physician and Post-Graduate Interest and Training in Sleep Research" 21 June 2005 APSS 19th Annual Meeting 18 June 2005, Denver, CO
- 14) "Sleep Apnea Overview and Treatment" National Sleep Medicine Course 22 August 2005, Oak Park, IL
- 15) "Sleep and The Heart" National Sleep Medicine Course 23 August 2005, Oak Park, IL
- 16) "Common Sleep Disorders and Management" Sixth National Current Strategies for Common Medical Problems: Expert Opinions for Practicing Clinicians 24 September 2005 Monroeville, PA
- 17) "Overview OSA, RLS and Narcolepsy" WPIC PGY3 Sleep Disorders Lecture Series 29 Sept 2005 Pittsburgh PA
- 18) "Year in Review: Non-CPAP Rx for OSA" Chest 2005 29 October 2005, Montreal, CA
- 19) "Portable Testing for OSA" Chest 2005 1 November 2005, Montreal, CA
- 20) "Curriculum Based Learning in Sleep Medicine " Chest 2005 2 November 2005, Montreal, CA

21) "Sleep and Cardiovascular Health in the NFL" NFL Corporate Headquarters 4 November 2005, New York, New York

22) "Obstructive Sleep Apnea" MS II Pathophysiology Course 8 Nov 2005 Pittsburgh, PA

2006

1) "Sleep-Disordered Breathing and Heart Failure - Where Do We Stand?" AASM Advanced Sleep Medicine Course 12 February 2006 La Jolla, CA

2) "OSA & The Heart: The Relationship to Atherosclerotic Risk" Pulmonary Grand Rounds 3 March 2006 Pittsburgh, PA

3) "The Reliability of Split Night PSG in Dx of OSA" Turkish Thoracic Society 20 April 2006 Kemer-Antalya, Turkey

4) "Recent Development in Sleep Related Disorders" Turkish Thoracic Society 20 April 2006 Kemer-Antalya, Turkey

5) "ICSD-2" Turkish Thoracic Society 21 April 2006 Kemer-Antalya, Turkey

6) "Do all OSA patients have to be treated? - Con" Turkish Thoracic Society 21 April 2006 Kemer-Antalya, Turkey

7) "Mini Symposium: The Link between Sleep and Metabolic Disorders - The Atherogenic Lipoprotein Phenotype and Sleep Apnea" (slide presentation) International Conference of the American Thoracic Society 23 May 2006, San Diego, CA

8) "Insomnia in the Cardiopulmonary Patient" (Symposium Chairman) International Conference of the American Thoracic Society 23 May 2006, San Diego, CA

9) "Improving the Management of Sleep Apnea - Treatment of Obstructive Sleep Apnea with an Automatically Adjusted Bi-Level Positive Airway Pressure Device: A Preliminary Evaluation" (Poster Discussion) International Conference of the American Thoracic Society 24 May 2006, San Diego, CA

10) "Obstructive Lung Disease" Post Graduate Course: Pulmonary Medicine for the Sleep Specialist (Speaker) Sleep 2006 18 June 2006 Salt Lake City, UT

11) "Issues Related To Therapy Of Sleep And Breathing Disorders: A Preliminary Assessment of Automatically Titrated Bilevel Positive Airway Pressure: Is There a Ventilatory Effect? (Poster presentation) Sleep 2006 21 June 2006 Salt Lake City, UT

12) "Sleep and Cardiovascular Disease" Pennsylvania Thoracic Society 7 Oct 2006 Pittsburgh, PA.

13) "Complex Sleep Apnea" (slide presentation) Chest Summit 2006 12 Oct 2006 New Delhi, India

14) "Sleep and Cardiovascular Disease - Atherogenic Phenotype" (slide presentation) Chest Summit 2006 13 Oct 2006 New Delhi, India

15) "Portable Monitoring in Disease Management of Sleep Apnea" (slide presentation) Chest Summit 2006 13 Oct 2006 New Delhi, India

16) "Sleep Medicine - Past, Present and a Look towards the future" (slide presentation) Chest Summit 2006 14 Oct 2006 New Delhi, India

17) "Sleep, Sleep Apnea and Advanced Heart Failure" (slide presentation) Chest Summit 2006 15 Oct 2006 New Delhi, India

2007

1) "Apnea Case Discussion" (slide presentation) 2007 Advanced Sleep Medicine Course 9 Feb 2007 San Diego, CA

2) "Assessment of Obstructive Sleep Apnea" (slide presentation) 2007 Advanced Sleep Medicine Course 10 Feb 2007 San Diego, CA

3) "New Technologies & Performance Measures" (slide presentation) 2007 Advanced Sleep Medicine Course 10 Feb 2007 San Diego, CA

4) "Disease Management in Slep Disorders Medicine" (slide presentation) 2007 Dental Sleep Medicine Course 11 Feb 2007 San Diego, CA

5) "Sleep Medicine: Past, Present and a Look Toward the Future" (slide presentation) 5th Palandöken ORL Symposium 23 March 2007 Erzurum, Turkey

6) "What is your choice in the management of Sleep Apnea? Surgery versus Medicine (case discussion) 5th Palandöken ORL Symposium 23 March 2007 Erzurum, Turkey

7) "Portable Monitoring in the Disease Management of Sleep Apnea" (slide presentation) 5th Palandöken ORL Symposium. 23 March 2007 Erzurum, Turkey

8) "OSA and Atherogenic Risk" (slide presentation) 5th Palandöken ORL Symposium. 23 March 2007 Erzurum, Turkey

3. Other Research Related Activities:

Guest Reviewer:

Journal of the American Medical Association
Chest
Archives of Internal Medicine
Sleep
Sleep Medicine
American Journal of Respiratory and /Critical Care Medicine
Journal of Bronchology

European Respiratory Journal
Respiratory Care
American Journal of Rhinology
Mayo Clinic Proceedings

Scientific Committee(s):

Fifth World Congress on Sleep Apnea, Marburg, Germany (17-20 September 1997)

Member, ATS Workshop on Reduced Sleep Studies (May 1998- May 2004)

Sub-committee Chair (Positive pressure therapy), ATS Workshop on Treatment Alternatives for Obstructive Sleep Apnea (Nov 1998- May 2004)

Member, American Thoracic Society Clinical Practice Committee 2000-2001

ACCP / ATS / AASM “Sleep Diagnostics in the Home” Steering Committee Member (ATS representative)

Program Chair, American Thoracic Society Assembly for Respiratory Neurobiology and Sleep 2003

Chair, Nominating Committee, American Thoracic Society Assembly for Respiratory Neurobiology and Sleep 2006

Member, RNS Assembly Executive Committee 2007 – present

Co-Chair Organizing Committee, Chest Summit 2006 New Delhi, India 12-15 Oct 2006

Member, Board of Directors, American Academy of Sleep Medicine (2005-2008)

Member, American Board of Internal Medicine Subspecialty Board on Pulmonary Diseases 2006 – 2008

Member, National Football League Cardiovascular Health Committee (Sleep Medicine consultant) 2005 - present

4. Editorial Board Activity

1992	Society of Critical Care: Multi-disciplinary Critical Care Knowledge Assessment Program	Editorial Panel Member
1992 - 1995	Today in Medicine: Internal Medicine Report	Editorial Board (Respiratory Disease)

1996	Self-Instructional Package On Sleep Apnea	American Academy of Otolaryngology
1996	Slide Series on Sleep Apnea	Educational Program, American Sleep Disorders Association
1997-1998	Yearbook of Pulmonary Medicine	Section Editor (Sleep Disorders & Critical Care)
1997-present	Pediatric Teaching Curriculum Slide Set	American Sleep Disorders Association
1998 March	Clinics in Chest Medicine: Sleep Disorders for the Pulmonologist	Editor

List of Current Research Interests:

- Physician Education in Sleep Medicine
- Sleep Disordered Breathing in Heart Failure
- Sleep and Cardiovascular Health
- Positive Pressure Therapy in Sleep disordered Breathing
- Clinical Diagnosis of Sleep Disordered Breathing
- Laboratory Techniques for Diagnosis of Sleep Disordered Breathing
- Portable Monitoring in Sleep Disordered Breathing
- Sleep Disordered Breathing in the Young Adult
- Upper Airway Imaging with Cephalometrics in Sleep Disordered Breathing

SERVICE:

University and Medical School

Thesis Committee Member, University of Pittsburgh Dental School, Department of Orthodontics, 1993 - for Cynthia Wiley, D.M.D.

Thesis Committee Member, University of Pittsburgh, Department of Health, Physical and Recreational Education 1999 – for Jenifer Pintar, M.S.

Dean’s Applicant Committee (Interviewer) University of Pittsburgh School of Medicine

Technology Assessment Committee (Member) University of Pittsburgh Medical Center

Member, Data Monitoring and Safety Board AgeWise CF Reynolds PI

Continuing Medical Education (CME) Activities

1994 - present	American Sleep Disorders Association Education Committee (member)
1994 - 1996	American Sleep Disorders Association Standards and Practice Committee (member)
1994 - 1999	American Sleep Disorders Association Education Committee (Chair, Primary Care Task Force, education subcommittee)
1993 - 1999	American Thoracic Society, Co-Chair Subcommittee Level I Training in Sleep Disorders
1994 - 1998	Pennsylvania Thoracic Society Education Committee (Chair, Subcommittee on residency training in pulmonary sleep disorders)
1994 - 1995	American Sleep Apnea Association (Executive Board Member)
1999 - 2002	Director, American Sleep Disorders Association National Sleep Medicine Course
1999 - 2000	American Thoracic Society, Program Committee (Member) – Respiratory Neurobiology and Sleep
2000 – 2004	American Thoracic Society, Steering Committee “Diagnostic Monitoring in the Home”
2001-2003	Chairman, American Academy of Sleep Medicine National Sleep Medicine Course Committee
2005-2008	Member, Board of Directors, American Academy of Sleep Medicine
2006 – 2008	Member, American Board of Internal Medicine Subspecialty Board on Pulmonary Diseases
2005 – present	Member, National Football League Cardiovascular Health Committee (Sleep Medicine Consultant)

Community

Featured speaker Western Pennsylvania AWAKE (Sleep Apnea Support) Group 13 February 1996

Featured speaker Western Pennsylvania AWAKE (Sleep Apnea Support) Group 12 July 1994

1995 - 2001 "Ask the Doctor" American Sleep Apnea Association News Letter (Wake-up Call)

Interview with Marilyn Brooks WTAE Pittsburgh, PA March 1996

"Our Healthy Community" WCXJ-Radio Program 20 March 1996 (talk about Sleep Apnea)

"Alive and Well: Sleep Apnea" Sheraton Station Square Pittsburgh, PA 12 September 1996

2003 Interview with Eric Bakow, MA, MPM, RRT Unlocking the Secrets of the Night: Starting a Turnkey Sleep Lab in advance for Respiratory Practitioners

2003 Interview with Christine Haran "serious Snoring" ABCNews.com

1996-1997 Assistant Coach, 6th Grade Boys, Pine Richland Youth Basketball League

1997-1998 Assistant Coach, 7th Grade Boys, Pine Richland Youth Basketball League

1999-2000 Head Coach, 5th & 6th Grade Girls, Pine Richland Youth Basketball League

2000-2001 Assistant Coach, High School Boys, Pine Richland Youth Basketball League

2004-present HeartSCORE Community Outreach

2007 "Vicious Cycle" Interview with Michael Gibbons in Advance for Physician Assistants

TAB 17

ANDREW MORRIS TUCKER, MD

Curriculum Vitae

OFFICE ADDRESS: Union Memorial Sports Medicine
1407 York Road, Suite 100A
Lutherville, MD 21093

PERSONAL INFORMATION:

Birthplace	Terre Haute, Indiana
Hometown	Paris, Illinois
Birthdate	November 9, 1960
Citizenship	U.S.
Marital Status	Married (Sheldon)
Children	Andrew, Jr. (7/7/93) Sarah (7/7/93) Caroline (2/20/97)

EMPLOYMENT:

7/26/04 – Present	Medical Director Union Memorial Sports Medicine Union Memorial Hospital Baltimore, MD
7/8/96 - 7/26/04	Director of Primary Care Sports Medicine University of Maryland Medical Center Assistant Professor, Department of Family Medicine University of Maryland School of Medicine
1/21/91 – 7/8/96	Cleveland Clinic Foundation Section of Sports Medicine Cleveland, Ohio Assistant Clinical Professor Department of Family Medicine Case Western Reserve University
10/89 – 12/89	Emergency Room Davie County Hospital Winston-Salem, North Carolina
10/89 – 12/89	Emergency Room Davis Community Hospital Statesville, North Carolina
10/88 – 12/89	Oldtown Immediate Care Winston-Salem, North Carolina

EDUCATION:

Fellowship: Primary Care Sports Medicine
Alabama Sports Medicine and Orthopaedic Center
Birmingham, Alabama
January, 1990 – December, 1990
Directors: Dr James Whiteside, Dr James Andrews

Sports Medicine
Bowman Gray School of Medicine/Carolina Baptist Hospital
Winston-Salem, North Carolina
July, 1989 – December, 1989

Postdoctoral: Family Practice
North Carolina Baptist Hospital
Bowman Gray School of Medicine
Winston-Salem, North Carolina

Internship: July, 1986 – June, 1987
Residency: July, 1987 – June, 1989
Co-Chief Resident – July, 1988 – June, 1989

Medical School: Southern Illinois University
Springfield, Illinois
Degree – M.D. – May, 1986

Undergraduate: Wake Forest University
Winston-Salem, North Carolina
Degree – Biology (BA) – May, 1982, Cum Laude

MEDICAL LICENSURE:

Maryland: #D0050841

CERTIFICATION: American Academy of Family Practice 1989-1996, 1996-2003, 2003-2010
AAFP Certificate of Added Qualification (Sports Medicine), 1993-2003, 2003-2013

PROFESSIONAL ACTIVITIES:

Head Team Physician, Baltimore Ravens, 2001-present
President -NFL Team Physician Society 2007-2009
Team Physician, University of Maryland, Baltimore County, 1996 – Present
Team Physician, Coppin State College, 1996 – Present
Consulting Team Physician-Morgan State University, 2004-Present
Consulting Team Physician-Loyola High School, 2003-Present
Consulting Team Physician Loyola College, 2004-Present
Team Physician, Baltimore Ravens, 1996-2001
Program Co chair, Union Memorial Sports Medicine Symposium, 11/06, 10/07
Program co-chair, Sports Medicine and Football, 2006 perspective, AOSSM/NFL, 5/06, Hollywood, FL
Consulting Team Physician, University of Maryland, College Park, 1997 – 7/26/04

Chairman, NFL Advisory Committee on Cardiovascular Health, 2004- present
NFL Advisory Committee on Performance Enhancing Agents, 1992 – Present
Member, NFL Committee on Mild Traumatic Brain Injury, 1994 – Present
Member, NFL Team Physician Executive Committee, 1999 – Present
President, American Sports Medicine Institute Fellowship Society, 1999 – 2001
Associate Team Physician, Cleveland Browns, 1991 – 1996
Team Physician, Cleveland State University, 1991 – 1996
Team Physician, Shaker Heights High School, 1991-1996
Medical Consultant, Cleveland Ballet, 1991-1996
Program Committee Member, AMSSM Annual Meeting, 1996
US Senior Open Golf Championship Medical Committee, 1995-1996
Medical Team for Revco Criterium Bike Race and Revco Marathon, 1991-1996
NIKE/Cleveland Open Golf Tournament medical coverage, 1993-1995
AOSSM/AMSSM Committee – HIV and Sports- Position Statement, 1993-1994
Reviewer: American Family Physician
Physician and Sports Medicine
Archives of Family Medicine
British Journal of Sports Medicine

PROFESSIONAL SOCIETIES:

Diplomate, American Academy of Family Physicians
American College of Sports Medicine
American Sports Medicine Institute Fellowship Society
American Medical Society for Sports Medicine
Cleveland Clinic Foundation Warthog Society
National Football League Team Physician's Society

PUBLICATIONS:

Pellman EJ, Lovell MR, Viano DC, Casson IR, Tucker AM. "Concussion in professional football: neuropsychological testing"-part 6, *Neurosurgery* 2004, Dec; 55(6): 1290-305

Pellman EJ, Viano DC, Casson IR, Tucker AM, Waeckerle JF, Powell JW, Feuer H. "Concussion in professional football: repeat injuries"-part 4, *Neurosurgery* 2004, Oct; 55(4): 860-73; discussion 873-6.

Tucker AM. "Ethics and the professional team physician," *Clinics in Sports Medicine* 23 (2004), 227-241.

Tucker AM, Martins DA, Yorio MA. "Oral corticosteroids and treatment of professional football players—a survey of NFL team physicians," Vol 15. No 2. April 2004. 108-112.

Pellman EJ, Powell JW, Viano DC, Casson IR, Tucker AM. "Concussion in professional football: epidemiological features of game injuries and review of the literature," *Neurosurgery* 54:81-96, 2004

Krome CN, Tucker AM. "Cardiac arrhythmia in a professional football player," *Physician and Sportsmedicine*; 31(12), December 2003, pp 21-25.

Pellman EJ, Viano DC, Tucker AM, et al. "Concussion in professional football: location and direction of helmet impact-part 2," *Neurosurgery* 53:1328-1341, 2003

Pellman EJ, Viano DC, Tucker AM, et al. "Concussion in professional football: reconstruction of game impacts and injuries," *Neurosurgery* 53: 799-814, 2003

PUBLICATIONS: (continued)

Martins DA and Tucker AM. "The Preparticipation Evaluation" and "Limiting Conditions for Sports Participation, in Sports Medicine Secrets, third edition, Mellion MB, Putukian M, Madden CC, editors. Hanley and Belfus, Inc., 2003, pp 13-31.

Tucker AM. "Abdominal muscle strains," "hip pointer," "lateral collateral ligament tear" in The 5 Minute Sports Medicine Consult, Bracker MD ed. Lippincott Williams and Wilkins, 2001

Curtin S, Tucker AM and Gens D. "Pneumothorax in Sports: Diagnosis, Management and Return to Play Considerations," Physician and Sports Medicine; 28(8), August 2000, p23-32.

Tucker AM. "Limiting Conditions for Sports Participation," in Sports Medicine Secrets, Second Edition, Mellion, MB ed. Hanley & Belfus, Inc., 1999, pp. 11-16

Tucker AM. "The Preparticipation Evaluation," in Sports Medicine Secrets, Second Edition, Mellion, MB ed., Hanley & Belfus, Inc., 1999, pp. 7-11.

Tucker AM. "Therapeutic and Ergogenic Drugs in Sports," in Injuries In Baseball, Andrews JR, Zarins B, Wilk K., eds., Lippincott-Raven, 1998, pp.425-430.

Escher SE, Tucker AM, Lundin TM, and Grabiner MD. "Smokeless Tobacco, Reaction Time, and Strength in Athletes," Medicine & Science in Sports and Exercise; 30 (10), October 1998, pp. 1548-1551.

Tucker AM, Bergfeld JA. "Preparticipation Evaluation" in Sports Medicine-Principles of Primary Care, Scuderi GR, McCann PD and Bruno PJ, eds, Mosby, 1997, pp 61-73.

Tucker AM. "Common Soccer Injuries: Diagnosis, Treatment, and Rehabilitation", Sports Medicine 1997; 23(1), pp 22-32.

Tucker AM. "Abdominal and Genital Injuries," in On Field Evaluation and Treatment of Common Athletic Injuries, Andrews JR, Clancy WG, Whiteside JA, eds., Mosby Year Book, Philadelphia , 1997.

Tucker AM. "Shoulder Pain in a Football Player," Medicine and Science in Sports and Exercise, Vol. 26 (3), March 1994, pp. 281-285.

Tucker AM. "Limiting Conditions for Sports Participation," in Sports Medicine Secrets, Mellion, MB ed. Hanley & Belfus, Inc., 1994, pp. 12-17.

Tucker AM. "The Preparticipation Evaluation," in Sports Medicine Secrets, Mellion, MB ed. Hanley & Belfus, Inc., 1994, pp. 7-11.

Tucker AM. "Examination of School Athletes and Their Preparation for Competition," Clinical Preventive Medicine, Matzen, RN and Lang, RS eds. Mosby, 1993, pp. 339-353.

Escher SE, Tucker AM. "Cold urticaria in a 25-year-old runner," Physician and Sports Medicine. Vol 20, No 12, December 1992, pp. 72-84.

Tucker AM. "The Evaluation and Treatment of Tendonitis," The Courtlandt Forum, The Courtlandt Group, Inc., August, 1992, pp. 166-177.

PUBLICATIONS: (continued)

Bergfeld JA, Tucker AM. "The Care of Professional Football Players," for the Medical and Health Annual of the Encyclopedia Britannica, Encyclopedia Britannica, Inc., 1993, pp. 172-189.

Tucker AM. "Does Your Patient Have Thoracic Outlet Syndrome?" *Your Patient and Fitness*, McGraw-Hill, Inc., Vol 6 No 3, May/June 1992, pp. 5-8.

PRESENTATIONS/LECTURES/ABSTRACTS AT NATIONAL MEETINGS:

"Concussions and same day return to play," NFL Player Health and Safety Meeting, Chicago, 6/19/08

"Echocardiography characteristics in a sample of professional football players" AM Tucker, RA Vogel, AP Yates, EJ Pellman, RA Heyer, PWF Wilson, American College of Sports Medicine, New Orleans, 5/31/07

"Recurrent concussion-football" BJ Krabak, A Cosgerea, A Tucker, E McFarland, American College of Sports Medicine, New Orleans, presented by Dr Tucker, 5/30/07

"Heat injury in athletes", "basic nutrition for athletes", "NSAID and acetaminophen use in athletes", "sports dermatology", "foot and ankle exam", ACSM Team Physician Course, La Jolla, CA, 2/28-3/4/07

"Ethics and the professional team physician," Sports Medicine and Football: the 2006 perspective, AOSSM/NFL Team Physician's Society, Hollywood, FL, 5/11/2006

"Heat injuries in professional football players", "Players assistance program", NFL Owner's Meeting, Maui, HI, March 18-20, 2005

"Heat injury in athletes", "sports nutrition", "NSAID and acetaminophen use in athletes", "sports dermatology", "knee exam", ACSM Team Physician Course, San Antonio, TX, 2/05

"Lessons learned from the NFL Committee on Mild Traumatic Brain Injury", Cleveland Clinic Warthog Orthopedic Society Meeting, Birmingham, AL, 5/13/04

"Concussions" NFL Coaches Symposium, Orlando, FL, 5/11/04

"Dietary supplements in baseball," Baseball Medicine: Injury Prevention and Treatment Techniques, Baltimore, MD, 1/9/04

"Treatment with oral corticosteroids- a survey of NFL Team Physicians," NFL Team Physicians Scientific Meeting, Indianapolis, IN, 2/20/03

"Update from the National Football League," New Developments in Sports-Related Concussion, Pittsburgh, PA, 7/20/02

"Update from the NFL Committee on Mild Traumatic Brain Injury," New Developments in Sports Related Concussion, Pittsburgh, PA, July, 2001.

"Hypertension in Athletes," Update in Sports Medicine, Phoenix, AR, May, 2001.

PRESENTATIONS/LECTURES/ABSTRACTS AT NATIONAL MEETINGS (continued)

"The Use of Complimentary Medicine Treatments in Professional Football Players," NFL Team Physicians Sports Science Exchange, Indianapolis, IN, February, 2000

"Update on the NFL Committee on Mild Traumatic Brain Injury," Concussion in Sports, Orlando, FL, 6/99

"Muscle Cramps and Dehydration in Athletes," American Sports Medicine Institute Fellowship Meeting, Birmingham, AL, 6/4/99

"Hypertension in Athletes," NFL Team Physician Course, Bal Harbour, FL, 5/8/99

"Hip Dislocation in a Professional Football Player," Curtin, S. and Tucker, AM; poster presentation at AMSSM Annual Meeting, Hilton Head Is, SC, 4/7/99

"Essential Medical Information for the Orthopaedic Team Physician," and "Head Injuries in Athletes," Southern Orthopaedic Association Winter Meeting, Aspen, CO, 3/20/99

"Update on NFL Committee on Mild Traumatic Brain Injury," Concussion in Sports, Orlando, FL, 2/98

"The Natural History of MTBI in High School Football Players," abstract presentation, American Sports Medicine Institute Fellowship Society Meeting, Birmingham, AL, 6/97

"Hypertension in the Athlete," NFL Team Physician Course, San Francisco, 4/97

"Essential Medical Information for the Orthopaedist as a Team Physician," Instructional Course lecture, AOSSM, Orlando, FL, with JA Bergfeld, AJ Cianflocco, and RJ Dimeff, 6/16/96-6/17/96

"Vocal Cord Dysfunction in a High School Basketball Player, American College of Sports Medicine Annual Meeting, Cincinnati, OH, 5/30/96

"Essential Medical Information for the Orthopaedist as a Team Physician, Instructional Course lecture, AAOS, Atlanta, GA, with JA Bergfeld, AJ Cianflocco, and RJ Dimeff, 2/19/96

"Essential Medical Information for the Orthopaedist as a Team Physician," Instructional Course lecture, AOSSM, Toronto, with JA Bergfeld, AJ Cianflocco, and RJ Dimeff, 7/17/95

"Knee Instability in a Soccer Player," Snell E, Tucker AM, Parker R, American College of Sports Medicine Annual Meeting, Minneapolis, MN, 6/2/95

"Atypical Stress Fracture," American College of Sports Medicine Annual Meeting, Indianapolis, IN, 6/2/94

"Football Injuries-Elbow and Shoulder" and "Sports-Related Abdominal and Genital-Urinary tract Injuries," Medical College of Wisconsin Annual Sports Medicine Meeting, Milwaukee, 4/15/94

"Hypertension and Diabetes," NFL Team Physician Meeting, Washington, DC, 3/25/94

"Most Frequent Soccer Injuries," and "Evaluation and Initial Treatment of the Injured Athlete," First International Course, Prevention and Treatment of Soccer Injuries, Mexico City, 3/9/94-3/11/94

Presentations/Abstracts/Lectures at National Meetings, continued

"Knowledge and Attitudes of Professional Football Players Regarding HIV and Sports," abstract presentation, NFL team Physicians Sports Science Symposium, Indianapolis, 2/1/94

"Hematuria in a Football Player," American College of Sports Medicine Annual Meeting, Seattle, 6/3/93

"Thoracic outlet-football," American College of Sports Medicine Annual Meeting, Dallas, 5/29/92

"Prescription and Over-the-Counter Medications in Sports," Injuries in Baseball Course, Birmingham, AL, 1/11/92

Research

Principal investigator, "Cardiovascular health risk factors of professional football player" in process

TAB 18

RESUME

DAVID C. VIANO

October 2007

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Bloomfield Hills, Michigan 48304-2952
U.S.A.

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248.202.8622 mobile
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dviano@comcast.net

Education: Karolinska Institute and Medical University, Stockholm, Sweden
Doctor of Medicine 1998
University and ETH Zurich, Zurich, Switzerland
Post-Doctorate, Biomedical Sciences 1974
California Institute of Technology, Pasadena, California
Doctor of Philosophy, Applied Mechanics 1972
Masters of Science, Applied Mechanics 1969
Santa Clara University, Santa Clara, California
Bachelors of Science, Electrical Engineering, Cum Laude 1968

Academic Appointments: Wayne State University, Detroit, Michigan
Director, Sport Biomechanics Laboratory 2002 to present
Adjunct Professor of Engineering 1989 to present
Adjunct Associate Professor of Engineering 1986 to 1989
Adjunct Assistant Professor of Engineering 1981 to 1986
Chalmers University of Technology, Gothenburg, Sweden
Adjunct Professor of Automotive Safety 1998 to 2005
Visiting Professor of Injury Prevention 1995 to 1998
Jubilee Professor 1993 to 1995
University of Virginia, Charlottesville, Virginia
Visiting Professor, School of Engineering 2002 to 2005
Royal Institute of Technology, Stockholm, Sweden
Visiting Professor of Neuronic Biomechanics 1999 to 2004

Doctoral Thesis Advisor: Chalmers University of Technology, Gothenburg, Sweden
Chantal Parenteau, PhD on "Foot-Ankle Biomechanics" Graduated Sept 1996
Dagmar Buzeman, PhD on "Crash Compatibility of Vehicles" Graduated Oct 1998
Adam Wittek, PhD on "Muscle Effects on Neck Kinematics" Graduated Sept 2000
Johan Ivarsson, PhD on "Brain Injury Biomechanics" Graduated Feb 2002
Niklas Ericsson, PhD on "Lower Extremity Protection in Crashes" Graduated Oct 2003
Wayne State University, Detroit, Michigan
Cynthia Bir, PhD on "Blunt Ballistic Chest Impact Injury" Graduated May 2000
Matthew Craig, PhD on "Mandible Impact Biomechanics" Graduated Aug 2007
Donald Sherman, PhD on "Biomechanics of Bruising" in progress
University of Calgary, Calgary, Canada
Craig Good, PhD on "Motorized Seatbelt Tensioning Biomechanics" Graduated Jan 2007

Consulting Company: ProBiomechanics
Providing Injury Prevention Research, Education and Consulting 2002 to present

Journal Management: Editor-in-Chief, Traffic Injury Prevention 2002 to present
Editor-in-Chief, Journal of Traffic Medicine 1996 to 2002
Editor-in-Chief, Crash Protection and Injury Control 1997 to 2002

Associate Editor, Accident Analysis and Prevention 1988 to 1996
Editorial Board, International Journal of Crashworthiness 1996 to 1999
Editorial Board, Shock & Vibration Journal 1993 to 2003
Editorial Consultant, Emeritus, Journal of Trauma 1993
Editorial Consultant, Journal of Trauma 1988 to 1993

Associate Editor, Journal of Biomechanical Engineering 1982 to 1988

Employment:

General Motors Corporation (Retired)
Principal Scientist, Safety Integration, GM North America 2001 to 2002
Manager, Advanced Body, Interior and Safety, Saab Automobile AB 1998 to 2001
Principal Research Scientist, GM Research Laboratories 1987 to 1998
Assistant Department Head, GM Research Laboratories 1978 to 1987
Staff Research Engineer, GM Research Laboratories 1976 to 1978
Senior Research Engineer, GM Research Laboratories 1972, 1974 to 1976

Manager, International Technology Planning 1993 to 1998
Chief Scientist, Delphi Automotive Systems - Europe 1994 to 1997
Safety Research Liaison, GM-NAO Safety Center 1993 to 1995
Leader, Crash Avoidance, GM Advanced Vehicle Engineering 1991 to 1993
Leader, Safety Programs, GM Research Laboratories 1988 to 1992

Patents:

- 1) Vehicle Action Lighting US Patent No. 5,258,740, November 2, 1993.
- 2) High Retention Seat Back US Patent No. 5,295,729, March 22, 1994.
European Patent EP, 0556 884, January 25, 1993.
- 3) Vehicle Pivotal Headrest US Patent No. 5,378,043, January 3, 1995
European Patent EP 0627 340, October 15, 1997.
- 4) Seatback Load Applying Device US Patent No. 5,379,646, January 10, 1995
European Patent EP 0646 782, January 28, 1998.
- 5) Female Crash Test Dummy with Fetal Insert US Patent No. 5,528,943, June 25, 1996.
- 6) Biomechanical Lower Leg and Foot-Ankle for Dummies US Patent No. 5,589,651
December 31, 1996.
- 7) Vehicle Seat with Perimeter Frame and Pelvic Catcher US Patent No. 5,509,716
April 23, 1996, European Patent EP 0715 985 A2, June 12, 1996.
- 8) Vehicle Seat with Integral, Load Limiting Belt System US Patent No. 5,823,627
October 20, 1998. European Patent EP 0870 652 A2, October 14, 1998.
- 9) Lower Leg for Crash Test Dummy US Patent No. 5,741,989, April 21, 1998.
- 10) Combination A-Pillar Front Airbag and Side Curtain US Patent No. 6,073,960
June 13, 2000, PCT application WO 99/55556.
- 11) A-Pillar Combination Airbag with Side and Top Wings for a Convertible
US Patent 6,116,644 September 12, 2000.
- 12) Airbag Assembly US Patent No. 6,382,660, May 7, 2002.
- 13) Dual Depth Airbag US Patent No. 6,616,177, September 9, 2003.
- 14) Method and Device for a Safety Belt US Patent 6,637,772 October 28, 2003.
Swedish Patent SE 9801787-4, 2001-07, PCT WO 99/59848
Swedish Patent SE 9801786-6, 2001-07, PCT WO 99/62747.
- 15) Inflatable Safety Restraint Assembly and Methods of Installing Such An Inflatable
Safety Restraint Assembly US Patent No. 6,663,141 December 16, 2003.
- 16) Sliding Wheel Rim Swedish Patent SE 0004798-5, 2002-34, 2002.
- 17) Seat Belt Retractor System US Patent No. 6,722,698, April 20, 2004.
- 18) Frontal Air Bag System US Patent No. 6,938,918, September 6, 2005.

Idea

Publication:

- 1) Inflatable Panel Bolster Research Disclosure No. 37409, June 1995.

Production

Applications:

Airbag Knee Bolster (First Application: 1986 Cadillac DeVille)
Self-Aligning Steering Wheel™ (First Application: 1989 Chevrolet Cavalier)
Advanced Driver Airbag Systems for Out-of-Position Safety
Side Impact Interior Padding (First Application: 1992 Oldsmobile 88)
Side Airbag (First Application: 1998 Cadillac DeVille)
Higher Retention Seat™ (First Application: 1996 Pontiac Grand Prix & Cadillac Seville)
Self-Aligning Head Restraint, Protech™ (Industry First Application: 1997 Saab 9-5)
Seatbelt Pretensioning in Rear Crashes (Industry First Application: 1997 Saab 9-5)

Combo Head-Torso Side Airbag (Industry First Application: 1997 Saab 9-5)
 Catcher's Mitt Seat™ (First Application: 1999 Buick Park Avenue)
 Dual Depth Airbag (Industry First Application: 2006 Buick Lucerne and 2006 Cadillac DTS)

Safety Assessment Procedures: Frangible Dummy Abdomen for Submarining Assessment
 BioSID Side Impact Dummy
 Viscous Injury Assessment
 Hybrid III Advanced Foot, Ankle, and Lower Leg
 Seat Safety Test Procedures for Rear Crashes
 Female Dummy with Fetal Insert for Safety Testing During Pregnancy
 High-Retention Seat Requirements for Rear Impacts
 Whiplash Prevention Requirements for Seats and Head Restraints

General Motors Activities: Presidential Armored Limousine, Project T-172 1994 to 2002
 Medical Committee for Automotive Safety, Technical Secretary 1984 to 1994
 Accident Avoidance Technology Committee 1989 to 1992
 Safety Technology Planning Group 1989 to 1993
 Safety Advertising Marketing Task Force 1988 to 1992
 Automotive Safety Technical Committee 1982 to 1988
 Drunk Driving Task Force 1984 to 1987
 Research Planning Advisory Group 1985 to 1987

Committee Appointments: National Academy of Sciences
 Member, Committee on Federal Trauma Research 1984 to 1985
 Member, Committee to Review the CDC Injury Control Program Progress 1988
 National Research Council, Washington, DC
National Science Foundation
 Member, Engineering Directorate Review Panel for Bioengineering, 1987
Transportation Research Board
 Member, Safety Belt Technology Study 2002 to 2003
 Member, Committee on Guidelines for Speed Limits and Enforcement 1997 to 1999
 Member, Committee on Transportation Safety Management 1992 to 1997
 Member, Committee on Occupant Restraint Research Needs 1988 to 1990
 Member, Committee on School Bus Safety 1987 to 1989
 National Research Council, Washington, DC
Department of Health and Human Services
 Advisory Committee for Injury Prevention and Control 2001 to 2005
 Member, Injury Research Grant Review Committee 1986 to 1989
 Advisory Committee for Injury Prevention and Control 1989 to 1992
 Centers for Disease Control, Atlanta, GA
Department of Defense
 Co-Chair, Crew Casualty Assessment for Impact and Acceleration Injury 1988 to 1998
 Office of Live Fire Testing, Department of Defense
 Washington, DC (*Secret Security Clearance*)
National Football League
 Co-Chairman, Committee on Mild Traumatic Brain Injury (MTBI) 2007 to present
 Member, Committee on Mild Traumatic Brain Injury (MTBI) 1998 to 2007

University Affiliations: Wayne State University, Detroit, Michigan
 Chairman, Industrial Advisory Committee, Bioengineering Center 1984 to 1996
University of Pennsylvania, Philadelphia, PA
 Member, Industrial Advisory Committee, Bioengineering Division 1988 to 1996
UC Berkeley/UC San Francisco, Berkeley, California
 Member, Industrial/Academic Advisory Board 1990 to 1993
 Joint Graduate Group in Bioengineering

Elected Positions: National Head Injury Foundation
 Executive Committee, Board of Directors 1987 to 1991

Treasurer, Chairman Finance Committee	1988 to 1991
<u>Rehabilitation Institute of Michigan</u>	
Member, Board of Directors	1989 to 1996
Chairman, Research and Education Committee	1991 to 1996
Member, Executive Committee	1993 to 1996
<u>Detroit Medical Center</u>	
Member, Clinical Services Advisory Board: Rehab & Post Acute Care	1996 to 2006
<u>Rehabilitation Institute Foundation</u>	
President, Del Harder Rehabilitation Foundation	1989 to present
Trustee, Del Harder Rehabilitation Foundation	1987 to 1989
<u>Michigan Head Injury Alliance</u>	
Member-at-Large, Board of Directors	1987 to 1989
<u>City of Bloomfield Hills, Michigan</u>	
Chairman, Board of Review, Property Tax Assessment	2000 to present
Secretary, Board of Review, Property Tax Assessment	1986 to 2000

Professional Societies:

<u>Society of Automotive Engineers (SAE)</u>	
Elected, Fellow	1990
Chairman, Automotive Body Activity	1985 to 1989
Chairman, Passenger Protection Committee	1980 to 1992
Chairman, Safety Advisory Committee	1985 to 1992
Member, Stapp Car Crash Advisory Committee	1976 to 2001
Chairman, Stapp Car Crash Conference	1993
Member, Fellow Committee	1994 to 1997
Member, Ralph Isbrandt Automotive Safety Engineering Awards Board	1984 to 1986
Chairman, Ralph Isbrandt Automotive Safety Engineering Awards Board	1987 to 1988
Member, Government Assistance Committee	1984 to 1989
Member, Public Policy Committee	1987 to 1989
<u>Association for the Advancement of Automotive Medicine (AAAM)</u>	
Elected, Fellow	1992
President	1989 to 1990
Executive Committee of the Board	1986 to 1992
Elected, Board of Directors	1984 to 1987
Member, Injury Scaling Committee	1978 to 1980
Chairman, Adhoc Committee for Impairment Scaling	1985 to 1989
Member, Membership and Credentials Committee	1982 to 1984
<u>American Society for Mechanical Engineers (ASME)</u>	
Elected, Fellow	1986
Program Chairman, Bioengineering Division	1980 to 1981
Member, Transportation Safety Committee	1982 to 1989
Member, Bioengineering Honors Committee	1982 to 1990
Government Relations Contact, Bioengineering Division	1980 to 1989
<u>International Traffic Medicine Association</u>	
Executive Committee	2001 to 2002
Journal Editor	1996 to 2002
<u>American Institute for Medical & Biological Engineering (AIMBE)</u>	
Elected, Fellow	1993 to 2005
<u>American Trauma Society (ATS)</u>	
Member, Board of Directors	1989 to 1996
<u>American Automotive Manufacturers Association (AAMA)</u>	
Member, Biomechanics Task Group	1976 to 1987
Member, Occupant Dynamics Modeling Task Group	1976 to 1984
<u>U.S. National Committee on Biomechanics (USNCB)</u>	
Member and SAE Delegate	1982 to 1989
<u>International Standards Organization (ISO)</u>	
Member, Group ISO/TC-108/SC4	1976 to 2000
<u>Orthopaedics Research Society (ORS)</u>	1978 to 1986
<u>American Society of Biomechanics (ASB)</u>	1982 to 1996

	<u>Engineering Society of Detroit (ESD)</u>	1982 to 1986
	<u>American College of Surgeons (ACS)</u>	
	Member, Committee on Trauma and Burns	1986 to 1992
	Conjoint Council on Surgical Research	
	<u>Biomedical Engineering Society (BES)</u>	
	Senior Member	1986 to 1995
	<u>American Association for the Advancement of Science (AAAS)</u>	
	Member	1985 to 1996
<u>Non-Profit Organization:</u>	<u>Institute for Injury Prevention</u>	
	President	2003 to present
<u>Courses Taught:</u>	<u>Wayne State University, Graduate Bioengineering</u>	
	Electrophysiology (4 credit hrs)	Fall Term 1981
	Biomechanics (4 credit hrs)	Fall Term 1982 & Winter Term 1983
	Biomechanics (4 credit hrs)	Winter Terms 1987 to 1989
<u>Contract Research:</u>	<u>Baseball Related Chest Impact Injury</u>	1984 to 1986
	Consumer Product Safety Commission Contract #CPSC-P-84-1170	
	A.I. King and D.C. Viano, Co-Principal Investigators, Wayne State University, Detroit, MI	
<u>University Activity:</u>	<u>Clean-Air Car Race, Caltech Entry, California Institute of Technology</u>	1969 to 1970
<u>Listed in:</u>	Who's Who in America	1989 to present
	Who's Who in Engineering	1989 to present
	American Men and Women of Science	1991 to present
	Who's Who in Technology	1994 to present
	International Who's Who in Medicine	1995 to present
	Who's Who in Executives and Professionals	2005 to present
	Who's Who in the Midwest	1985 to 1988
<u>Honors:</u>	<u>National Highway Traffic Safety Administration / Department of Transportation</u>	
	Award for Safety Engineering Excellence	1989
<u>Awards</u>	Industry Award for the Saab Active Head Restraint, World Traffic Safety Symposium, New York	2001
	IAATM Medal, Award for Outstanding Achievement in the Field of Traffic Medicine	
	from the International Association for Accident and Traffic Medicine	2000
	Windscreens O'Brien Safety Award – Australia's Most Prestigious Safety Award for the Saab SAHR	1997
	Design and Technology Award from Automotive & Transportation Interiors for the Catcher's Mitt Seat	1997
	Technology Award for the Saab Active Head Restraint, Prince Michael Road Safety Award, Great Britain	1997
	Body Innovation Award from International Body Engineering for the Catcher's Mitt Seat	1996
	Danish Association of Polio, Traffic and Accident Victims (PTU) Special Prize	
	for the Saab Active Head Restraint	1996
	Individual Achievement Award, Institute for Preventative Sports Medicine for "Analysis and Comparison of Head Impacts Using Baseballs of Various Hardness and a Hybrid III Dummy"	1994
	Individual Achievement Award, Institute for Preventative Sports Medicine for "An Analysis of Preventative Methods for Baseball-Induced Chest Impact Injuries in Children"	1993
	Bertil Aldman Award, International Research Council for the Biokinetics of Impact for "The Future of Crash Protection in the 1990's"	1992
	Wayne State University Socius Collegii Award for Service to Mechanical Engineering	1990
<u>General Motors Awards</u>	General Motors Chairman's Honors for Executive Branch Limousine Safety Program GMX279	2001
	GM "Boss" Kettering Award for "SAHR: Saab Active Head Restraint"	1998
	GM "Boss" Kettering Award for "Vehicle Seat with Perimeter Frame and Pelvic Catcher"	1996
	GM "Boss" Kettering Award for "Safety Invention with a Frangible Dummy Abdomen"	1990

GM Research Campbell Medal for Contribution to Science by the Viscous Injury Criterion	1987
GM Automotive Safety Research Award for the Viscous Response	1988

Society of Automotive Engineers Awards

Edward N. Cole award for Exceptional Accomplishment and Innovation in Developing the High Retention Seat and SAHR Active Head Restraint Systems	2003
R.H. Isbrandt Medal for Distinguished Accomplishment in Automotive Safety Engineering for "Influence of Seatback Angle on Occupant Dynamics in Sled Tests of Rear Crashes"	1993
Arch T. Colwell Award for Outstanding Paper for "Thoracic Injury Assessment of Belt Restraint Systems Based on Hybrid III Chest Compression	1992
34th Stapp Car Crash Conference, Stapp-Siegel Best Paper Award for "Assessment of Airbag Deployment Loads"	1991
Arch T. Colwell Award for Outstanding Paper for "Assessment of Airbag Deployment Loads" 33rd Stapp Car Crash Conference, Stapp Siegel Best Paper Award for "Assessing Submarining and Abdominal Injury Risk in the Hybrid III Family of Dummies"	1991
Arch T. Colwell Award for Outstanding Paper for "Assessing Submarining and Abdominal Injury Risk in the Hybrid III Family of Dummies"	1990
Excellence in Oral Presentation for "Limits and Challenges of Crash Protection"	1990
Excellence in Oral Presentation Award for "Human Tolerance in Lateral Impact"	1989
Arch T. Colwell Award for Outstanding Paper for "Biomechanics of Head Injury: Toward a Theory Linking Head Dynamics Motion, Brain Tissue Deformation and Neural Trauma"	1989
Arch T. Colwell Award for Outstanding Paper for "How and When Blunt Injury Occurs: Implications to Frontal and Side Impact Protection"	1989
Excellence in Oral Presentation for "Biomechanics of the Human Chest, Abdomen, and Pelvis in Lateral Impact"	1989
Arch T. Colwell Award for Outstanding Paper for "Evaluation of the SID Dummy and TTI Injury Criterion for Side Impact Testing"	1988
Arch T. Colwell Award for Outstanding Paper for "Measurement of Head Dynamics and Facial Contact Forces in the Hybrid III Dummy"	1988
Arch T. Colwell Award for Outstanding Paper for "The Viscous Criterion: Bases and Applications of an Injury Severity Index for Soft Tissues"	1988
30th Stapp Car Crash Conference Best Paper Award for "The Viscous Criterion: Bases and Applications of an Injury Severity Index for Soft Tissues"	1988
R.H. Isbrandt Medal for Distinguished Accomplishment in Automotive Safety Engineering for "The Viscous Criterion: Bases and Applications of an Injury Severity Index for Soft Tissues"	1986
R.H. Isbrandt Medal for Distinguished Accomplishment in Automotive Safety Engineering for "Mechanism of Abdominal Injury by Steering Wheel Loading"	1985
Arch T. Colwell Award for Outstanding Paper for "Laboratory Study of Factors Influencing the Performance of Energy Absorbing Steering Systems"	1982
Forest R. McFarland Outstanding Service Award for "Critical Issues in Finite Element Modeling of Head Impact"	1982
R.H. Isbrandt Medal for Distinguished Accomplishment in Automotive Safety Engineering for "Interrelationship of Velocity and Chest Compression in Blunt Thoracic Impact"	1981

Honorary Societies

President, Tau Beta Pi, Santa Clara University	1968
Tau Beta Pi, Alpha Sigma Nu, Pi Mu Epsilon, Sigma Xi	1968

Symposia

Organization:

1. 1981 Advances in Bioengineering, D.C. Viano, Program Chairman and Editor, American Society of Mechanical Engineers (Library Congress Number 74-81161), 232 pages, United Engineering Center, New York, NY, November 1981.
2. Driver Impact Interaction with the Energy Absorbing Steering System, D.C. Viano, General Chairman, Organizer & Editor, SAE Special Publication SP-507, 147 pages, Warrendale, PA, February 1982.
3. Priorities and State-of-Knowledge in Crash Protection, D.C. Viano, General Chairman, Organizer & Editor, SAE Special Publication SP-513, 205 Pages, Warrendale, PA, June 1982.

4. Pedestrian Impact Injury and Assessment, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-121, 275 pages, Warrendale, PA, February 1983.
5. Child Injury and Restraint Conference Proceedings, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-135, 242 Pages, Warrendale, PA, October, 1983.
6. Advances in Belt Restraint Systems: Design, Performance, and Usage, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-141, 440 Pages, Warrendale, PA, March 1984.
7. Mathematical Simulation of Occupant and Vehicle Kinematics, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-146, 360 pages, Warrendale, PA, May 1984.
8. Field Accidents: Data Collection, Analysis Methodologies, and Crash Injury Reconstructions, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-159, 425 pages, Warrendale, PA, February 1985.
9. Passenger Comfort, Convenience and Safety: Test Tools and Procedures, S. Backaitis & D.C. Viano, General Chairmen, Organizers & Editors, SAE Publication P-174, 304 pages, Warrendale, PA, February 1986.
10. Alcohol, Accidents and Injuries, D.C. Viano, General Chairman, Organizer & Editor, SAE Publication P-173, 160 pages, Warrendale, PA, February 1986.
11. Crash Injury Impairment and Disability: The Long Term Effects, S.H. Backaitis & D.C. Viano, General Chairmen, Organizers & Editors, SAE Publication, SP-661, 176 pages, Warrendale, PA, February 1986.
12. Biomechanics and Medical Aspects of Lower Limb Injuries, D.C. Viano & R.S. Levine, Editors, SAE Publication P-186, 180 pages, Warrendale, PA, October, 1986.
13. Restraint Technologies: Front Seat Occupant Protection, S.H. Backaitis & D.C. Viano, General Chairmen, Organizers & Editors SAE Publication, SP-690, 203 Pages, Warrendale, PA, February, 1987.
14. Restraint Technologies: Rear Seat Occupant Protection, S.H. Backaitis & D.C. Viano, General Chairman, SAE Publication, SP-691, 121 Pages, Warrendale, PA, February, 1987.
15. Passenger Car Inflatable Restraint Systems: A Compendium of Published Safety Research, D.C. Viano, Editor, SAE Progress in Technology PT-31, 403 pages, Warrendale, PA, October, 1987.
16. Injury Biomechanics, D.C. Viano & S.H. Backaitis, General Chairmen, Organizers and Editors, SAE Publication, SP-731, 223 pages, Warrendale, PA, May, 1987.
17. Automotive Occupant Protection Systems, S. H. Backaitis & D. C. Viano, General Chairmen, Organizers & Editors, SAE Publication SP-736, 122 pages, Warrendale, PA, February, 1988.
18. Side Impact: Injury Causation and Occupant Protection, S.H. Backaitis & D.C. Viano, General Chairmen, Organizers & Editors, SAE Publication SP-769, 191 pages, Warrendale, PA, February, 1989.
19. Child Occupant Protection, D.C. Viano, E. Petrucelli & K. Weber, General Chairs and Organizers for SAE, AAAM, & IRCOBI, SAE Publication SP-986, 309 pages, Warrendale, PA, October, 1993.
20. 37th Stapp Car Crash Conference, D.C. Viano, General Chairman, Proceedings of the Stapp Car Crash Conference P-269, 288 pages, Warrendale, PA, October, 1993.

Lecturer: Jaio Tong University, Shanghai, China, Short Course on Bioengineering

June 13 - July 5, 1983

Technical

Publications:

1. Viano DC, Miklowitz J. Transient Wave Propagation in a Symmetrically Layered Elastic Plate. *Journal of Applied Mechanics*, 41(3):684-690, September, 1974.
2. Schreck RM, Viano DC. Thoracic Impact: New Experimental Approaches Leading to Model Synthesis. 17th Stapp Car Crash Conference, pp. 437-540, SAE 730981, Society of Automotive Engineers, Warrendale, PA, 1973.
3. Viano DC, Helfenstein U, Anliker M, Ruegsegger P. Elastic Properties of Cortical Bone in Female Human Femurs. *Journal of Biomechanics*, 9:703-710, November, 1976.
4. Viano DC, Gadd CW. Significance of Rate of Onset in Impact Injury Evaluation. 19th Stapp Car Crash Conference, SAE 751169, P-62:807-802, Society of Automotive Engineers, Warrendale, PA, 1975.
5. Viano DC, Schreck RM, States JD. Dive Impact Tests and Medical Aspects of a 70-Year Old Stunt Diver. 19th American Association of Automotive Medicine Conference, pp. 101-115, Association for the Advancement of Automotive Medicine, Des Plaines, IL, 1975.
6. Viano DC, Khalil TB. Plane Strain Analysis of a Femur Midsection. 4th New England Bioengineering Conference, pp. 45-49, Pergamon Press, May, 1976.

7. Viano DC, Sekuterski JJ. Coded Skin Opacity Measurements of Blood Pulse Propagation Times. 4th New England Bioengineering Conference, pp. 247-252, Pergamon Press, May, 1976.
8. Viano DC, Warner CY. Thoracic Impact Response of Live Porcine Subjects. 20th Stapp Car Crash Conference, SAE 760823, P-66:731-765, Society of Automotive Engineers, Warrendale, PA, 1976.
9. Viano DC, Khalil TB. Investigation of Impact Response and Fracture of the Human Femur by Finite Element Modeling. In *Mathematical Modeling Biodynamic Response to Impact*, SP-412:53-60, SAE 760773, Society of Automotive Engineers, Warrendale, PA, 1976.
10. Viano DC. Evaluation of Biomechanical Response and Potential Injury from Thoracic Impact. *Aviation Space & Environmental Medicine*, 49(1):125-135, January, 1978.
11. Viano DC. Considerations for a Femur Injury Criterion. 21st Stapp Car Crash Conference, SAE 770925, P-73:443-474, and SAE Transactions, Vol. 86, 1977, Society of Automotive Engineers, Warrendale, PA, 1977.
12. Viano DC. Experimental Investigation of Femoral Fracture." 5th New England Bioengineering Conference, Pergamon Press, April, 1977.
13. Viano DC, Kroell CK, Warner CY. Comparative Thoracic Impact Responses of Living and Sacrificed Porcine Siblings. 21st Stapp Car Crash Conference, SAE 770930, P-73:627-710, Society of Automotive Engineers, Warrendale, PA, 1977.
14. Weir FW, Viano DC. Prediction of Carboxyhemoglobin Concentration from Transient Carbon Monoxide Exposure. *Aviation Space & Environmental Medicine*, 48(11):1076-1089, November, 1977.
15. Viano DC, Artinian CG. Myocardial Conducting System Dysfunction from Thoracic Impact. *Journal of Trauma*, 18(6):452-459, June, 1978.
16. Khalil TB, Viano DC. Impact Response of a Viscoelastic Head Model. 30th ACEMB Conference, p. 234, November, 1977.
17. Viano DC, Haut RC, Golocovsky M, Absolon K. Factors Influencing Biomechanical Response and Closed Chest Trauma in Experimental Thoracic Impacts. 7th Conference of the International Association for Accident and Traffic Medicine, 1:67-83, July, 1978.
18. Haut R, Viano DC, Absolon K, Golocovsky M. Cardiovascular Response of an Atherosclerotic Animal Model to Thoracic Impact. First Mid-Atlantic Conference on Bio-Fluid Mechanics, pp. 212-228, August, 1978.
19. Viano DC. Thoracic Injury Potential. 1978 International Conference on the Biokinetics of Impact, IRCOBI Secretariat, Lyon, France, 1978.
20. Viano DC. Penetration and Rupture of Pathological Canine Liver. 31st ACEMB, p. 352, October 1978.
21. Culver RH, Bender M, Stalnaker RL, Melvin JW, Viano DC. Evaluation of Intrathoracic Response Using High-Speed Cineradiography. 6th Annual New England Bioengineering Conference, Pergamon Press, March, 1978.
22. Khalil TB, Viano DC, Smith DL. Experimental Analysis of the Vibrational Characteristics of the Human Skull. *Journal of Sound & Vibration*, 63(3):351-376, 1979.
23. Viano DC, Culver CC, Haut RC, Melvin J, et al. Bolster Impacts to the Knee and Tibia of Human Cadavers and an Anthropomorphic Dummy. SAE Transactions, Vol. 87, 1978. 22nd Stapp Car Crash Conference, P-77:401-428, SAE 780896, Society of Automotive Engineers, Warrendale, PA, October, 1978.
24. Viano DC, Warner CY, Hoopes K, Mortenson C, White R, Artinian G. Sensitivity of Porcine Thoracic Responses and Injuries to Various Frontal and a Lateral Impact Site. 22nd Stapp Car Crash Conference, P-77:167-207, SAE 780890, Society of Automotive Engineers, Warrendale, PA, October, 1978.

25. Viano DC, Stalnaker RL. Mechanisms of Femoral Fracture. *Journal of Biomechanics*, 13(8):701-716, 1980.
26. Khalil TB, Viano DC. Comparison of Human Skull and Shell Vibrations-Implication to Head Modeling. *Journal of Sound & Vibration*, 82(1):95-110, 1982.
27. Culver CC, Viano DC. Factors Influencing Knee Restraint. SAE Transactions 88:1129-1144, 1979, SAE 790322, Society of Automotive Engineers, Warrendale, PA, June, 1979.
28. Viano DC, Culver CC. Performance of a Shoulder Belt and Knee Restraint in Barrier Crash Simulations. SAE Transactions, Vol. 88, 1979, 23rd Stapp Car Crash Conference, P-82:106-132, SAE 791006, Society of Automotive Engineers, Warrendale, PA, November, 1979.
29. Pope ME, Kroell CK, Viano DC, Warner CY, Allen SD. Postural Influences on Thoracic Impact. SAE Transactions, Vol. 88, 1979, 23rd Stapp Car Crash Conference, P-82:765-796, SAE 791028, Society of Automotive Engineers, Warrendale, PA, November, 1979.
30. Viano DC, Haut RC. Biomechanics and Kinematics of Cruciate Ligament Trauma. 26th Orthopaedic Research Society Transactions, ISSN 0149-6433, 5:19, February, 1980.
31. Haut RC, Viano DC, Vostal JJ. Evaluation of the In Vivo Response to Traumatic Posterior Tibial Drawer. 26th Orthopaedic Research Society Transactions, ISSN 0149-6433, 5:89, February 1980.
32. Viano DC. Femoral Impact Response and Fracture. 1980 International Conference on the Biokinetics of Injury, pp. 261-272, IRCOBI, Birmingham, England, September, 1980.
33. Culver CC, Viano DC. Influence of Crush Orientation on Knee Bolster Function in Barrier Crash Simulation. SAE Transactions 89:2591-2596, 1980, SAE 800852, Society of Automotive Engineers, Warrendale, PA, June, 1980.
34. Khalil TB, Viano DC, Taber LA. Vibrational Characteristics of the Embalmed Human Femur. 1980 Bioengineering Symposium, American Society of Mechanical Engineers, Publication G00176:57-60, November, 1980.
35. ---. The Abbreviated Injury Scale: 1980 Revisions. Committee on Injury Scaling, American Association for Automotive Medicine, 1980.
36. Lau VK, Viano DC, Doty DB. Experimental Cardiac Trauma Ballistics of a Captive Bolt Pistol. *Journal of Trauma*, 21(1):34-41, January, 1981.
37. Lau VK, Viano DC. Influence of Impact Velocity on the Severity of Nonpenetrating Hepatic Injury. *Journal of Trauma*, 21(2):115-123, February, 1981.
38. Khalil TB, Viano DC, Taber LA. Vibrational Characteristic of the Embalmed Human Femur. *Journal of Sound & Vibration*, 75(3):417-436, April, 1981.
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314. Casson IR, Viano DC, Pellman EJ. Summary of the “NFL Player Health and Safety Meeting” Chicago IL, June 19, 2007. Submitted to Neurosurgery, October 2007.

315. Good CA, Viano DC, McPhee, JJ, Ronsky JL. Modeling Biomechanics of Volunteers Subject to Loading by a Motorized Shoulder Belt Tensioner. 2007 IRCOBI Conference, SAE-2007-09-20, 2007.
316. Good CA, Viano DC, Ronsky L. The Hybrid III Dummy Family Subject to Loading by a Motorized Shoulder Belt Tensioner. SAE-08B-344, for Society of Automotive Engineers, Warrendale, PA, 2008.
317. Good CA, Viano DC, McPhee, JJ, Ronsky JL, Pieper JK. Motorized Shoulder Belt Tensioning: Modeling and Performance for a Diverse Occupant Population. SAE-08B-345, for Society of Automotive Engineers, Warrendale, PA, 2008.

TAB 19

CURRICULUM VITAE
ROBERT A. VOGEL, M.D.
January 1, 2007

CURRENT POSITION

Professor of Medicine
Director Clinical Vascular Biology
University of Maryland School of Medicine

ADDRESS

Room S3B06
University of Maryland Hospital
22 S. Greene Street
Baltimore, MD 21201
Telephone: (410) 328-8795
Fax: (410) 328-4382
Email: rvogel@medicine.umaryland.edu

PERSONAL DATA

Born: May 7, 1943, New York, New York
Citizenship: USA
Spouse: Sharyn Lynn
Daughter: Elizabeth Ann

EDUCATION

1959-63	B.A. Columbia University
1963-67	M.D. Yale University School of Medicine

POSTGRADUATE TRAINING

Internship (medical)	
1967-68	University of Colorado Medical Center
Residency	
1968-71	University of Colorado Medical Center
Fellowship	
1971	Cardiology Research: University of Colorado Medical Center
1973-75	Clinical Cardiology: University of Colorado Medical Center

CERTIFICATIONS

1968	National Board of Medical Examiners
1972	American Board of Internal Medicine
1975	Subspecialty Board of Cardiovascular Diseases

LICENSURES

1970-	Colorado
1980-	Michigan
1986-	Maryland

CURRENT RESEARCH INTERESTS

Endothelial function, coronary risk factors, nutrition, cholesterol lowering agents

MILITARY SERVICE

1971-73	Major, United States Air Force United States Air Force Academy
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FACULTY POSITIONS

1972-73	Assistant Clinical Instructor University of Nebraska School of Medicine (Military Service Instructor)
1975-79	Assistant Professor of Medicine University of Colorado School of Medicine
1979-80	Associate Professor of Medicine University of Colorado School of Medicine
1980-85	Associate Professor of Medicine University of Michigan School of Medicine
1985-86	Professor of Medicine University of Michigan School of Medicine
1986	Visiting Professor of Medicine University of Maryland School of Medicine
1987-00	Herbert Berger Professor of Medicine University of Maryland School of Medicine
2000-	Professor of Medicine University of Maryland School of Medicine

MAJOR ADMINISTRATIVE TASKS

1975-80	Director, Coronary Care - Medical Intensive Care Unit V.A. Medical Center - Denver, CO
1980-86	Chief, Section of Cardiology V.A. Medical Center - Ann Arbor, MI
1987-00	Head, Division of Cardiology University of Maryland - Baltimore, MD
1992-00	Co-Director, Center for Vascular Biology and Hypertension University of Maryland - Baltimore, Maryland
1997-00	Associate Chairman of Medicine for Clinical Affairs University of Maryland - Baltimore, MD
2000-01	Medical Director Cardiac Network University of Maryland – Baltimore, MD

- 2000- Executive Board, Mid-Atlantic Heart Network
Baltimore, MD
- 2000- Director of Clinical Vascular Biology
University of Maryland - Baltimore, MD

PROFESSIONAL MEMBERSHIP

- 1978 American Heart Association
- 1979 American Federation for Clinical Research
- 1982 Central Society for Clinical Investigation
- 1984 American College of Cardiology, Fellow
- 1984 American Heart Association Council on Circulation
- 1987 Baltimore City Medical Society
- 1988 Association of University Cardiologists
- 1990 Association of Professors of Cardiology
- 1995 American Heart Association Council on Clinical Cardiology
- 2000 American Association of Clinical Endocrinologists

HONORS AND AWARDS

- 1963 Columbia College B.A. (Physics) Magna Cum Laude,
Phi Beta Kappa, Eisenhower Scholar, Kennedy Scholar
- 1967 Yale University M.D. Cum Laude
- 1970-71 President, University of Colorado House Staff Association
- 1982 University of Michigan Cardiology Teaching Award
- 1983 Federal Scientist of the Year Award (Great Lakes Region)
- 1991 & 92 Baltimore Magazine's Best Doctors Award
- 1993 Councilor, Association of Professors of Cardiology
- 1996 Good Housekeeping Magazine Best Cardiologists in America
- 1997 President, Association of Professors of Cardiology
- 1998 Best Doctors in America
- 2000 "State-of-the-Art Lecture: Cholesterol and Endothelial Function,"
American College of Cardiology Annual Scientific Sessions
- 2001 Fellow American Heart Association (Council on Basic Cardiovascular Science)
- 2002 Baltimore Magazine's Best Doctors Award
- 2003 Best Doctors in America
- 2004 & 05 Elite Reviewer, Journal of the American College of Cardiology

EDITORIAL TASKS

Editorial Boards

- 1980-85 Advisory Editor, Nuclear Medicine Communications
- 1986-90 Co-Editor-in-Chief, International Journal of Cardiac Imaging
- 1987-98 Editorial Board, American Journal of Cardiac Imaging
- 1987-88 Editorial Board, Dynamic Cardiovascular Imaging
- 1988- Editorial Board, Clinical Cardiology
- 1988 Guest Editor, American Journal of Cardiology

1989- Editorial Board, American Journal of Cardiology
1989-94 Editor, Imaging Section, Current Opinion in Cardiology
1989-97 Editorial Board, Journal of Interventional Cardiology
1990-98 Editorial Board, International Journal of Cardiac Imaging
1992-96 Editorial Board, Journal of Cardiovascular Management
1992 Guest Editor, American Journal of Cardiology
1994-95 Editorial Board, Lipid Review
1994-95 Editorial Board, Lipid Insight
1996- Chapter Editor and Writer, ACCSAP
1996-98 Editorial Board, Cardiology in Review
1996-98 Editorial Board, Cardiology in General Practice
1997-99 Editorial Board, Current Opinion in Cardiology
1997-2001 Editorial Board, Journal of the American College of Cardiology
1999-2002 Section Editor, Reviews in Cardiovascular Medicine
1999- Editorial Board, HeartDrug
2001- Editorial Board, ACCEL
2002- Editorial Board, Circulation
2003- Editorial Board, Journal of the American College of Cardiology
2003- Editor, LipidSAP

Reviewer

New England Journal of Medicine
Circulation
American Journal of Cardiology
Journal of the American College of Cardiology
American Heart Journal
Journal of Nuclear Medicine
Clinical Cardiology
Catheterization and Cardiovascular Diagnosis
International Journal of Cardiac Imaging
British Heart Journal
Lancet
Journal of Clinical Investigation
Hypertension
Arteriosclerosis Thrombosis and Vascular Medicine
Atherosclerosis
Clinical Nutrition
Journal of the American College of Nutrition
NIH Office of Dietary Supplements

Study Sections

1986 NIH, CRC Site Visit Team (ad hoc)
1986 V.A. Career Development
1987-93 AHA, Maryland Affiliate Peer Review
1988 NIH, Post-CABG Study, Consultant and Site Visit Team
1989 NIH, Imaging Section (ad hoc)
1989 NIH, Program Project Site Visit Team (ad hoc)
1992 NIH, Imaging Section (ad hoc)
1993 NIH, Cardiovascular Section (ad hoc)

2000 NIH, Clinical Trials Section (ad hoc)

CAMPUS ACTIVITIES

1975-80 Chairman, Code One Committee
1978-86 Member, Radiation Safety Committee
1979-80 Chairman, Critical Care Committee
1980-81 Member, Critical Care Committee
1981-84 Member, Human Resource and Finance Committee
1981-86 Chairman, Critical Care Committee
1981-84 Member, Quality Assurance Committee
1987-00 Member, Division Heads Committee
1987-00 Member, UMPPA Board of Directors
1987-93 Member, Promotions and Tenure Committee (Department)
1987-95 Member, Volunteer Faculty and Alumni Relations Committee
1988-95 Member, Nursing Task Force Committee
1989- Member, Cardiac Center Committee
1990- Member, Strategic Planning Committee
1990-92 Member, Technology Committee
1993-00 Chairman, Benefits Committee
1994- Chairman, Department of Medicine Managed Care Committee
1994-98 Member, Appointments, Promotions and Tenure Committee (Medical School)
1995- Chairman, Cardiac Network Oversight Committee
1995- Chairman, Cardiac Network Practice Standards Committee
1997- Chairman, Medical Unit Directors Committee
1997-98 CoChairman, Clinical Geriatrics Director Search Committee
1997-0 Department of Medicine Management Committee
2003-06 Program Director, Annual Internal Medicine Update Symposium
2006- Chairman, Continuing Medical Education Committee

COMMITTEE ACTIVITIES OUTSIDE THE UNIVERSITY

1982-88 Member, Medical District Planning Board
1985-86 Member, V.A. Central Office Committee on Cardiology
1986-87 Member, Regional Cardiothoracic Surgery Board
1985 Ad Hoc Member, NIH CRC Study Section
1986 Ad Hoc Member, VA Career Development Study Section
1986-88 Member, American College of Cardiology Gruentzig Memorial Fund
Committee
1987-91 Member, AHA Maryland Affiliate, Peer Review Committee
1988-91 Member, American College of Cardiology Buildings and Grounds
Committee
1989-90 Member, AHA Maryland Affiliate Research Committee
1989-90 Member, Advisory Board, American Society of Cardiac Interventionalists
1990-92 Chairman, AHA Maryland Affiliate, Research Committee
1990-93 Member, AHA Maryland Affiliate, Board of Directors
1990-92 Second Vice President, AHA Maryland Affiliate
1990-92 Member, AHA Maryland Affiliate, Finance Committee
1990-93 Member, ACC Self-Study Committee

1990-92	Member, ACGME - Residency Review Committee
1991-93	Member, Maryland Commission of Hypertension and Cardiovascular Risk Factors
1992-94	MAAS Trial-Evaluation Committee
1992-94	SCVIR Contrast Study-Steering Committee
1992-00	Chairman, ACC HCFA-HCQII Task Force
1991-92	Member, Association Professors of Cardiology Academic Institutions Task Force
1992-93	Chairman, Association Professors of Cardiology Student and Housestaff Education Task Force
1992-94	Member, ACP MSKAP Preparation Group
1993-96	Councilor, Association Professors of Cardiology
1994-97	Member ACC Technology Assessment Committee
1996-97	Treasurer, Association Professors of Cardiology
1996-99	Member, ACC Cardiac Catheterization Committee
1996-99	Member, AHA Council on Clinical Cardiology, Program Committee
1995-00	ACC - ACCSAP Preparation Group
1996-99	Member, ACC Education Programs Committee
1997-99	Member, ACC Ad Hoc Task Force on AMAP
1997-99	Member, ACC Corporate Liaison Board
1997	President, Association Professors of Cardiology
1997-2000	Member, Governor's Advisory Committee on Practice Parameters
1997-	ACC Interventional Training Program Standards, Writing Group
1998-	Chairman, ACC Bethesda Conferences Committee
1999-	Member, Search Committee - Chief NHLBI Cardiology Branch
2001-	Board of Directors, Society of Atherosclerosis Imaging
2001-	Member, ACC Expert Consensus Document Writing Group on Alternative Medicine
2001-	Member, ACC ACCEL Committee
2003-06	Chairman, ACC Task Force on Clinical Expert Consensus Documents
2003-	Member, University of Michigan Cardiology Advisor Board
2003-	Director of Lifestyle Programs and Therapeutics, Lifestyle Heart Foundation
2004-	Member, National Football League Subcommittee on Cardiovascular Health

TEACHING RESPONSIBILITIES

Medical Service Attending
 Cardiology Service Attending
 Catheterization Laboratory Attending
 Pre-Clinical and Clinical Years Medical School Lecturer

GRANT SUPPORT

Principal or Co-Principal Investigator

1971	Colorado Heart Association: Artificial Heart Trial - \$9,000
1975-77	V.A. Career Development, Research Associate: Radionuclide Measurement of LVEF - \$70,000
1977-86	V.A. Merit Review: Digital Radiographic Measurement of Coronary Flow Reserve - \$510,000

1983-84	Michigan Heart Association: Digital Radiographic Measurement of Coronary Flow Reserve - \$16,000
1983-86	ADAC Lab Grant: Quantitative Coronary Arteriography - \$350,000
1986-87	Fischer Corp. Grant: Quantitative Coronary Arteriography - \$156,000
1986	NHLBI SOLVD Trial - \$22,000
1987-91	Contract Laboratory - Multicenter Trial on Angioplasty (VA ACME Study) -\$100,000
1987-92	NHLBI Core Laboratory - PTCA Registry - \$100,000
1987	University of Maryland - Designated Research Initiated Fund Grant - \$67,500
1987-89	ADAC Lab Grant Software Development - \$100,000
1987-89	Philips Corp. Grant Software Development - \$59,000
1987-89	Merck, Sharp & Dohme Corp. Grant: EXCEL Trial - \$40,000
1987-90	Mallinckrodt Corp Grant: Contrast Agent Trial - \$15,000
1990-91	Mallinckrodt Corp Grant: Contrast Agent Densitometry - \$6,000
1990-91	Merck, Sharp & Dohme Corp. Grant: Restenosis Trial - \$5,000
1990-92	Merck, Sharp & Dohme Corp. Grant: Risk-Factor Modification, \$40,000
1991-92	Aries Medical, St. June Corp. Grant: Circulatory Support Catheter Development - \$40,000
1991-92	Canyon Medical Corp. Grant: Circulatory Support Catheter Development, \$40,000
1991-95	Mallinckrodt Corp: Teaching Grant, \$270,000
1994-95	Merck and Co. Grant: Risk-Factor Modification, \$20,000
1994-95	Merck and Co. Grant: Endothelial Function, \$77,000
1994-95	Bristol-Myers Squibb Contract: Preventive Cardiology Practice Manual, \$60,000
1994-95	Merck & Co. Grant: Preventive Cardiology Practice Index, \$60,000
1994-95	US Healthcare Grant: Revascularization Guidelines & Outcomes, \$25,000
1996-97	Merck and Co. Grant: Endothelial Function, \$75,000
1996-97	Bristol-Myers Squibb Grant: Endothelial Function, \$50,000
1996-97	HCFA Health Outcomes Grant, \$60,000
1996-97	Merck and Co. Grant: Mixed Hyperlipidemia, \$110,000
1997-99	Bristol-Myers Squibb Teaching Grant, \$260,000
1998-99	Mallinckrodt: Contrast Echo Teaching Grant: \$348,000
1999-00	Merck and Co Grant: Cholesterol lowering and endothelial function: \$64,000
1999-03	Pfizer Grant: REVERSAL Trial: Cholesterol lowering and endothelial function: \$552,000
2001-06	NIH: Periodontal disease and Coronary Artery Disease, \$487,300
2002-03	Pfizer Grant: CONQUER Study: ACE-Inhibitor and Endothelial Function in African-Americans, \$175,000
2002-03	Novartis Grant: Nateglinide and Endothelial Function: \$150,000
2003-05	Novartis Grant: EXPLORE Study: Lotrel and endothelial function, \$78,250
2003-05	Novartis Grant: DILATE Study: Diovan, Amlodipine, and endothelial function, \$83,250

Collaborating or Mentoring Investigator

1983-84	Michigan Heart Association: Digital Radiographic Measurement of Coronary Flow Reserve - Fellowship Preceptor - \$16,000
1983-84	NATO Grant: Flow Reserve in Coronary Artery Disease - Fellowship Preceptor - \$30,000
1984-85	Lilly Corp: Dobutamine Pump Trial Grant, Coinvestigator - \$200,000

- 1984-86 Wyeth Corp. Grant: Ca Blocker Trial, Coinvestigator - \$70,000
1986 V.A. Career Development: Hydrogen Electrode Measurement of Myocardial Perfusion - Associate Investigator Preceptor - \$44,000
1986-87 Michigan Heart Association: Hydrogen Electrode Measurement of Myocardial Perfusion - Fellowship Preceptor - \$18,000
1988-89 Beecham Lab Grant: APSAC Trial, Consultant - \$80,000
1988-89 Maryland Heart Association: Impedance Guidewire Measurement of CBF, Preceptor - \$40,000
1990-91 Medtronic Corp. Grant: Cardiopulmonary Bypass System Trial - \$40,000
1992-93 Mallinckrodt Corp Grant: Echocardiographic Contrast Agent Trial - \$30,000
2003-07 NIH: RFA-HL-02-010: Interaction of genes and environment in the Amish, Coinvestigator, \$10,600,000
2004-05 Preventive Medicine Research Institute Grant, Endothelial function and low fat and carbohydrate diets, Coinvestigator, \$160,000.

BIBLIOGRAPHY

Books

1. Miller M, Vogel R. The Practice of Coronary Disease Prevention. Williams and Wilkins, Baltimore, 1996

Chapters

1. Steele P, Kirch D, Vogel R: Evaluation of central circulatory dynamics with the radioisotope angiocardigraph. In: Strauss HW, Pitt B, eds, Cardiovascular Nuclear Medicine, 2nd Edition. CV Mosby, St. Louis, pp. 105-125, 1979
2. Vogel R, LeFree M, Kirch D: Rapid and inexpensive cardiac tomography using a wide-field Anger camera. In: Wagner HN Jr, ed, Frontiers of Nuclear Medicine, Springer, Berlin, pp 79-89, 1980
3. Vogel R: Quantitative aspects of myocardial perfusion imaging. In: Freeman LM, Blaufox MD, eds, Cardiovascular Nuclear Medicine, Grune and Stratton, New York, pp 236-246, 1980
4. Vogel RA, Kirch DL: Clinical applications of cardiac emissive tomography. In: Rapaport E, Pitt B, eds, Cardiology Update, Elsevier North-Holland, New York, pp 185-204, 1980
5. Steele PP, Vogel RA: Sulfinpyrazone treatment of patients with prosthetic cardiac valves. In: McGregor M, Mustard JF, Oliver MF, Sherry S, eds, Cardiovascular Actions of Sulfinpyrazone: Basic and Clinical Research, Symposia Specialists, Miami, pp 295-309, 1980
6. Vogel RA: Digital radiographic assessment of coronary flow reserve. In: Buda AJ, ed, Digital Cardiac Imaging, Martinus Nijhoff, The Hague pp 106-118, 1985
7. Vogel RA, Mancini GBJ: Cardiac applications of digital radiography. In: Alter B, ed, Cardiology Clinics, W.B. Saunders, Philadelphia, pp 3-18, 1985
8. Mancini GBJ, Hodgson JMcB, LeGrand V, Vogel RA, LeFree MT, Bates ER, Aueron FA: Determination of the functional significance of coronary artery disease with digital subtraction angiography. In: Moodie DS, Yiannikas J, eds, Digital Cardiac Imaging, Grune and Stratton, Orlando, pp 149-163, 1986
9. Vogel RA: Functional imaging of the coronary circulation using digital radiography. In: New Concepts in Cardiac Imaging, Pohost GM, et al, eds, Year Book Medical Publishers, Chicago, pp 175-188, 1986
10. Vogel RA, LeFree MT: Digital coronary arteriography. In: State-of-the-Art in Quantitative Coronary Arteriography, Reiber JHC, Serruys PW, eds, Martinus Nijhoff, Dordrecht, pp 17-32, 1986

11. *Vogel RA*: Digital coronary arteriography: assessment of coronary flow reserve by parametric imaging. In: Ross AM, Wasserman AG, eds, *Cardiac Applications of Digital Subtraction Angiography*. Futura, Mount Kisco, pp 123-132, 1989
12. *Vogel RA*: The assessment of coronary flow and myocardial perfusion with DSA. In: Mancini GBJ, ed, *Clinical Cardiac Applications of Digital Angiography*. Raven Press, N.Y. pp 281-290, 1988
13. LeFree MT, Simon SB, Sanz ML, *Vogel RA*, Mancini GBJ: Quantitative coronary angiography. In: Mancini GBJ, ed, *Clinical Cardiac Applications of Digital Angiography*. Raven Press N.Y. pp 219-238, 1988
14. Mancini GBJ, *Vogel RA*: Digital subtraction angiography. In: Miller DD, ed, *Clinical Cardiovascular Imaging*. McGraw-Hill, N.Y. pp 203-222, 1988
15. *Vogel RA*, LeFree MT, Mancini GBJ: Comparison of 35 mm cine film and digital radiographic imaging for quantitative coronary arteriography. In: Heintzen P, ed, *Proceedings of International Workshop on Digital Radiography*, Martinus Nijhoff, Dordrecht, pp 159-172, 1988
16. Mancini GBJ, *Vogel RA*: Coronary arteriography, stress test and coronary flow reserve measurements: Comparative studies. In: Heintzen P, ed, *Proceedings of International Workshop on Digital Radiography*, Martinus Nijhoff, Dordrecht, pp 293-304, 1988
17. *Vogel RA*, Sanz M, Mancini GBJ: Comparison of automated edge detection and videodensitometric quantitation of coronary arteriography. In Reiber JHC, Serruys PW, eds, *New Developments in Quantitative Coronary Arteriography*, Kluwer, Dordrecht, pp 142-152, 1988
18. *Vogel RA*: Digital angiography for the assessment of left ventricular function and myocardial perfusion in coronary disease. In Brundage B, ed, *Cardiac Imaging*, Aspen Pub, Rockville, pp 119-128, 1990
19. *Vogel RA*: Transcatheter assessment of coronary artery anatomy and blood flow. In: Vogel JHK, King SB, eds, *Interventional Cardiology*, Mosby Times Mirror St. Louis, pp 487-498, 1989
20. *Vogel RA*, Tommaso CL, Gundry S: Elective angioplasty and valvuloplasty using semi-percutaneous cardiopulmonary support. In: Vogel JHK, King SB, eds, *Interventional Cardiology*, Mosby Times Mirror, St. Louis, pp 290-294, 1989
21. *Vogel RA*: Transcatheter measurement of coronary blood flow and myocardial perfusion. In: Vigorito C, Rengo F, eds, *Evaluation of myocardial perfusion in man*. Karger, Basel, pp 123-134, 1989
22. *Vogel RA*: Supported angioplasty. In: Topol E, ed, *Interventional cardiology*, Saunders. Philadelphia, pp 467-476, 1990
23. *Vogel RA*, Martin LW: Assessment of coronary blood flow and velocity in the catheterization laboratory. In: Reiber JHC, Serruys PW, eds, *Coronary arteriography*, Kluwer Academic Pub, Dordrecht, pp 213-228, 1990

24. *Vogel RA*: Percutaneous cardiopulmonary support for the prevention and management of ischemic complications of coronary angioplasty. In: Black A; Anderson, Ellis S, eds, Acute complications of coronary angioplasty. Marcel Decker, New York, pp 177-192, 1991
25. *Vogel RA*, Tommaso CL: Report of the National Registry of Supported Angioplasty. In: Vogel JHK, King SB, eds, Mosby Times Mirror, St. Louis, pp 19-26, 1992
26. *Vogel RA*, Martin LW: Transcatheter assessment of coronary blood flow and velocity. In: Vogel JHK, King SB, eds, Mosby Times Mirror, St. Louis, pp 425-434, 1992
27. *Vogel RA*, Tommaso CL: Myocardial and systemic circulation protection during coronary angioplasty. In: Kulick, Rahimtoola, eds, Interventional cardiology, Year Book Med Pub, St. Louis, pp 1991
28. Beauman GJ, Reiber JHC, Koning G, *Vogel RA*: Variability of QCA-core assessment of coronary anatomy. In: Reiber JHC, Serruys P, eds, Quantitative coronary arteriography, Kluwer Academic, Dordrecht, pp 137-59, 1992
29. *Vogel RA*: Transcatheter assessment of coronary blood flow and velocity. In: Vogel JHK and King SB, eds, The Practice of Interventional Cardiology, Mosby Year Book, St. Louis, pp 19-26, 1993
30. *Vogel RA*: Use of prophylactic and standby circulatory support during high-risk coronary angioplasty. In: Vogel JHK and King SB, eds. The Practice of Interventional Cardiology Mosby Year Book, St Louis, pp 425-433, 1993
31. *Vogel RA*: Femorofemoral cardiopulmonary bypass assisted coronary angioplasty. In: Ott R, ed. Cardiac Surgery: State of the Art Reviews, Hanley & Belfus, Inc., Philadelphia, pp 213-20, 1993.
32. *Vogel RA*: Hypolipidemic intervention and prospects for regression. In: Topol E, ed, Textbook of Interventional Cardiology, WB Saunders, Philadelphia, pp 161-70, 1994
33. *Vogel RA*: Supported angioplasty. In: Topol E, ed, Textbook of Interventional Cardiology, WB Saunders, Philadelphia, pp 495-501, 1994
34. Beauman GJ, Reiber JHC, Koning G, Van Houdt RCM, *Vogel RA*. Angiographic core laboratory analyses of arterial phantom images: Comparative evaluations of accuracy and precision. In: Reiber JHC, Serruys PW, eds, Progress in Quantitative Coronary Arteriographs. Kluwer Academic, The Netherlands, 87-104, 1994
35. *Vogel RA*. Cardiopulmonary bypass support during coronary angioplasty. In: Bertrand M, Serruys P, Sigwart U, eds, Handbook of Cardiovascular Interventions. Churchill Livingstone, New York, pp 157-163, 1996
36. *Vogel RA*. Introduction. In: The Practice of Coronary Disease Prevention, Miller M, Vogel RA, Williams and Wilkins, Baltimore, pp 1-7, 1996

37. *Vogel RA.* Total and low-density lipoprotein. In: *The Practice of Coronary Disease Prevention*, Miller M, *Vogel RA*, Williams and Wilkins, Baltimore, pp 36-58, 1996
38. *Vogel RA.* Diabetes mellitus. In: *The Practice of Coronary Disease Prevention*, Miller M, *Vogel RA*, Williams and Wilkins, Baltimore, pp 131-138, 1996
39. *Vogel RA.* Comprehensive preventive cardiology: vasoprotection, drugs and rehabilitation. In: *The Practice of Coronary Disease Prevention*, Miller M, *Vogel RA*, Williams and Wilkins, Baltimore, pp 159-174, 1996
40. *Vogel RA.* Prevention of atherosclerosis in clinical practice. In: *Medical Management of Atherosclerosis*, LaRosa JC ed., Marcel Dekker, New York, pp 197-220, 1998
41. *Vogel RA.* Plaque stabilization and secondary prevention. In: *Acute Coronary Syndromes*, Topol EJ, ed., Marcel Dekker, New York, pp 555-588, 1998
42. *Vogel RA.* Hypolipidemic therapy and plaque stabilization. In: *Textbook of Interventional Cardiology*, Third Edition, Topol EJ, ed., W.B. Saunders, Philadelphia, pp. 111-124, 1999
43. *Vogel RA.* Nitric oxide availability in hypercholesterolemia. In: *Endothelium, Nitric Oxide, and Atherosclerosis*, Panza JA, Cannon RO III, eds, Futura, New York, 1999, pp. 163-183.
44. *Vogel RA.* Prevention of atherosclerosis: endothelial function, cholesterol and antioxidants. In: *Molecular Cardiology in Clinical Practice*, Sanders MR, Kostis JB, eds, Kluwer Academic, Boston, 1999, pp.77-106
45. *Vogel RA.* Plaque stabilization and secondary prevention. In: *Acute Coronary Syndromes*, Second Edition, Topol EJ, ed., Marcel Dekker, New York, 2001, pp. 599-638
46. *Vogel RA.* Hypolipidemic therapy and plaque stabilization. In: *Textbook of Interventional Cardiology*, Fourth Edition, Topol EJ, ed., W.B. Saunders, Philadelphia, 2003, pp. 119-140.
47. Miller M, *Vogel RA.* Hypolipidemic therapy and plaque stabilization. In: *Textbook of Interventional Cardiology*, Fifth Edition, Topol EJ, ed., W.B. Saunders, Philadelphia, (in press).
48. *Vogel RA.* The emotional basis of heart disease. In *Integrative Cardiology*, *Vogel JHK*, *Krucoff M*, eds. McGraw-Hill, NY 2007, pp 399-413
49. *Vogel RA.* The modified Mediterranean diet. In *Integrative Cardiology*, *Vogel JHK*, *Krucoff M*, eds. McGraw-Hill, NY 2007, pp 169-178.

Refereed Articles

1. Steele P, Pappas G, *Vogel R*, Jenkins M, Battock D, Ellis J: Effects of isosorbide dinitrate and intra-aortic balloon pumping on central circulatory dynamics in pre-infarction angina. *Chest* 1976;69:712-717
2. Steele P, Battock D, Pappas G, *Vogel R*: Effect of parent coronary artery occlusion on left ventricular function following aorto-coronary bypass surgery. *Am J Cardiol* 1977;39:39-42
3. *Vogel R*, Frischknecht J, Steele P: Short and long-term effects of digitalis on resting and post handgrip hemodynamics in patients with coronary artery disease. *Am J Cardiol* 1977;40:171-176
4. Steele P, Kirch D, Ellis J, *Vogel R*, Battock D: Prompt return of depressed right ventricular ejection fraction in acute inferior infarction. *Br Heart J* 1977;39:1319-1323
5. *Vogel R*, Kirch D, LeFree M, Frischknecht J, Steele P: Effects of digitalis on resting and isometric exercise myocardial perfusion in patients with coronary artery disease and left ventricular dysfunction. *Circulation* 1977;56:355-359
6. *Vogel R*, Kirch D, LeFree M, Steele P: A new method of multi-planar emission tomography using a seven pinhole collimator and an Anger scintillation camera. *J Nucl Med* 1978;19:647-656
7. Steele P, *Vogel R*, Maddoux G, Kirch D: Effects of propranolol and nitroglycerin on left ventricular performance in patients with coronary artery disease. *Chest* 1978;73:19-23
8. Steele P, Rainwater J, *Vogel R*: Abnormal platelet survival in men with myocardial infarction and normal coronary arteriograms. *Am J Cardiol* 1978;41:60-62
9. Steele P, Rainwater J, *Vogel R*, Genton E: Platelet suppressant therapy in patients with coronary artery disease. *J Am Med Assoc* 1978;240:228-231
10. Steele P, Rainwater J, Jensen D, *Vogel R*, Battock D: Improvement in left ventricular ejection fraction during exercise with isosorbide dinitrate in coronary artery disease. *Chest* 1978;74:526-530
11. *Vogel RA*, Kirch D, LeFree M, Rainwater J, Jensen D, Steele P: Thallium-201 myocardial perfusion scintigraphy: Results of standard and multipinhole tomographic techniques. *Am J Cardiol* 1979;43:787-793
12. Frischknecht J, Steele P, Kirch D, Jensen D, *Vogel R*: Effect of exercise on left ventricular ejection fraction in men with coronary artery disease. *Am Heart J* 1979;97:494-498
13. Steele P, Rainwater J, *Vogel R*: Platelet suppressant therapy in patients with prosthetic cardiac valves, relationship of clinical effectiveness to alteration of platelet survival time. *Circulation* 1979;60:910-913

14. *Vogel R*: Quantitative aspects of myocardial perfusion imaging. *Sem Nucl Med* 1980;10:146-156
15. LeFree MT, *Vogel RA*, Kirch DL, Steele PP: Seven pinhole tomography: A technical description. *J Nucl Med* 1981;22:48-54
16. Ritchie JL, Williams DL, Caldwell JH, Stratton JR, Harp GD, *Vogel RA*, Hamilton FW: Seven pinhole tomography with thallium-201 in patients with prior myocardial infarction. *J Nucl Med* 1981;22:107-112
17. Hasegawa BH, Kirch D, LeFree MT, *Vogel RA*, Steele PP, Hendee WE: Quality control of scintillation cameras using a minicomputer. *J Nucl Med* 1981;22:1075-1080
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 98. LeGrand V, Hodgson JMcB, Aueron FM, Bates ER, Mancini GBJ, Smith JS, *Vogel RA*: Abnormal coronary flow reserve and abnormal radionuclide exercise tests in patients with normal coronary angiograms. Presented at American College of Cardiology Meeting, Los Angeles, CA, March, 1985; J Am Coll Cardiol 1985;5:531
 99. Mancini GBJ, Hodgson JMcB, LeGrand V, Bates ER, Aueron FM, LeFree MT, Smith JS, Beauman G, *Vogel RA*: Assessment of ventricular function with low contrast dose digital subtraction ventriculography. Presented at American College of Cardiology Meeting, Los Angeles, CA, March, 1985; J Am Coll Cardiol 1985;5:501
 100. LeGrand V, Hodgson J, Mancini J, Bates E, Aueron F, *Vogel R*: Use of digital subtraction angiography for evaluation of relative regional blood flow in humans. Presented at Europ Society of Cardiology Meeting, Brighton, England, September, 1985; Eur Heart J 1985;6:90
 101. LeGrand V, Aueron F, Bates E, *Vogel R*: The significance of abnormal radionuclide tests in the presence of a satisfactory PTCA result. Presented at Europ Society of Cardiology Meeting, Brighton, England, September, 1985. Eur Heart J 1985;6:48
 102. LeGrand V, Bates E, Aueron F, Mancini J, Hodgson J, *Vogel R*: Myocardial steal produced by arterial vasodilatation in patients with coronary artery disease. Presented at Europ Society of Cardiology Meeting, Brighton, England, September, 1985; Eur Heart J 1985;6:21
 103. Mancini GBJ, LeFree MT, *Vogel RA*: Curvature analysis of normal ventriculograms: Fundamental framework for the assessment of shape changes in man. Presented at Computers in Cardiology Meeting, Linkoping, Sweden, September, 1985; IEEE, Computers in Cardiol 1985:141-144

104. *Vogel RA*, Mancini GBJ, Beauman GJ, Friedman HZ: On-line computer measurements of absolute coronary blood flow using a hydrogen dilution catheter. Presented at Computers in Cardiology Meeting, Linkoping, Sweden, September, 1985; IEEE, Computers in Cardiol 1985:27-32
105. LeFree MT, Simon SB, Lewis RJ, Bates ER, *Vogel RA*: Digital radiographic coronary artery quantification. Presented at Computers in Cardiology Meeting, Linkoping, Sweden, September, 1985; IEEE, Computers in Cardiol 1985:99-102
106. *Vogel RA*, Beauman GJ, Friedman HZ, Mancini GBJ: Measurement of absolute coronary blood flow using a hydrogen dilution catheter. Presented at Central Society for Clinical Research Meeting, Chicago, IL, Nov., 1985; Clin Res 1985;33:870A
107. Bates ER, LeFree MT, Simon SB, Lewis RJ, *Vogel RA*: Quantitative coronary angiography using digital acquisition and an automated edge detection algorithm. Presented at American Heart Association Meeting, Washington, D.C., November, 1985; Circulation 1985;72(Suppl III):III-454
108. *Vogel RA*, Mancini GBJ, Friedman HZ, Grines CL, Beauman GJ: Measurement of absolute coronary blood flow using a hydrogen dilution catheter. Presented at American Heart Association Meeting, Washington, D.C., November, 1985; Circulation 1985;72(Suppl III):III-191
109. LeFree MT, Mulvaney JA, *Vogel RA*: Image corrections for digital radiographic geometric and videodensitometric distortions. Presented at Radiologic Society of North America, Chicago, IL, November, 1985; Radiology 1985;157:36
110. Mancini GBJ, DeBoe SF, LeFree MT, Anselmo E, *Vogel RA*: Curvature analysis: a new, assumption-free method for quantitation of regional ventricular function. Presented at American College of Cardiology Meeting, Atlanta, GA, March, 1985; JACC 1986;7:151A
111. Friedman HZ, Beauman GJ, McGillem MJ, Mancini GBJ, *Vogel RA*: Measurement of coronary blood flow and regional myocardial perfusion using hydrogen dilution and washout subselective catheter techniques. Presented at American College of Cardiology Meeting, Atlanta, GA, March, 1986; JACC 1986;7:151A
112. Grines CL, Mancini GBJ, McGillem MJ, *Vogel RA*: In vivo determination of myocardial perfusion bed using transarterial hydrogen washout measurement of regional myocardial perfusion. Clin Res 1986;34:942A
113. Mancini GBJ, DeBoe SF, LeFree MT, Anselmo E, *Vogel RA*: Quantitative regional curvature analysis: a comparison of shape vs wall motion changes. Clin Res 1986;34:944A
114. Bates ER, Kline EM, Langburd AB, Fung AY, Walton JA, Bourdillon PDV, *Vogel RA*, O'Neill WW: Interventional therapy improves left ventricular function after acute right coronary occlusion. Presented at American Heart Association Meeting, Dallas, TX, November, 1986; Circulation 1986;74 (Suppl II):II-1099
115. Mancini GBJ, DeBoe SF, LeFree MT, Anselmo E, *Vogel RA*: Quantitative regional curvature: A comparison of shape vs wall motion analysis. Presented at American Heart Association Meeting, Dallas, TX, November, 1986; Circulation 1986;74(Suppl II):II-498

116. Bates ER, McGillem MJ, Beals TF, DeBoe SF, Mickelson JK, Mancini GBJ, *Vogel RA*: Angioplasty induced media injury, but not endothelial denudation, impairs coronary reactive hyperemia. Presented at American Heart Association Meeting, Dallas, TX, November, 1986; *Circulation* 1986;74(Suppl II):II-498
117. Friedman HZ, McGillem MJ, Mancini GBJ, *Vogel RA*: A new method to measure absolute coronary blood flow using standard angioplasty technique. Presented at American Heart Association Meeting, Dallas, TX, November, 1986; *Circulation* 1986;74(Suppl II):II-497
118. *Vogel RA*, Simon SB, LeFree MT: Quantitative coronary arteriography: comparison of direct digital and cine film radiography. Presented at American Heart Association Meeting, Dallas, TX, November, 1986; *Circulation* 1986;74(Suppl II):II-357
119. Sanz ML, Mancini GBJ, LeFree MT, Mickelson JK, Starling MR, Topol EJ, *Vogel RA*: Observer variability of quantitative coronary arteriography pre and post-coronary angioplasty: Superiority of absolute diameter measurements. Presented at American College of Cardiology Meeting, New Orleans, LA, March, 1987; *JACC* 1987;9:45A
120. Mancini GBJ, Simon SB, McGillem MJ, LeFree MT, *Vogel RA*: In-vivo validation of an automatic coronary quantitation program for on-line use during angioplasty. Presented at American College of Cardiology Meeting, New Orleans, LA, March, 1987; *JACC* 1987;9:44A
121. *Vogel RA*, Friedman HZ, Grines CL: Measurement of absolute coronary blood flow using a standard angioplasty catheter. Presented at American College of Cardiology Meeting, New Orleans, LA, March, 1987; *JACC* 1987;9:69A
122. *Vogel RA*, Grines CL, McGillem MJ, Beauman GJ, Mancini GBJ: Impedance measurement of absolute coronary blood flow using a standard angioplasty catheter. *Clin Res* 1987;35:332A
123. Grines CL, Mancini GBJ, McGillem MJ, Gallagher KP, *Vogel RA*: Measurement of regional myocardial perfusion and mass using subselective hydrogen infusion and washout techniques: A validation study. *Clin Res* 1987;35:282A
124. *Vogel RA*, Grines CL, McGillem MJ, Beauman GJ, Mancini GBJ: Impedance measurement of absolute coronary blood flow using a standard angioplasty catheter. Presented at AFCR Meeting, San Diego, CA, May, 1987; *Clin Res* 1987;35:332A
125. Martin LW, Meijboom E, *Vogel RA*: Determination of coronary arterial diameter using impedance as measured by a standard angioplasty catheter. Presented at CSCR Meeting, Chicago, IL, November, 1987; *Clin Res* 1987;35:834A
126. *Vogel RA*, Grines CL, Mancini GBJ: Impedance measurement of coronary blood flow using a standard angioplasty catheter. Presented at American Heart Association Meeting, Anaheim, CA, November, 1987; *Circulation* 1987;76 (Suppl IV):IV-402
127. Martin LW, Zawodny R, *Vogel RA*: Impedance measurement of absolute arterial diameter using a standard angioplasty catheter. Presented at American College of Cardiology Meeting, Atlanta, GA, April, 1988; *JACC* 1988;11:130A

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129. *Vogel RA*, Gundry SR, Zoda AR, Stafford JL, Johnson RA, Tommaso CL: Supported angioplasty: Initial experience with high risk patients. Presented at Central Society for Clinical Research Meeting, Chicago, IL, November, 1988; *Clin Res* 1988;36:867A
130. *Vogel RA*, Tommaso CL, Stafford JL, Alikhan M, Gundry SR: Use of prophylactic semi-percutaneous cardiopulmonary bypass during aortic balloon valvuloplasty. Presented at Eastern Section, AFCR Meeting, New York, NY, October, 1988; *Clin Res* 1988;36:791A
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132. Martin LW, *Vogel RA*, Johnson RA, Englehardt M, Scott H: Impedance measurement of absolute blood flow using an angioplasty guidewire. Presented at American College of Cardiology Meeting, Anaheim, CA, March, 1989; *JACC* 1989;13:194A
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134. Tommaso CL, *Vogel RA*: Supported vs standby supported angioplasty. Presented at American Heart Association Meeting, New Orleans, LA, November, 1989; *Circulation* 1989;80(Suppl II):II-272
135. *Vogel RA*: Report of the National Registry of Elective Supported Angioplasty. Presented at American Heart Association Meeting, New Orleans, LA, November, 1989; *Circulation* 1989;80 (Suppl II):II-271
136. Martin LW, Englehardt M, Scott H, Beauman G, *Vogel RA*: Measurement of absolute coronary blood flow using an angioplasty guidewire and impedance techniques. Presented at American College of Cardiology Meeting, New Orleans, LA, March, 1990; *JACC* 1990;15:103A
137. *Vogel RA*: Comparison of radiographic density delivered by contrast agents injected under constant pressure. *Clin Res* 1990;38:809A
138. *Vogel RA*, Shawl FA: Report of the National Registry of Elective Supported Angioplasty: Comparison of the 1988 and 1989 results. Presented at American Heart Association Meeting, Dallas, TX, November, 1990; *Circulation* 1990;82(Suppl III):III-653
139. Tommaso CL, Deligonul U, Vogel JHK, *Vogel RA*: Angioplasty of the left main coronary artery: Results of the supported angioplasty registry. Presented at American Heart Association Meeting, Dallas, TX, November, 1990; *Circulation* 1990;82(Suppl III):III-654

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141. Teirstein PS, *Vogel RA*, Dorros G, Stertz SH, Vandormael MG, Smith SC, Overlie PA: Prophylactic vs standby cardiopulmonary support for high-risk PTCA. Presented at American Heart Association Meeting, Dallas, TX, November, 1990; *Circulation* 1990;82(Suppl III):III-680
142. *Vogel RA*: Outcome of cardiopulmonary bypass supported angioplasty in patients with severely compromised left ventricular function. Presented at American Heart Association Meeting, Anaheim, CA, November, 1991; *Circulation* 1991;84(Suppl II):II-132
143. Overlie PA, *Vogel RA*, O'Neill WW, Smith SC Jr., Mooney MR, O'Toole JD, Kern MJ, Freedman RJ Jr.: Emergency cardiopulmonary bypass: Report of the National Registry of Supported Angioplasty Participants. Presented at American Heart Association Meeting, Anaheim, CA, November, 1991; *Circulation* 1991;84(Suppl II):II-132
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145. Tommaso CL, Vogel JHK, *Vogel RA*: PTCA in the presence of left main disease: report from the Supported PTCA Registry. Presented at American Heart Association Meeting, Anaheim, CA, November, 1991; *Circulation* 1991;84(Suppl II):II-292
146. Beauman GJ, Reiber JHC, Koing G, *Vogel RA*. Variability between quantitative coronary arteriography care laboratories. Presented at American Heart Association Meeting, New Orleans, LA, November, 1992; *Circulation* 1992;86(Suppl I):I-120,
147. Klein JL, Manoukian SV, *Vogel RA*, Beauman GJ, Savage MP, Boccuzzi SJ, Weintraub WS. Computerized quantitative coronary arteriography: Performance standards and edge deflection. Presented at American Heart Association meeting, New Orleans, LA, November, 1992; *Circulation* 1992;86(Suppl I):I-121
148. *Vogel RA*. Elective supported angioplasty registry: Benefit of prophylactic cardiopulmonary bypass support in low ejection fraction patients. Presented at American Heart Association meeting, New Orleans, LA, November, 1992; *Circulation* 1992;86(Suppl I):I-787
149. *Vogel RA*, Vaitkevicius PV, Plotnick GD. Detection of coronary artery disease using ultrasound assessment of brachial artery endothelium dependent vasoactivity. Presented at American Heart Association Meeting, New Orleans, LA, November, 1992. *Circulation* 1992;86(Suppl I):I-871
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151. Faxon DP, *Vogel RA*, Yeh W, Jacobs AK, Detre K and the NHLBI PTCA Investigations. Visual angiographic readings are more predictive of a successful one year outcome than quantitative

- angiographic readings (NHLBI PTCA Registry). Presented at American College of Cardiology Meeting, Anaheim, CA, March 1993. *J Am Coll Cardiol* 1993;21:339A
152. *Vogel RA, Vaitkevicius PV, Plotnick GD.* Ultrasound Assessment of Brachial Artery Endothelium Dependent Vasoactivity as a Means for Diagnosing Coronary Artery Disease. Presented at American College of Cardiology meeting, Anaheim, CA, March 1993. *J Am Coll Cardiol* 1993;21:345A
153. Plotnick GD, Corretti MC, *Vogel RA.* Age reduces endothelium dependent vasodilatation independent of gender or cholesterol levels. Presented at American Heart Association meeting, Atlanta, GA, November 1993. *Circulation* 1993;88(Suppl I):I-370
154. Ziskind AA, Lauer MA, Portelli J, Lemmon CC, *Vogel RA.* Prospective comparison of coronary revascularization appropriateness algorithms: Improved clinical correlation using a new revascularization appropriateness score. *Clinical Research* 1994;42:227A.
155. Reiber JHC, Beauman GJ, Koning G, *Vogel RA.* Comparison of angiographic core laboratories and quantitative coronary arteriographic systems. Present at European Society of Cardiology Meeting, Berlin, Sept., 1994. *European Heart J* (in press)
156. Reiber JHC, Beauman GJ, Koning G, *Vogel RA.* Comparison of angiographic core laboratories and quantitative coronary arteriographic systems. Presented at Society for Cardiac Angiography and Interventions, Seattle, May, 1994
157. *Vogel RA, Lauer MA, Ziskind AA.* A new revascularization appropriateness score for coronary angioplasty and bypass surgery. Presented at AFCR Meeting, Baltimore, May, 1994. *Clin Res* 1994;42:290A
158. Corretti MC, Plotnick GD, *Vogel RA.* Temporal relationship between post-occlusion and flow-mediated dilatation in the brachial artery. Presented at AFCR Meeting, Baltimore, May, 1994. *Clin Res* 1994;42:160A
159. Corretti MC, Plotnick GD, *Vogel RA.* The effect of age and gender on endothelium-mediated responses is dependent on the stimulus. Presented at AFCR Meeting, Baltimore, May, 1994. *Clin Res* 1994;42:214A
160. Corretti MC, Plotnick GD, *Vogel RA.* Assessment of brachial artery vasoactivity: Lower arm versus upper arm occlusion technique. Presented at AFCR Meeting, Baltimore, May, 1994. *Clin Res* 1994;42:256A
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162. *Vogel RA, Lauer MA, Portelli J, Lemmon CC, Ziskind AA.* Disagreement between revascularization appropriateness scoring systems. A prospective clinical comparison of RAND Panel Ratings, ACC/AHA Guidelines and the University of Maryland Revascularization

- Appropriateness Score. Presented at American Heart Association Meeting, Dallas, November, 1994. *Circulation* 1994;90:I-42
163. Serebruany VL, Schlossberg ML, Gurbel PA, *Vogel RA*, Herzog WR. Effects of NPC 15669 on myocardial stunning and infarction size. Presented at American College of Cardiology Meeting, New Orleans, March, 1995. *JACC* 1995;25:116A
 164. Overlie PA, Shawl FA, *Vogel RA*, Mooney MR, Smith SC, Jr, Stertz S. Emergency cardiopulmonary support in cardiac arrest and cardiogenic shock. Presented at American College of Cardiology Meeting, New Orleans, March, 1995. *JACC* 1995;25:151A
 165. Lauer MA, Ziskind AA, Lemmon CC, *Vogel RA*. Computerization of the ACC/AHA guidelines for PTCA and CABG - Use of a relational database for comparison with RAND expert panel ratings and University of Maryland Revascularization Appropriateness Score (RAS). Presented at American College of Cardiology Meeting, New Orleans, March 1995. *JACC* 1995;25:238A
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 167. Corretti MC, Plotnick GD, *Vogel RA*. Risk factor modification improves flow-mediated brachial artery vasoactivity but not cold pressor vasoactivity in men with coronary artery disease. Presented at American College of Cardiology Meeting, New Orleans, March 1995. *JACC* 1995;25:337A
 168. Ziskind AA, Lauer MA, Lemmon CC, *Vogel RA*. Prospective application of RAND expert panel ratings, ACC/AHA guidelines, and the University of Maryland revascularization score (RAS): Only RAS predicts clinical outcomes. Presented at American College of Cardiology Meeting, New Orleans, March, 1995. *JACC* 1995;25:344A
 169. *Vogel RA*, Corretti MC, Plotnick GD. Brachial artery vasoactivity: cold pressor but not flow-mediated responses correlate with the presence of coronary artery disease. Presented at American College of Cardiology Meeting, New Orleans, March, 1995. *JACC* 1995;25:337A
 170. Overlie PA, Shawl FA, *Vogel RA*, Mooney MR, Smith SC Jr, Stertz S, Freedman RJ Jr. Does rapid institution of emergency cardiopulmonary support and short support time improve survival? Presented at American Heart Association Meeting, Anaheim, November, 1995. *Circulation* 1995;92:I-147
 171. Corretti MC, Plotnick GD, *Vogel RA*. Effect of treadmill exercise on flow-mediated brachial artery vasoactivity. Presented at ACC Annual Scientific Session, Orlando, March, 1996. *J Am Coll Cardiol* 1996;27:130A
 172. *Vogel RA*, Corretti MC, Plotnick GD. Lowering "desirable" cholesterol levels improves flow-mediated vasoactivity in healthy, middle-aged men. Presented at ACC Annual Scientific Sessions, Orlando, March, 1996. *J Am Coll Card* 1996;27:165A

173. Bishop GG, Lauer MA, *Vogel RA*, Ziskind AA. Does treatment concordance with revascularization appropriateness score predict long term outcome? A comparison of RAND panel ratings, ACC/AHA guidelines, and the University of Maryland Revascularization Score (RAS). Presented at ACC Annual Scientific Sessions, Orlando, March, 1996. *J Am Coll Cardiol* 1996;27:245A
174. Plotnick GD, Corretti MC, *Vogel RA*. Transient impairment of endothelium-dependent brachial artery vasoactivity following a fatty meal. Presented at ACC Annual Scientific Sessions, Orlando, March, 1996. *J Am Coll Cardiol* 1996;27:287A
175. Plotnick GD, Corretti MC, *Vogel RA*. Antioxidant vitamins blunt the transient impairment of endothelium-dependent brachial artery vasoactivity following a fatty meal. Present at AHA Annual Scientific Sessions, New Orleans, Nov. 1996, *Circulation* 1996;94:(Suppl 1) I-462
176. Overlie PA, Shawl FA, George BS, Ohman EM, Mooney MR, Freedman RJ, Teirstein PS, Smith SC Jr, Stertz S, *Vogel RA*. Cardiogenic shock: survival rates from the national registry for emergency cardiopulmonary bypass investigators. Presented at the ACC Annual Scientific Sessions, Anaheim, March, 1997, *J Am Coll Cardiol* 1997;29(Suppl A):398A
177. Hay JW, LaPuerta P, Leahy M, Yong Y, Ford I, Pitt B, *Vogel R*, Shepherd J. The cost effectiveness of pravastatin for primary prevention of coronary heart disease in the United States. Presented at the International Society of Technology Assessment in Health Care, Barcelona, May, 1997.
178. Gottlieb SS, *Vogel RA*. The effects of ACE inhibitors in high and low risk subgroups following MI. Presented at the American Heart Association Annual Scientific Sessions, Orlando, November, 1997, *Circulation* 1997;96(Suppl I):I-701
179. *Vogel RA*, Corretti MC, Plotnick GD. The mechanism of improvement in endothelial function by pravastatin: direct effect or through cholesterol lowering. Presented at the American College of Cardiology Annual Scientific Sessions, Atlanta, March, 1998, *J Am Coll Cardiol* 1998;31:60A
180. Gottlieb SS, McCarter R, *Vogel R*. Effect of beta-blockade on mortality in patients with contraindications post myocardial infarction. Presented at the American College of Cardiology Annual Scientific Sessions, Atlanta, March, 1998, *J Am Coll Cardiol* 1998;31:96A
181. *Vogel RA*, Corretti MC, Plotnick GD. The direct effect of components of the Mediterranean diet on endothelial function: olive oil, vitamins and fish. Presented at the American College of Cardiology Annual Scientific Sessions, New Orleans, March, 1999, *J Am Coll Cardiol* 1999;33:296A
182. *Vogel RA*, Corretti MC, Fisher AB, Plotnick GD. Comparison of the assessment of brachial artery vasodilation using upper and lower arm occlusion in subjects with and without risk factors. Presented at the American College of Cardiology Annual Scientific Sessions, New Orleans, March, 1999, *J Am Coll Cardiol* 1999;33:299A
183. *Vogel RA*, Corretti MC, Plotnick GD. The direct effect of canola, olive, and fish oils on endothelial function. Presented at the American College of Cardiology Annual Scientific Sessions, Anaheim, March, 2000, *J Am Coll Cardiol* 2000;35:288A

184. *Vogel RA, Mangano C.* A comparison of brachial artery stiffness and pulse pressure with Framingham cardiovascular risk. Presented at the American College of Cardiology Annual Scientific Sessions, Orlando, March, 2001, *J Am Coll Cardiol* 2001;37:297A
185. *Corretti MC, DeLeon YW, Mangano C, Vogel RA, Plotnick GD.* The acute effects of tea consumption with a high fat meal on flow-mediated brachial artery vasodilation in healthy individuals. Presented at the American College of Cardiology Annual Scientific Sessions, Atlanta, March, 2002, *J Am Coll Cardiol* 2002;39:218A,
186. *Miller M, Mangano C, Park Y, Goel R, Plotnick G, Vogel R.* Divergent effects of laughter and mental stress on endothelial function: Potential impact of entertainment. Presented at American College of Cardiology Annual Scientific Sessions, Orlando, March, 2005. *J Am Coll Cardiol* 2005;45:408A.
187. *Vogel RA, Nissen SE, Weiss RJ.* Endothelial function, low-density lipoprotein cholesterol, and moderate and intensive cholesterol lowering in coronary artery disease: A REVERSAL trial substudy. Presented at American College of Cardiology Annual Scientific Sessions, Orlando, March, 2005. *J Am Coll Cardiol* 2005;45:412A.
188. *Vogel RA, Ritter S, Purkayastha D, Gatlin M.* A double-blind, randomized study comparing the effects of amlodipine/Benazepril HCl vs amlodipine on blood pressure and endothelial function. Presented at American Society of Hypertension Meeting, San Francisco, CA, April, 2005. *Hypertension* 2005 (in press).
189. *Wilke R, Zhou S, Vogel R.* Differences in real-world cardiovascular event rates between atorvastatin and simvastatin new users when LDL-lowering is controlled. Presented at 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, Orlando, Feb-March 2007. *Circulation* (on line) (in press).
190. *Cheng YC, Pollin TI, Ryan K, Hines S, Vogel R, Mitchell BD, Shuldiner AR.* Genetic influences on inflammatory responses to a single high-fat meal in Old Order Amish population. Presented at 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, Orlando, Feb-March 2007. *Circulation* (on line) (in press).

MAJOR INVITED PRESENTATIONS

Harvard University, MGH, 1978
Johns Hopkins University, 1978
University of Washington, 1978
Cedars-Sinai Medical Center, Los Angeles, 1978
University of Utah Symposium, Snowbird, 1978
World Federation of Nuclear Medicine and Biology, San Diego, 1978
University of Michigan, 1979
Medical College of Ohio, 1980
University of Michigan (Grand Rounds), 1980
AHA, Annual Scientific Session, 1980
European Society of Cardiology, Vienna, 1982
University of Michigan (CPC), 1982
North American Society of Cardiovascular Radiology, San Francisco, 1982
AHA, Annual Scientific Sessions, 1982
Henry Ford Hospital, Detroit, 1983
University of Wisconsin (Grand Rounds), 1983
Providence Hospital, Brown University, 1983
University of Michigan (Grand Rounds), 1983
Hannover Medical School Symposium, Davos, 1983
ACC, Annual Scientific Sessions, 1983
AHA, Council on Circulation, Keystone, 1983
Wayne State University, 1983
Society of Cardiac Angiography, Atlanta, 1984
University of Rochester (Grand Rounds), 1984
Canadian Cardiovascular Society, Quebec, 1984
Montreal Heart Institute, 1984
ACC, Annual Scientific Sessions, 1984
Interamerican Congress of Cardiology, Vancouver, 1985
NYU (Grand Rounds), 1985
University of Arkansas (Grand Rounds), 1985
University of California, San Francisco, 1985
Hannover Medical School Symposium, Davos, 1985
Erasmus University, Thoraxcenter, Rotterdam, 1985
Miami Heart Institute (Grand Rounds & Visiting Professor), 1986
Stanford University Symposium, Monte-Carlo, 1986
University of Texas Medical Branch, Galveston (Grand Rounds), 1986
Hannover Medical School, West Germany, 1986
Christian-Albrechts University, Kiel, West Germany, 1986
Rush Memorial Hospital (Grand Rounds), Chicago, 1986
American College of Physicians, Annapolis, 1986
Texas Heart Institute (Grand Rounds), Houston, 1987
ACC National Meeting, 1987
Panamerican Congress Chest Diseases, Caracas, 1987
Hannover Medical School Symposium, Davos, 1987
University of Naples, 1987
University of Cologne, 1987

Erasmus University, Rotterdam, 1987
European Society of Cardiology, Santiago de Compastello, 1987
University of Maryland (Grand Rounds x 2), 1987
University of Maryland (Obstetrics/Gynecology Grand Rounds), 1987
University of Michigan, 1987
Johns Hopkins University, 1987
AHA National Meeting, 1987
University of Rochester (Grand Rounds), 1987
Santa Cruz Hospital Symposium, Lisbon, 1987
Cardiostim Symposium, Monaco, 1988
ACC National Meeting, 1988
Emory University, 1988
Allegheny Hospital, Pittsburgh, Visiting Professor, 1988
University of Maryland (Grand Rounds), 1988
University of Virginia (Grand Rounds), 1988
Ohio State University, Visiting Professor, 1988
Arizona Angioplasty Society, 1988
AHA, Annual Scientific Sessions, 1988
Hartford Hospital (Grand Rounds), 1988
Edgewater Hospital, Chicago (Grand Rounds), 1988
University of Maryland Symposium, Course Director, Anaheim, 1989
Texas Heart Institute, 1989
Baylor University Symposium, Acapulco, 1989
Sharp Memorial Hospital, San Diego, CA, 1989
AHA Symposium, Orlando, FL, 1989
Georgetown University Cardiology Symposium, Washington, D.C., 1989
Soc. of Cardiovascular Anesthesiology Plenary Session Presentation, Seattle, 1989
Cedars Sinai Symposium, Newport Beach, 1989
Massachusetts General Hospital (Grand Rounds), 1989
University of Rhode Island, RI, 1989
Erasmus University Rotterdam, 1989
Jefferson University, 1989
Charlotte Medical Center (Grand Rounds), 1989
William Beaumont Hospital, Detroit, 1989
York Hospital (Grand Rounds), 1989
San Francisco Heart Institute, 1989
Michigan State University, 1989
Winthrop University Hospital (Grand Rounds), Mineola, 1989
University of Oklahoma, 1989
Wake Forest University, 1989
University of Louisville, 1989
East Carolina University, 1989
Howard University, Washington, D.C., 1989
Medical College of Pennsylvania, Philadelphia, 1989
Tulane University, 1989
AHA Annual Scientific Sessions, 1989
Philadelphia College of Osteopathic Medicine, 1989
Georgetown University Symposium, Washington, D.C., 1989
Association University Cardiologists Meeting, New Orleans, 1990

Johns Hopkins University, Epidemiology (Grand Rounds), 1990
ACC Annual Scientific Sessions, New Orleans, 1990
Long Island Jewish Hospital, New York, 1990
Jefferson University, Philadelphia, 1990
Panamerican Congress Chest Disease Symposium, San Juan, 1990
Caribbean Cardiovascular Society, Antigua, 1990
University of Pennsylvania, Philadelphia, 1990
Pennsylvania State University, 1990
US - USSR NHLBI Scientific Exchange, Moscow & Leningrad, 1990
University of West Virginia, 1990
Seton Medical Center, 1990
Geisinger Medical Center (Grand Rounds), Danville, 1990
University of Louisville (Grand Rounds), 1990
Henry Ford Hospital (Grand Rounds), Detroit, 1990
William Beaumont Hospital (Grand Rounds), Royal Oak, 1990
University of Tennessee, Memphis, 1990
Milwaukee Cardiovascular Society Symposium, 1990
Sinai Hospital (Grand Rounds), Milwaukee, 1990
William Beaumont Hospital, Royal Oak, 1990
Baylor University, Denis Lecture, 1990
Scripps Clinic, 1990
Sunnybrook Hospital (Grand Rounds), Toronto, 1990
Presbyterian Medical Center, 1990
AHA Scientific Sessions, Dallas, 1990
Einstein Medical Center (Grand Rounds), Philadelphia, 1990
Christiana Hospital (Grand Rounds), Newark, 1990
Washington Hospital Center, 1990
Pennsylvania State University, 1990
ACC Heart House Symposium, Co-Director, 1991
Washington University, St. Louis (Grand Rounds), 1991
Minneapolis Heart Institute, 1991
Phoenix Cardiovascular Society, 1991
Society of Thoracic Surgeons Symposium, San Diego, 1991
Allegheny General Hospital (Grand Rounds), 1991
West Penn Hospital (Grand Rounds), 1991
ACC Annual Scientific Sessions, Invited Presentations, 1991
American College of Physicians, New York Chapter Symposium, 1991
Mayo Clinic (Grand Rounds), 1991
University of Minnesota (Grand Rounds), 1991
Venezuela Cardiovascular Society Symposium, 1991
Deborah Heart & Lung (Grand Rounds), 1991
European Society of Cardiology Symposium, Monaco, 1991
Harrisburg Hospital (Grand Rounds), 1991
Marshfield Clinic, 1991
University of Wisconsin (Grand Rounds), 1991
George Washington University, 1991
University of Rochester, 1991
Sunnybrook Hospital, Toronto, 1991
Medical College of Wisconsin (Grand Rounds), 1991

University of Nebraska, 1991
Washington University, 1991
University of Wisconsin, 1991
University of California, 1991
ACC Annual Scientific Sessions, 1991
Case Western University (Grand Rounds), 1991
Cleveland Clinic Hospital, Visiting Professor, 1991
SUNY, Buffalo, Visiting Professor, 1992
Presbyterian Hospital, Charlotte (Grand Rounds), 1992
ACC Heart House Symposium, Co-Director, 1992
Strong Memorial Hospital, Rochester, Visiting Professor, 1992
ACC, Annual Scientific Sessions, Invited Talk, 1992
Cleveland Clinic, Visiting Professor, 1992
Philadelphia Heart Institute, 1992
European Society of Cardiology Symposium, Monaco, 1992
Howard University, Grand Rounds, 1992
Canadian Cardiovascular Society Annual Scientific Sessions, Invited Debator, 1992
Association of N.Y. Fellows Symposium, 1992
AHA Oklahoma Affiliate Keynote Speaker, 1992
Medical University of South Carolina Symposium, 1992
Inter-American Congress of Cardiology, Invited Speaker, Orlando, 1992
University of Toronto Annual Symposium, 1992
University of Alabama, Montgomery, Visiting Professor, 1992
American College of Cardiology, Program Director, Heart House, 1993
American College of Cardiology Annual Scientific Sessions, Invited talks, 1993
Robert Wood Johnson (Grand Rounds), 1993
Cooper Hospital, 1993
Philadelphia Heart Institute, 1993
International Conference of Heart Failure, Geneva, 1993
European Society of Cardiology, Monaco Workshop Interventional Cardiology, 1993
University of British Columbia Visiting Professor, 1993
Puerto Rico Society of Cardiology, Puerto Rico, 1993
Presbyterian Medical Center (Cardiology Grand Rounds), Philadelphia, 1993
Scripps Clinic, 1993
New York Academy of Medicine Symposium, Syracuse, 1993
University of Michigan (Cardiology Grand Rounds), 1993
Temple University (Cardiology Grand Rounds), 1993
Jefferson University (Cardiology Grand Rounds), 1993
University of Maryland (Grand Rounds), 1993
Walter Reed Hospital (Grand Rounds), 1993
University of Oklahoma, 1993
ACC Heart House Program (Director), 1994
ACC Annual Scientific Sessions, Invited Speaker, Atlanta, 1994
University of Virginia Hospital (Grand Rounds), 1994
Robert Wood Johnson Medical Center (Grand Rounds), 1994
University of Kansas Hospital (Grand Rounds), 1994
University of Oklahoma Hospital (Grand Rounds), 1994
National Association of Chest Pain ER's Meeting, Savannah, 1994
Australia and New Zealand Cardiac Society, Invited Speaker, 1994

University of Sydney, Invited Speaker, 1994
Texas Tech Medical Center (Grand Rounds), 1994
West Roxbury VA Hospital (Grand Rounds), 1994
European Society of Cardiology Meeting, Invited Speaker, Berlin, 1994
University Hospital, Cleveland (Grand Rounds), 1994
University of Pennsylvania Hospital (Grand Rounds), 1994
International Atherosclerosis Society, Invited Speaker, Montreal, 1994
MetroHealth Medical Center, Cleveland, Visiting Professor, 1994
AHA Annual Scientific Sessions, Invited Speaker, 1994
Cincinnati Lipid Club, 1994
New Jersey Medical School (Grand Rounds), 1995
Mt. Sinai Hospital, Cleveland, Visiting Professor, 1995
Heart House Interventional Cardiology Course, Director, 1995
Yale-New Haven Medical Center, New Haven (Grand Rounds), 1995
University of California, Davis, (Grand Rounds), 1995
St. Luke's Hospital, Kansas City (Grand Rounds), 1995
University of North Carolina, Chapel Hill (Grand Rounds), 1995
International Heart Failure Symposium, Cannes, Invited Speaker, 1995
St Luke's-Roosevelt Hospital, New York (Grand Rounds), 1995
Atlantic City Medical Center (Grand Rounds), 1995
Medical College of Virginia, Richmond (Grand Rounds), 1995
AHA Annual Meeting, San Juan, Invited Speaker, 1995
Hartford Hospital Symposium, 1995
Cleveland Clinic, Visiting Professor, 1995
Baylor Medical Center, Houston, Visiting Professor, 1995
Washington County Hospital, Grand Rounds, 1996
Frederick Memorial Hospital, Grand Rounds, 1996
Texas Heart Institute (Grand Rounds), 1996
Cleveland Clinic Symposium, 1996
ACC Annual Scientific Sessions, Invited Presentation, 1996
Washington Adventist Hospital Symposium, 1996
Society for Cardiac Angiography and Intervention, Invited Presentation, 1996
Christ Hospital Symposium, Cincinnati, 1996
McMaster University (Grand Rounds), 1996
Franklin Square Hospital (Grand Rounds), 1996
University of Michigan Symposium, West Yellowstone, 1996
Krannert Institute, University of Indiana (Grand Rounds), 1996
Christianna Hospital Symposium, 1996
South African Cardiac Society, Invited Speaker, 1996
Heart Institute of Spokane (Grand Rounds), 1996
Rose Memorial Hospital, Denver (Grand Rounds), 1996
AHA Annual Scientific Sessions, Invited Presentation, 1996
Delaware Valley Lipid Society Symposium, 1996
Georgetown University, Visiting Professor, 1996
Vascular Biology Working Group, Orlando, Invited Presentation, 1997
Hershey Medical Center (Grand Rounds), 1997
Diagnostic Clinic of Houston (Grand Rounds), 1997
ACC Annual Scientific Sessions, Invited Presentation, 1997
St. Joseph's Hospital, Baltimore (Grand Rounds), 1997

Emory University Symposium, 1997
University of Pittsburgh Symposium, 1997
Cottage Hospital, Santa Barbara (Grand Rounds), 1997
Mount Carmel Hospital, Columbus (Grand Rounds), 1997
Caribbean Cardiovascular Society, Bahamas, 1997
Methodist Hospital Symposium, Aspen, 1997
Vascular Biology Working Group, Whistler, B.C., 1997
St. Peters Medical Center, Grand Rounds, 1997
Deborah Hospital Symposium, Deborah, 1997
Mercy Hospital, Baltimore, Grand Rounds, 1997
Lehigh Valley Hospital, Allentown, Grand Rounds, 1997
George Washington University, Grand Rounds, 1997
William Beaumont Hospital, Royal Oak, Grand Rounds, 1997
AHA Annual Scientific Sessions, Orlando, Invited Presentation, 1997
Mercy Hospital, Scranton, Grand Rounds, 1997
ACC Symposium, Williamsburg, 1997
ACC Symposium, Snowmass, 1998
St. Luke's Hospital, New York, Grand Rounds, 1998
Yale University, Grand Rounds, 1998
University of Florida Symposium, 1998
Duke University Symposium, Beaver Creek, 1998
ACC Symposium, Hawaii, 1998
Northwestern University, Grand Rounds, 1998
ACC Annual Scientific Sessions, Atlanta, Invited Presentation, 1998
University of Maryland Symposium, Puerto Rico, 1998
University of Minnesota, Grand Rounds, 1998
Ohio State University Symposium, 1998
Emory University Symposium, Orlando, 1998
Vascular Biology Working Group, Banff, 1998
Methodist Hospital Symposium, Aspen, 1998
Episcopal Hospital, Philadelphia, Grand Rounds, 1998
Chief Medical Residents Symposium, Puerto Vallarta, 1998
Transcatheter Therapeutics Meeting, Invited Speaker, Washington, DC, 1998
Hahneman University, Grand Rounds, 1998
University of Minnesota, Cardiology Grand Rounds, 1998
University of Michigan Symposium, Dallas, 1998
Beth Israel Hospital, Newark, Grand Rounds, 1998
St. Vincent's Hospital, New York, Medical and Cardiology Grand Rounds, 1998
New York University, Grand Rounds, 1998
Rush-Presbyterian Hospital, Grand Rounds, 1998
Evanston Hospital, Grand Rounds, 1998
MetroHealth Hospital, Cleveland, Grand Rounds, 1999
ACC Symposium, Snowmass, 1999
University of Florida Symposium, Hawaii, 1999
University of New Mexico, Grand Rounds, 1999
Winthrop University Hospital, Grand Rounds, 1999
North Shore Hospital, Great Neck, Grand Rounds, 1999
ACC Annual Scientific Sessions, Invited Presentations, 1999
Methodist Hospital, Philadelphia, Grand Rounds, 1999

Cedars-Sinai Medical Center, Los Angeles, Grand Rounds, 1999
University North Carolina, Cardiology Grand Rounds, 1999
York Hospital, Grand Rounds, 1999
Robert Wood Johnson University Symposium, Grand Rounds, 1999
Union Memorial Hospital, Baltimore Grand Rounds, 1999
University of Virginia, Cardiology Grand Rounds, 1999
St. Peters Hospital, New Brunswick, Grand Rounds, 1999
Temple University, Cardiology Grand Rounds, 1999
Lahey Clinic, Grand Rounds, 1999
Dartmouth-Hitchcock Hospital, Cardiology Grand Rounds, 1999
New England Medical Center, Cardiology Grand Rounds, 1999
Bethlehem Medical Center, Grand Rounds, 1999
Riverside Hospital, Columbus, Grand Rounds, 1999
Cleveland Clinic, Cardiology Grand Rounds, 1999
University of Massachusetts, Cardiology Grand Rounds, 1999
Baptist Hospital Symposium, Aspen, 1999
Johns Hopkins University, Cardiology Grand Rounds 1999
Cleveland Clinic, Grand Rounds, 1999
NIH Conference, Bethesda, 1999
University of Miami, Grand Rounds, 1999
Detroit Medical Center, Grand Rounds, 1999
William Beaumont Hospital, Cardiology Grand Rounds, 1999
Henry Ford Hospital, Grand Rounds, 1999
University of Kentucky, Grand Rounds, 1999
American Heart Association Annual Scientific Sessions, Invited Speaker
Columbia-Presbyterian Hospital, Grand Rounds, 1999
Arizona Cardiovascular Society Symposium, Phoenix, 1999
Maryland General Hospital, Grand Rounds, 1999
American College of Cardiology Symposium, Snowmass, 2000
Long Island Jewish Hospital, Grand Rounds, 2000
North Shore Medical Center, Grand Rounds, 2000
SUNY Stony Brook, Grand Rounds, 2000
American College of Cardiology Symposium, Hawaii, 2000
University of North Carolina, Cardiology Grand Rounds, 2000
Case Western Reserve University, Cardiology Grand Rounds, 2000
Cleveland Clinic, Grand Rounds, 2000
American College of Cardiology Annual Scientific Sessions: "State-of-the-Art Lecture"
Peninsula Medical Center, Salisbury, Grand Rounds, 2000
ACC Heart House Symposium, Bethesda, 2000
Graduate Hospital, Philadelphia, Grand Rounds, 2000
North Arundel Hospital, Baltimore, Grand Rounds, 2000
ACC Heart House Symposium, Bethesda, 2000
Peninsula Medical Center, Salisbury, Grand Rounds, 2000
University of Alabama, Cardiology Grand Rounds, 2000
University of Iowa, Cardiology Grand Rounds, 2000
Riverside Hospital, Columbus, Grand Rounds, 2000
European Society of Cardiology, Invited Speaker, Amsterdam, 2000.
Cleveland Clinic Symposium, Orlando, 2000
Allegheny General Hospital, Pittsburgh, Grand Rounds, 2000

St. Joseph Hospital, Baltimore, Grand Rounds, 2000
ACC New York Chapter Symposium, New York, 2000
University of New Mexico Symposium, Santa Fe, 2000
Ohio State University Symposium, Columbus, 2000
University of North Carolina, Cardiology Grand Rounds, 2000
University of Kentucky, Grand Rounds, 2000
AHA Nutritional Council, Invited Speaker, Crystal City, 2000
DC General Hospital, Grand Rounds, 2000
Mayo Clinic, Grand Rounds, 2000
University of Virginia, Cardiology Grand Rounds, 2000
Rush Presbyterian Hospital, Chicago, Grand Rounds, 2000
Fredrick Memorial Hospital, Grand Rounds, 2001
Robert Wood Johnson Medical School, Grand Rounds, 2001
Kentucky Medical Society, Invited Speaker, 2001
ACC Symposium, Snowmass, 2001
ACC Symposium, Hawaii, 2001
University of Indiana, Cardiology Grand Rounds, 2001
St. Vincent Hospital Symposium, Toledo, 2001
Society of Atherosclerosis Imaging Symposium, San Diego, 2001
Columbia University, Grand Rounds, 2001
ACC Annual Scientific Sessions, Invited Speaker, 2001
Bayview-Hopkins Medical Center, Endocrinology Grand Rounds, 2001
Aspen Valley Hospital, Grand Rounds, 2001
Lutheran Hospital, Denver, Grand Rounds, 2001
University of Arkansas, Cardiology Grand Rounds, 2001
University of Indiana, Cardiology Grand Rounds, 2001
Baptist Medical Center, Birmingham, Grand Rounds, 2001
University of Virginia, Cardiology Grand Rounds, 2001
Graduate Hospital, Philadelphia, Cardiology Grand Rounds, 2001
Providence Hospital, D.C., Grand Rounds, 2001
University of Florida, Grand Rounds, 2001
Orlando Regional Medical Center, Grand Rounds, 2001
Evanston Hospital, Grand Rounds, 2001
Christiana Hospital, Delaware, Grand Rounds, 2001
National Medical Association Annual Scientific Sessions, Invited Speaker, 2001
Union Memorial Hospital, Grand Rounds, 2001
Laurel Regional Hospital, Grand Rounds, 2001
Good Samaritan Hospital, Baltimore, Grand Rounds, 2001
AHA Annual Scientific Sessions, Anaheim, Invited Speaker, 2001
St. Joseph's Hospital, Denver, Grand Rounds, 2001
Baylor University, Winter's Lectures, 2001
University of Texas, Houston, Grand Rounds, 2001
St. Joseph's Hospital, Baltimore, Grand Rounds, 2001
Suburban Hospital, Bethesda, Grand Rounds, 2001
ACC Symposium, Snowmass, 2002
ACC Symposium, Hawaii, 2002
ACC Annual Scientific Sessions, Invited Speaker, 2002
University of Arkansas, Cardiology Grand Rounds, 2002
ACC Heart House Symposium, 2002

Stanford University Symposium, 2002
Mercy Hospital, Baltimore, Grand Rounds, 2002
Orlando Regional Medical Center, Grand Rounds, 2002
Hartford Hospital, Grand Rounds, 2002
ACC Symposium, Santa Fe, 2002
COSEHC Annual Meeting, Invited Speaker, 2002
Carolina Regional Hospital Symposium, 2002
Southern Medical Society Annual Meeting, Invited Speaker, 2002
American Dietetics Association Annual Meeting, Invited Speaker, 2002
AHA Annual Scientific Sessions, Invited Speaker, 2002
Carroll County Hospital, Grand Rounds, 2002
AHA Texas Chapter, Invited Speaker, 2002
ACC Symposium, Williamsburg, 2002
ACC Symposium, Snowmass, 2003
University of Virginia, Cardiology Grand Rounds, 2003
ACC Symposium, Orlando, 2003
Vanderbilt University, Grand Rounds, 2003
Medical College of Virginia, Cardiology Grand Rounds, 2003
ACC Symposium, Hawaii, 2003
Harford Memorial Hospital, Grand Rounds, 2003
University of Texas-Houston Symposium, 2004
University of Maryland Annual Internal Medicine Update, Director, 2003
Medical University of South Carolina Symposium, 2003
Porter Memorial Hospital, Denver, Grand Rounds, 2003
St Peter's University Hospital, Grand Rounds, 2003
St Johns Hospital Symposium, Canada, 2003
Forsyth Medical Center, Winston-Salem, Grand Rounds, 2003
Baylor University-Dallas, Grand Rounds, 2003
ACC Alternative Medicine Symposium, Hawaii, Co-Director, 2003
Mid-America Heart Institute Symposium, Kansas City, 2003
St Joseph's Hospital, Denver, Grand Rounds, 2003
George Washington University, Cardiology Grand Rounds, 2003
Georgetown University, Cardiology Grand Rounds, 2003
ACC Symposium, Snowmass, 2004
ACC Symposium, Hawaii, 2004
Mercy Hospital, Baltimore, Grand Rounds, 2004
St. Joseph's Hospital, Baltimore, Grand Rounds, 2004
Harbor Hospital, Baltimore, Grand Rounds, 2004
Georgetown University, Grand Rounds, 2004
University of Maryland Annual Internal Medicine Update, Director, 2004
Union Memorial Hospital, Baltimore, Grand Rounds, 2004
Nazareth Hospital, Grand Rounds, 2004
North Arundel Hospital, Baltimore, Grand Rounds. 2004
Abington Memorial Hospital, Bellet Memorial Lecture, 2004
Forsyth Memorial Hospital, Greensboro, Grand Rounds, 2004
Columbia University Symposium, NY, 2004
Boulder Medical Center, Grand Rounds, 2004
Colorado Chapter ACC, 2004
Brookwood Army Hospital, Grand Rounds, 2004

Montgomery Hospital, Grand Rounds, 2004
Temple University, Grand Rounds, 2004
Alleghany Hospital, Grand Rounds, 2004
Prince William Hospital Symposium, Manassas, 2004
UMDNJ, Grand Rounds, 2004
Methodist Hospital, Philadelphia, Grand Rounds, 2005
ACC Conference, Snowmass, 2005
Holy Cross Hospital Cardiology Symposium, Ft. Lauderdale, 2005
Emory University, Cardiology Grand Rounds, 2005
Frederick Memorial Hospital, Grand Rounds, 2005
Maryland ACP Annual Scientific Sessions, 2005
ACC Conference, Hawaii, 2005
Long Island College Hospital, Grand Rounds, 2005
Christianna Hospital Symposium, Newark, DE, 2005
ACC Chapter Symposium, Newport News, 2005
Santa Rosa Hospital Symposium, 2005
Sinai Hospital, Baltimore, Grand Rounds, 2005
University of Maryland Annual Internal Medicine Update, Director, 2005
Buffalo General Hospital Symposium, 2005
St. Josephs Hospital, Baltimore, Grand Rounds 2005
Maryland ACP Meeting, Rehobeth, MD, 2005
Pottsdam Memorial Hospital, Grand Rounds, 2005
Massachusetts General Hospital, Cardiology Grand Rounds, 2005
Boston University Hospital, Grand Rounds, 2005
Mercy Hospital, Pittsburg, Grand Rounds, 2005
Maryland General Hospital, Baltimore, Grand Rounds, 2005
University of Virginia, Cardiology Grand Rounds, 2005
New York University Symposium, 2005
University of Texas Houston Symposium, 2005
New York Medical College, Grand Rounds, 2005
Beth Israel, New York, Grand Rounds, 2005

TAB 20

CURRICULUM VITAE
Joseph Farrell Waeckerle, MD, FACEP

PERSONAL DATA

Residence: 4601 West 143 Street
Leawood, KS 66224
Telephone 913-402-9000
Fax 913-402-9001

Business: President
ACES, PA
4601 West 143 Street
Leawood, KS 66224
Telephone (913) 402-9002
Fax (913) 402-9001
Email wack@acespc.com

Birth date/Place: June 20, 1946 - Kansas City, Missouri

Family: Wife: Cynthia Taylor Waeckerle
Children: Candice Ann, b. August 23, 1974
Jeffry Farrell b. June 11, 1977
Chase Farrell b. October 4, 1989
Blake Taylor b. April 22, 1991
Garrett Taylor b. September 17, 1992

EDUCATION

1960 - 1964 Rockhurst High School, Kansas City, Missouri
1964 - 1968 University of Kansas (B.A.)
1967 - 1968 World Campus Float, Chapman College, Orange, California

GRADUATE MEDICAL EDUCATION

1968 - 1972 University of Missouri, Columbia, Missouri (M.D.)
1972 - 1973 Orthopedic Resident (First Year), Akron City Hospital, Akron, Ohio
1973 - 1975 Emergency Medicine Residency, Kansas City General Hospital, Kansas City, Missouri

GRADUATE EDUCATION

1991 - 1992 Exercise Physiology, Masters Program, University of Kansas (not completed)

LICENSURE

1973 State of Missouri #34809
1977 State of California #C37814
1994 State of Kansas #25062
1994 State of Colorado #33592

BOARD CERTIFICATION

- 1980 Diplomat, American Board of Emergency Medicine, Parts I and II, #780687
- 1989 Recertification, American Board of Emergency Medicine #780687
- 1995 Board Certified, Sports Medicine, American Board of Emergency Medicine, #780687
- 1998 Recertification, American Board of Emergency Medicine #780687

PROFESSIONAL TITLES

Senior Vice-President, Work Dynamics, Inc., Leawood, Kansas, 2006-Present

Advisor, HRSA and George Washington University, RFTOP No. 06-N234-5532-dp, *Characteristics of Successful Training for Bioterrorism Training and Curriculum Development*. 2006-2007

Chairman, Department of Emergency Care, Menorah Medical Center, Kansas City, Missouri, 1994 - 2006

Senior Advisor, Surgeon General of the United States, 2001 -2003

Chairman, Department of Emergency Medicine, Baptist Medical Center, Kansas City, Missouri, 1980 -2005

Chief, Department of Emergency Medicine, Research Medical Center, 2001 - 2005

Fellow, American College of Emergency Physicians, 1982 - Present

Medical Officer, Kansas City Division, Federal Bureau of Investigation, 1999-Present

Medical Officer, Joint Terrorism Task Force, Kansas City Division, Federal Bureau of Investigation, 2002-Present

Medical Officer, SWAT Team, Kansas City Division, Federal Bureau of Investigation, 1999-present

Medical Officer, Kansas City, Missouri, Police Department, 1998 – Present

Vice Chairman, Department of Emergency Health Services, Truman Medical Center, University of Missouri - Kansas City School of Medicine, Kansas City, Missouri, 1976 - 1979

Chairman, Department of Emergency Health Services, Truman Medical Center East, University of Missouri-Kansas City School of Medicine, Kansas City, Missouri

ACADEMIC APPOINTMENTS

Clinical Professor, University of Missouri - Kansas City School of Medicine, 1988 - Present

Clinical Professor, Department of History and Philosophy of Medicine, University of Kansas Medical Center, 1989 - 1994

Clinical Associate Professor, University of Missouri - Kansas City School of Medicine, 1980 - 1987

Assistant Professor, University of Missouri - Kansas City School of Medicine, 1975 - 1979

Chief Resident, Department of Emergency Health Services, Kansas City General Hospital and Medical Center, 1974

Instructor, Department of Emergency Health Services, Kansas City General Hospital and Medical Center, University of Missouri - Kansas City School of Medicine, 1973 - 1975

Instructor, Emergency Medical Training Program (A.A.S. degree program), Penn Valley Community College, Kansas City, Missouri 1973 - 1975

Instructor, Paramedic Education Program (Emergency Medical Technicians II), Mid-America Regional Council for Emergency Rescue, Inc., 1974 - 1979

HOSPITAL APPOINTMENTS

2001 - Present Research Medical Center
2001 - 2007 Research Belton Medical Center
1995 - 2001 Trinity Lutheran Hospital
1994 - Present Menorah Medical Center
1979 - 2005 Baptist Medical Center, Kansas City, Missouri
1972 - 2006 Children's Mercy Hospital, Kansas City, Missouri
1972 - Present Truman Medical Center, Kansas City, Missouri
1972 - 1990 Truman Medical Center East, Kansas City, Missouri

SERVICES TO JOURNALS and EDITORIAL BOARDS

Annals of Emergency Medicine

EDITOR EMMERITUS 2002 - Present

EDITOR IN CHIEF, 1989 - 2002

Associate Editor, 1981 - 1985

Section Editor, 1985 - 1988

Editorial Board, 1977 - 1981

New England Journal of Medicine

Reviewer, 1991 - Present

Journal of the American Medical Association

Reviewer, 1984 - Present

Physician and Sports Medicine

Department Editor, 1990 - 1992

Editorial Board, 1990 - 1992

Reviewer, 1989 - 1992

EMERGINDEX

Consulting Board, 1980 - 1990

Urban Medicine

Editorial Board, 1986 - 1988

Critical Decisions in Emergency Medicine

Assistant Editor, 1987 - 1988

PROFESSIONAL AND SCHOLARLY SOCIETY MEMBERSHIPS

1974 - Present Society for Academic Emergency Medicine
1974 - Present American College of Emergency Physicians
Lifetime Emergency Medicine Residents Association
1986 - Present American College of Sports Medicine
1980 - Present American Medical Association
1996 - Present National Association of EMS Physicians
1980-Present Metropolitan Medical Society
1996-Present Johnson County Medical Society
1983 - Present Emergency Physicians Foundation of Kansas City
1976- 2002 American Heart Association, Missouri Affiliate Chapter
1977 - 1988 Undersea Medical Society
1980 - 1983 Society of Critical Care Medicine
1982 - 2002 Kansas City Sports Medicine Roundtable
1985 - 2000 Physician Athletes Association
1991 - 1998 American Medical Society for Sports Medicine
1975 - 1980 Jackson County Medical Society

SERVICES TO NATIONAL PROFESSIONAL AND SCHOLARLY SOCIETIES

American College of Emergency Physicians

Director, National Board of Directors, 1981 - 1984

- * Disaster Preparedness and Response Committee, 2007-Present
- * Terrorism Response Task Force 2002
- * Chair, Taskforce on Domestic Preparation Against Weapons of Mass Destruction 1998, 1999, 2000, 2001
- * Liaison Representative In Disaster Medicine 1997, 1998, 1999
- * College Issues and Planning Committee, 1975 - 1978
- * Region IV Director For Continuing Medical Education 1976 - 1979
- * Chair, Continuing Medical Education Committee, 1979 - 1981
- * Scientific Meetings Committee, 1979 - 1981, 1985 - 1988
- * State Councilor for Missouri, 1980 - 1981, 1984 - 1986
- * Scientific Review Committee, 1984 - 1986
- * Chairman, Scientific Assembly, Scientific Papers Committee, 1984 - 1988
- * Liaison, American College of Sports Medicine, 1987 - 1990
- * Chairman, Wellness Committee, 1988 - 1989
- * Chairman, Wound Care Task Force, 1988 - 1989

- * International Meetings Committee, 1988, 1990, 1992, 1996
- * Research Forum Committee, 1996 - Present

Society for Academic Emergency Medicine (Formerly University Association for Emergency Medicine)

President, 1981 - 1982

President-Elect, 1980 - 1981

Program Chairman, 1978 - 1980

- * Resident Liaison to the Executive Committee, 1974
- * Executive Committee, 1974 - 1975
- * Graduate Education Committee, 1975
- * Local Arrangements Committee, 1975 - 1976
- * Nominating Committee, 1976 - 1977, 1988 - 1990
- * Disaster Medicine Task Force, 1994 - 1996

American Board of Emergency Medicine

- * Representative, Joint Committee for Development of Guidelines for Certification in Sports Medicine, 1990 - 1993
- * Examiner, 1980 - 1991, 2001 - 2004
- * Committee Member, In-service Training Exam 1984 - 1986
- Team Leader, 1984 - 1991

Joint Commission on Accreditation of Healthcare Organizations

Roundtable on Emergency Preparedness, 2001-2006

Emergency Medicine Foundation

Honorary Member, 1990

Director, Board of Directors, 1985 - 1990

- * Executive Committee, Board of Directors, 1986 - 1990

Society of Critical Care Medicine

- * Liaison Committee on Emergency Medicine, 1985 - 1986

Liaison Residency Endorsement Committee, Residency Review Committee of the American Medical Association

- * Senior Site Surveyor, 1978 - 1985

American College of Sports Medicine

- * Liaison Committee on Team Physicians, 1987 - 1989

United States Olympic Committee, Sports Medicine Division

- * Committee on the Disabled Athlete, 1984 - 1986

Society for Teachers of Emergency Medicine

Director, Board of Directors, 1978 - 1979

- * Chairman, Public Education Committee, 1978 - 1979
- * Nominating Committee, 1979 - 1980

Association of American Medical Colleges, National Library of Medicine, Division of Educational Resources and Programs

- * Avline Reviewer, 1978 - 1985

SERVICES TO LOCAL AND REGIONAL PROFESSIONAL AND SCHOLARLY SOCIETIES

Emergency Physicians Advisory Board

Kansas City, Missouri Emergency Medical System
2005-2006

Council of Medicare & Medicaid Services Region, Region VII Advisory Committee,
Physician Representative, 1998 - 2006

Medical Advisory Committee, Mid-America Regional Council
Co-Chair 2002-2005

Regional Homeland Security Coordinating Committee, Mid-America Regional Council
2001-2005

Metropolitan Medical Response System, Kansas City Metropolitan Community College
Steering Committee 2000 - 2002

Emergency Physicians Foundation of Kansas City
President, 1995 - 1999
Executive Committee 1993 - 1995

Metropolitan Ambulance Service Trust (Emergency Medical System of Kansas City)
Trustee, Board of Trustees, 2000 - 2004
Trustee, Board of Trustees, 1987 - 1991
Medical Director, 1976 - 1979

Johnson County Medical Society
EMS Committee, 1997 -2005

Johnson County EMS Council
1996 - 2005

Leawood Fire Department
Medical Director, 1996 - 2007

City of Raytown
Medical Director, 1995-2001

Missouri State Chapter of the American College of Emergency Physicians
Director, Board of Directors, 1980 - 1982
Program Committee, 1978 - 1979
Council Delegate, 1985 - 1988

State Board of Registration for the Healing Arts, State of Missouri
Professional Liability Review Board, 1978 - 1979

Jackson County Medical Society
Emergency Medical Care Committee, 1980 - 1981

Kansas City Chapter of the American Heart Association
Director, Board of Directors, 1980 - 1981
Co Chair, Metro Stroke Task Force of Kansas City, 1998-2000

Kansas City Safe Initiative
Executive Council 2001 - 2002

ACHIEVEMENTS AND AWARDS

Letter of Commendation, Robert S. Mueller, III, Director
Federal Bureau of Investigation, 2007

Life Fellow
American College of Emergency Physicians, 2005

Leadership Award
Society of Academic Emergency Medicine, 2004

James D. Mills Outstanding Contribution to Emergency Medicine Award
American College Of Emergency Physicians, 2002

Ingram's Magazine
Top Doctors of Kansas City, 2001

Kansas City Blues Rugby Football Club
Hall of Fame, 2001

Department of Justice
Federal Bureau of Investigation
Kansas City Division
Medal of Service, 2002
Certificate of Appreciation, 1997

Missouri Senate Resolution No. 789
In Recognition of Dedicated Service to his Fellow Citizens
Missouri Senate, 1997

Herbert H. Virden, M.D. Dedicated Physician Award for Outstanding Service
Baptist Medical Center Medical Staff, 1994

Joseph F. Waeckerle Founder's Award (First Annual)
For extraordinary and lasting contribution
Emergency Medicine Residents Association, 1992

Proclamation by Emmanuel Cleaver, II, Mayor of Kansas City, MO, that the 21st day of November 1991 is to be Dr. Joseph F. Waeckerle Day in Kansas City, Missouri to commemorate his years of devotion and service to improving patient care and saving lives, 1991

Metropolitan Ambulance Service Trust - In recognition for dedicated service as a Trustee and Medical Director, 1991

Governors Salute to Excellence, State of Maryland for Outstanding Humanitarian Effort for Citizens of Kuwait, 1991

Certificate of Recognition, Medical Staff, Baptist Medical Center, 1990

Honorary Member, Emergency Medicine Foundation, 1990

Honorable Mention, Outstanding Faculty Award, American College of Emergency Physicians, 1989

"1987 Teacher of the Year," Goppert Family Practice Residency, Baptist Medical Center, 1987

University Association for Emergency Medicine - Micromedex Best Clinical Science Paper Award, "A Prospective Study Identifying the Efficacy of Clinical Findings and the Sensitivity of Radiographic Findings in

Carpal Navicular Fractures," presented at the University Association for Emergency Medicine Annual Scientific Meeting, May, 1986

Award for Outstanding Service, University Association of Emergency Medicine, 1985

Commendation for Dedicated Service, Council of the American College of Emergency Physicians, 1984

Director, Board of Directors, Kansas Special Olympics, 1981 - 1984

Pat O'Neil Award, Kansas City Blues Rugby Club, 1982

Fellow, American College of Emergency Physicians, 1982 - Present

First Responder Award, American Trauma Society, In recognition of heroic efforts as the Chief Medical Officer for rescue/triage of the Hyatt skywalk collapse, 1982

National Faculty, American College of Emergency Physicians, 1979 - 1992

Certificate of Appreciation, American College of Emergency Physicians, 1977 - 1980

Certificate of Appreciation, Emergency Medicine Residents Association, 1977

Lederle Pharmacy Faculty Award for "The Clinical Pharmacist in the Emergency Department," 1976

SPECIAL INTEREST: SPORTS MEDICINE

Committee on Grants, National Football League Charities, 1999-Present

Committee on Mild Traumatic Brain Injury, National Football League, 1995 - Present

Consultant in Emergency and Sports Medicine, Kansas City Chiefs Football Club, 1996 - Present

ACEP Representative to the Inter-Association Task Force for Appropriate Care of the Spine-Injured Athlete, 1999-2001

Medical Director, Division of Health Promotion and Wellness, Health Midwest, 1993 - 2000

Club Physician, Kansas City Chiefs Football Club, 1993 - 1995

Team Physician in Emergency & Sports Medicine, Kansas City Chiefs Football Club, 1990 - 1992

Team Physician, Athletic Department, University of Missouri - Kansas City, 1991 -2000

American Board of Emergency Medicine Representative to Liaison Committee to Establish Fellowship Criteria and Certification Exam in Sports Medicine, 1990 - 1993

Medical Advisory Committee, Special Olympics International, 1992 - 1998

Medical Officer, Special Olympics Delegation to the Games of the XXIV Olympiad, Seoul, Korea, 1988

President, Western United States Rugby Football Union, 1987 - 1989

Medical Officer, United States of America Rugby Football Union, 1986 - 1991

Chief Medical Officer, Western United States Rugby Football Union, 1986 - 1991

Medical Officer, Heart of America Rugby Union, 1976 - 1992

Team Physician, Kansas City Blue Rugby Club, 1979 - Present

Medical Director, Big Brothers High School All-Star Football Game, 1975 - 1985

Team Physician, Southwest High School, Kansas City, Missouri, 1978 - 1979

Team Physician, Greater Kansas City High School All-Star Basketball Game, 1981 - 1984

Handicap Ski Instructor, Winter Park, Colorado, 1981 - 1984

Medical Director, Baptist Medical Center Triathlon, 1983 - 2002

Medical Director, Macy's Marathon, 1982 - 1985

Medical Consultant, Hospital Hill Run, 1982 - 1991

Medical Director, Heart of America Rugby Tournament, 1984 - 2000

SPECIAL INTEREST: DISASTER MEDICINE/DOMESTIC PREPAREDNESS

Medical Officer, SWAT Team, Kansas City Division, Federal Bureau of Investigation, 2000 - Present.

Medical Officer, Joint Terrorism Task Force, Kansas City Division, Federal Bureau of Investigation, 2002-Present.

Medical Officer, Kansas City Division, FBI, Winter Olympics, Salt Lake City, Utah 2002

Terrorism Preparedness Expert Panel, Joint Commission on Accreditation of Health Care Organizations 2001 - 2006

Infraguard - Kansas City, Mo., Executive Council, 2001 -2003

National Domestic Preparedness Office, Federal Bureau of Investigation. State and Local Advisory Group, August 9, 2000 - September 30, 2002.

Defense Science Board, Department of Defense. Task Force on Biologic Weapons, 2000 - 2001.

Technical Advisory Committee on Domestic Preparedness, Veterans Hospital Administration, 2000 - 2002.

Member, First Responders Committee, Governor's Panel on Homeland Security, State of Missouri, 2001 - 2002

Advisor, Bioterrorism Preparedness & Response Program, CDC, 2000 - 2001

Member, Subject Matter Expert Panel on National Pharmaceutical Stockpile, CDC, 1998, 1999, 2002

Chair, Task Force of Health Care and Emergency Services Professionals on Preparedness for Nuclear, Biological and Chemical Incidents. American College of Emergency Physicians and Office of Emergency Preparedness, Department of Health and Human Services. 1998-2001.

Liaison Representative in Disaster Medicine, American College of Emergency Physicians, 1997 - 2002.

Emergency Medical Technician Certification - Tactical, 1996

Disaster Medicine Task Force, Society for Academic Emergency Medicine,

Chair, Disaster Research Subcommittee, 1994 - 1995

Invited Faculty and Program Chair, International Disaster Conference, Florida College of Emergency Medicine, 1982, 1991-2002

National Faculty, Medical Planning and Management of Disasters, American College of Emergency Physicians, 1991, 1992

Member, Maryland International Health Task Force to Kuwait, 1991

Disaster Medical Assistance Team, New Mexico Chapter of National Disaster Medical System, 1990 - Present

Medical Officer in Charge of Medical Response Teams, M.A.S.T. Disaster Plan, 1983 - 1986

Executive Committee, Section on Disaster Medicine, American College of Emergency Physicians, 1988 - 1996.

Member, World Association of Emergency Medicine and Disaster Medicine, 1985

SPECIAL INTEREST WOUND CARE

Consultant in Emergency Medicine, Marion Laboratories, Wound Care Division, 1987 - 1990

Proceedings Editor, Wound Care Symposium, Annals of Emergency Medicine, December 1988

Program Chairman, Wound Care 1988, Winter Symposium of the American College of Emergency Physicians, San Diego, California

Chairman, Task Force on Wound Care, American College of Emergency Physicians, 1988 - 1989

PRESENTATIONS

POSTERS

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- U.S. House of Representatives, Committee on Energy and Commerce, Subcommittee on Oversight and Investigations. "A Review of Federal Bioterrorism Preparedness Programs from a Public Health Perspective", October 20, 2001.
- U.S. Senate Committee on Appropriations, Subcommittee on Commerce, Justice, State, and Judiciary, "An Evaluation of Current Domestic Preparedness Planning", written testimony.
- House of Representatives Committee on Government Reform, Subcommittee on National Security, Veterans Affairs, and International Relations. "Terrorism Preparedness: Medical First Response". September 22, 1999
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Waeckerle JF: Immediate on Site Care of Head and Neck Injuries. Physician and Sports Medicine, 1990.

Baxter C, Waeckerle JF: Emergency Treatment of Burn Wounds. Wound Care Division, Marion Labs, 1987.

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GRANTS/FUNDING

\$5,000. Wound Care Division, Marion Labs, 1988.

\$5,000. Wound Care Division, Marion Labs, 1989

INVITED GRAND ROUNDS, LECTURES, PRESENTATIONS

Available upon request.

TAB 21

Curriculum Vitae**Peter W. F. Wilson, M.D.****Work**

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Background Information

Born in New Haven, Connecticut, October 13, 1948
 Married to Peggy S. Lindsey, M.D., Clinical Associate Professor of Ophthalmology,
 Medical University of South Carolina, Charleston, SC

Education and Certification

- a) B.S. Yale College, 1970
- b) M.D. Univ. of Texas Medical School at San Antonio, 1974
- c) Diplomate of American Board of Internal Medicine 1977, Advanced Achievement in Internal Medicine 1987
- d) Certified in Endocrinology and Metabolism, American Board of Internal Medicine 1981
- e) Licensed to practice medicine in Maryland 1978, Massachusetts 1983, South Carolina 2003
- f) Special Purpose Examination (SPEX) certified 2004.

Postgraduate Medical Training

- a) Medical Internship, Duke Medical Center, 1974-5
- b) Medical Jr. Assistant Residency, Duke Medical Center, 1975-6
- c) Clinical Endocrinology Fellowship, Duke Medical Center, 1976-7
- d) Medical Sr. Assistant Residency, Duke Medical Center, 1977-8
- e) Staff Associate in Epidemiology, National Heart, Lung, and Blood Institute, Bethesda, MD 1978-80

Postgraduate Medical Employment

- a) Medical Officer in Clinical and Genetic Epidemiology Section, Division of Heart and Vascular Diseases, National Heart, Lung, and Blood Institute, Bethesda, MD 1980-1983 and Framingham, MA 1983-1999
- b) Assistant Professor of Medicine, Uniformed Services University of the Health Sciences, 1982-1983
- c) Temporary Adviser to the World Health Organization for Multinational Study of Vascular Disease in Diabetes, 1981
- d) Director of Laboratories, Framingham Heart Study, Framingham, MA 1983-
- e) Lecturer in Preventive Medicine and Epidemiology, Harvard Medical School, 1984-1995
- f) Clinical Associate Professor of Medicine, Tufts University School of Medicine 1987-1999
- g) Adjunct Assistant Professor of Medicine, Baylor College of Medicine, 1991-1992
- h) Associate Professor of Medicine, Boston University School of Medicine 1994-1999
- i) Professor of Medicine, Boston University School of Medicine 2000-2003)
- j) Program Director, General Clinical Research Center, Medical University of South Carolina 2003-2005

l) Professor of Medicine, Medical University of South Carolina 2003-2006

m) Vice Chair of Medicine (Research), Medical University of South Carolina 2005-2006

n) Professor of Medicine (Cardiology Section), Professor of Public Health (Global Health Section), Emory University, Atlanta, GA 2006-

Postgraduate Medical Education

a) Epidemiology 1, Johns Hopkins School of Public Health, 1978

b) Epidemiology Summer session, Univ. of Minnesota, 1979 taking courses in cardiovascular epidemiology, genetics and epidemiology, and advanced statistical techniques

c) Epidemiology 2, Johns Hopkins School of Public Health, 1980

d) Short Course in Mammalian and Human Genetics, Bar Harbor, ME, 1980

e) Fellow at 14th International Ten Day Course-Cardiovascular Epidemiology, Heidelberg, W. Germany, 1981

Honors and Awards

a) Pauerstein Merit Scholarship Award by Medical School faculty for performance during third year of medical school b) Mosby Scholarship Book Award for top five ranking students during fourth year of medical school c) Alpha Omega Alpha honor medical society d) U.S. Public Health Service-- Citation Award (1989), Commendation Medal (1994) e) Who's Who in America (2000) f) ISI Highly Cited author [Clinical Medicine] for 1983-2003 g) Association of American Physicians 2005

Professional Societies and Committees

a) Professional member American Diabetes Association

b) Member, American College of Physicians

c) Fellow, Epidemiology Council, American Heart Association

d) American Heart Association--Prevention Conference (1988), Cholesterol Facts (1989), Special Study section (1989), Massachusetts Cholesterol Task Force (1993-1999)

e) Editorial Board, Atherosclerosis, Thrombosis, and Vascular Biology (2000-2002)

f) Fellow, North American Association for the Study of Obesity (2000-)

Licensure

Massachusetts (#56404, effective 1990)

South Carolina (#26554, effective 2003)

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Author or co-author of more than 450 scientific articles

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TAB 22

CURRICULUM VITAE

PERSONAL DATA

Name: Edward Michael Wojtys, M.D.
Title: Professor of Surgery, Department of Orthopaedic Surgery
Medical Director, MedSport
Chief, Sports Medicine Service, Department of Orthopaedic Surgery

EDUCATION

1966-1970 St. Mary's Preparatory High School, Orchard Lake, Michigan
1970-1971 Air Force Academy, Colorado Springs, Colorado;
honorable discharge
1971-1974 University of Michigan, Ann Arbor, Michigan; B.S.
1975-1979 University of Michigan, Ann Arbor, Michigan; M.D.

POSTDOCTORAL TRAINING

07/79-06/80 University of Michigan, Ann Arbor, Michigan; Internship
(Surgery)
07/80-06/81 University of Michigan, Ann Arbor, Michigan; Assistant
Resident (General Surgery)
07/81-06/84 University of Michigan, Ann Arbor, Michigan; Resident
(Orthopaedic Surgery)
07/84-06/85 Cincinnati Sportsmedicine and Orthopaedic Center, Cincinnati;
Ohio Fellowship (Frank Noyes, M.D.)

ACADEMIC APPOINTMENTS

08/85-07/89 Instructor in Surgery, University of Michigan Medical School
07/89-07/91 Assistant Professor, Department of Surgery, University of
Michigan Medical School
07/91-07/97 Associate Professor, Department of Surgery, University of
Michigan Medical School
07/97- Professor, Department of Surgery, University of Michigan Medical
School
07/97- Medical Director, MedSport, University of Michigan Medical School
07/04- Chief, Sports Service, Department of Orthopaedic Surgery, University of
Michigan

CONSULTING POSITIONS

1986-2000 University of Michigan Athletic Department; Team Physician
1984- St. Joseph Mercy Hospital (Ann Arbor, Michigan)
1984-1990 Veterans Administration Medical Center (Ann Arbor, Michigan)
1993-1996 Hillsdale College Athletic Department (Hillsdale, Michigan)
1986-1988 University Health Service (Ann Arbor, Michigan)
1986-1988 Northville-Novu Colts (Northville, Michigan)

- 1991-1992 National Collegiate Athletic Association Drug Testing Program
 1985-1986 Sigma Alpha Epsilon, University of Michigan (Ann Arbor, Michigan)
 1998-2000 Veterans Administration Medical Center (Ann Arbor, Michigan)

SCIENTIFIC ACTIVITIES

Editorial Boards

- 1992-2004 *American Journal of Sports Medicine*
 1993-2004 *American Journal of Knee Surgery*
 1996-1999 *Arthroscopy: The Journal of Arthroscopic and Related Surgery*
 1999-2004 *Physician and Sports Medicine*
 1999-2004 *Sports Medicine Digest*
 2003-2004 *Orthopaedics Today*
 2004- *The Journal of Bone and Joint Surgery*

Reviewer

- 1991-2004 *Arthroscopy : The Journal of Arthroscopic and Related Surgery*
 1991-2004 *The Journal of Orthopaedic and Sports Physical Therapy*
 1994-2004 *The Journal of Orthopaedic Research*
 1995-1996 American Association for the Advancement of Science, "Kinetic City Super Crew" Radio Program for Children
 1995-2004 *Journal of Biomechanical Engineering*
 1995-2004 *Journal of Biomechanics*
 2005- *Journal of Knee Surgery, Sports Traumatology, Arthroscopy*

Associate Editor

- 2004- *The Journal of Bone and Joint Surgery*

Editor

- 2000-2001 *Clinical Challenges in Osteoarthritis and Viscosupplementation, CME Case-Based Self-Study for Orthopaedic Surgeons*

GRANT SUPPORT

- American Heart Association of Michigan Student Research Fellowship, 5% effort; 1986-87 (\$1,638)
- | | |
|-----------------------------------|---------|
| Michigan Knee Brace Project; 1987 | \$1,000 |
| Analog Orthotics Unlimited, Inc. | \$1,000 |
| Camp International, Inc. | \$1,000 |
| DonJoy | \$1,000 |
| Generation II Orthotics, Inc. | \$1,000 |
| Innovation Sports | \$1,000 |
| J.E. Hanger, Ltd. | \$1,000 |
| Omni Scientific, Inc. | \$1,000 |
| Orthopaedic Technology, Inc. | \$1,000 |
| Prosthetics & Orthotics | \$1,000 |
| Townsend Industries, Inc. | \$1,000 |
| U.S. Manufacturing | \$2,000 |

- Domino's International, Instructional film on baseball sliding injuries; May, 1987 (\$2,500)
- University of Michigan Department of Surgery Research Grant, "The Effect of Intense Athletic Training on the Immature Spine,"; November, 1990 (\$5,000)
- University of Michigan Department of Surgery Research Grant, "The Effect of Intense Athletic Training on the Immature Spine,"; 1/91-12/91 (\$9,360)
- Michigan Knee Brace Project, May 1991
- | | |
|-------------------------------|---------|
| Analog Orthotics, Inc. | \$1,000 |
| Bledsoe Brace Systems, Inc. | \$5,000 |
| Generation II Orthotics, Inc. | \$5,000 |
| Smith and Nephew DonJoy, Inc. | \$5,000 |
| Talon - Sutter, Inc. | \$5,000 |
| 3M | \$5,000 |
| Townsend Industries, Inc. | \$5,000 |
- Arthroscopy Association of North America Research Foundation Grant, "The Relationship of Substance P to Knee Joint Pain, Inflammation and Degenerative Disease,"; 5/91-5/92 (\$20,000)
- Orthopaedic Research and Education Foundation, "The Effect of Intense Athletic Training on the Immature Spine,"; 1/92-12/92 (\$9,360)
- Michigan Knee Brace Project, Bledsoe Brace Systems, Inc.; May, 1993 (\$5,000)
- University of Michigan Department of Surgery Research Grant, "The Effect of Intense Athletic Training on the Immature Spine"; 7/94-6/96 (\$98,000)
- University of Michigan Department of Surgery Research Grant, "Association Between the Menstrual Cycle and ACL Injuries in Female Athletes: A Validation Study," 7/98-6/00 (\$42,692)
- NFL Charities Grant, "ACL Injury Mechanisms," 1/02-12/03 (\$100,000)
- National Athletic Trainers Association Grant, "The Effects of Estrogen on Motoneuron Activity in Knee Joint Laxity," 06/02-06/03 (\$66,226)
- NFL Charities Grant, "ACL Injury Mechanisms," 1/04-7/05 (\$82,000)

Current

- Orthopaedic Department Internal Grant, "ACL Injury Mechanisms," 5/06-5/15 (\$24,500)
- NFL Charities Grant, "The Effect of Geographic Bone Bruises on Biological Markers and MRI Findings of Osteoarthritis after Anterior Cruciate Ligament Injury," 01/06-01/07 (\$125,000)
- National Institutes of Health, "Effect of Component Impulsive Loading on Relative ACL Strain," 4/07-03/10 (\$887,245), 05/11/07-02/28/10 (\$261,440)

Submitted

- UM Medical School Clinical Research Program, "The Effect of Athletic Training on the Body Composition and Hormone Profile of Female High School Athletes," Submitted December, 06 (\$175,080)

UM CTSA Pilot Grant, "The Role of Hormones in Neuromuscular Performance and Musculoskeletal Joint Stability" submitted May, 07 (\$92,933)
 National Institutes of Health, "Engineered Scaffold-less Bone-Ligament Constructs for Tissue Regeneration" submitted June 1, 2007

CERTIFICATION AND LICENSURE

1988-2008 American Board of Orthopaedic Surgery
 1984-1988 State of Ohio (50224)
 1984-1988 State of Kentucky (23124)
 1980- State of Michigan (042837)

MILITARY SERVICE

1970-1971 U.S. Air Force Academy

HONORS AND AWARDS

1970 Higher Education Scholar (State of Michigan)
 1970 University of Michigan Regents Scholarship
 1972 Alpha Rho Honor Society
 1982 Galens Medical Society Medical Student Teaching Award
 1987 Society of Manufacturing Engineers
 1989 Excellence in Research Award (Epidemiology), American Orthopaedic Society for Sports Medicine (Janda DH, Wojtys EM, Hankin FM, Hensinger RN)
 1989 Asian Traveling Fellowship, American Orthopaedic Society for Sports Medicine
 1990 Richard O'Connor Research Award, Basic Science Research, Arthroscopy Association of North America (\$2,500 Award)
 1990 Asian Traveling Fellowship Host, American Orthopaedic Society for Sports Medicine
 1992 O'Donoghue Sports Injury Research Award, American Orthopaedic Society for Sports Medicine (\$2,500 Award)
 1992 Asian Traveling Fellowship Host, American Orthopaedic Society for Sports Medicine
 1996 Excellence in Research Award, American Orthopaedic Society for Sports Medicine (\$1,000 Award)
 1997-2005 *Best Doctors in America*, Woodward/White, Inc.
 1997-2005 *Strathmore's WHO'S WHO*
 1999 Finalist - Hughston Award, *American Journal of Sports Medicine*
 2000 O'Donoghue Sports Injury Research Award, American Orthopaedic Society for Sports Medicine (\$2,500 Award)
 2001-2006 The American Orthopaedic Association
 2004 Appointment to American Orthopaedic Society for Sports Medicine Board of Directors
 2004 Guest Speaker, International Cartilage Symposium and 29th Annual Japan Knee Society, Hiroshima, Japan, February 12-14, 2004
 2004 Appointment to *The Journal of Bone and Joint Surgery* Board of

	Directors
2005	International Society of Biomechanics Clinical Biomechanics Award Finalist
2005	American Society of Biomechanics Research Award Finalist
2006	Excellence in Research Award, American Orthopaedic Society for Sports Medicine (\$1,500 Award)

MEMBERSHIPS AND OFFICES IN PROFESSIONAL SOCIETIES

1983-1990	Washtenaw County Medical Society
1983-1990	Michigan State Medical Society
1984-	University of Michigan Alumni Society
1984-	University of Michigan Orthopaedic Alumni Society
1985-	Michigan Orthopaedic Society
1985-	Orthopaedic Research Society
1986-1990	Detroit Orthopaedic Society
1987-	International Society of the Knee
1988-	American Orthopaedic Society for Sports Medicine
1989-	American Academy of Orthopaedic Surgeons
1990-2004	Arthroscopy Association of North America
1990-	Herodicus Society
1992-1995	Mid-America Orthopaedic Association
2001-2005	American Orthopaedic Association

TEACHING ACTIVITIES

University of Michigan

Weekly Sports Medicine Research Meetings for Graduate and Medical Students
 Monthly Sports Medicine Teaching Conference for Residents

COMMITTEE AND ADMINISTRATIVE SERVICE

National

1983-1985	American Medical Association (Michigan delegation), Resident Physician Chairman
1991-1993	Arthroscopy Association of North America, Research Committee (Head of Research Grants Section)
1988-1990	Big Ten Conference Drug Education Committee
1989-1992	State of Michigan Senate Committee on Public Health -Anabolic Steroids in Sports
1989-1992	American Academy of Orthopaedic Surgeons-American Orthopaedic Society for Sports Medicine, Educators Committee
1992-1998	American Academy of Orthopaedic Surgeons, Committee on Sports Medicine
1996-1998	Chairman, American Orthopaedic Society for Sports Medicine, Research Committee
1992-1998	American Orthopaedic Society for Sports Medicine, Research Committee
1992-1998	American Orthopaedic Society for Sports Medicine, Traveling Fellowship Committee

- 1993-1998 American Orthopaedic Society for Sports Medicine, Council of Delegates, Michigan Representative
- 1993-1995 American Orthopaedic Society for Sports Medicine, Council of Delegates, Subcommittee on Social and Economic Affairs
- 1993-1995 Board of Directors, American Orthopaedic Society for Sports Medicine
- 1996-2001 American Orthopaedic Society for Sports Medicine, Program Committee
- 1993-1996 Orchard Lake Schools, Board of Regents
- 1993-1996 St. Mary's Preparatory, Board of Trustees
- 1995-1998 Arthroscopy Association of North America, Committee of State Representatives
- 1996-1998 Chairman, Arthroscopy Association of North America, Research Committee
- 1996-1997 Arthroscopy Association of North America, Committee on Committees
- 1996-1998 FSMER Board of Trustees and Chairman, FSMER Peer Review Committee
- 1997-2002 American Orthopaedic Society for Sports Medicine, Program Committee
- 1998-1999 Chairman, American Orthopaedic Society for Sports Medicine, Program Committee
- 1997-2001 Chairman, Arthroscopy Association of North America, Data Retrieval and Analysis Committee
- 1997-1998 Arthroscopy Association of North America, Learning Center Committee
- 1998-1999 Elected Secretary/Treasurer, Herodicus Society
- 1998- National Football League, Injury and Safety Panel Committee
- 1999-2000 American Orthopaedic Society for Sports Medicine, Nominating Committee
- 2000-2001 American Academy of Orthopaedic Surgeons, Updated Research Committee
- 2001-2003 Arthroscopy Association of North America, Data Retrieval and Analysis Committee
- 2001- NIAMS - National Institutes of Health Grant Review Committee
- 2001-2002 Secretary, International Study Group on Proprioception
- 2001-2002 Executive Board, Herodicus Society
- 2003- Transplantation Society of Michigan Tissue Committee
- 2004- American Orthopaedic Society for Sports Medicine Research Committee
- 2004-2005 American Board of Orthopaedic Surgery, Sports Medicine Question Writing Task Force Committee
- 2004-2006 Board of Directors, American Orthopaedic Society for Sports Medicine
- 2004-2005 Herodicus Society Executive Committee, At-Large

- 2004- NIAMS-National Institutes of Health Study Section
 2004- Elected to Board of Trustees, Northfield Township (4 Year Term)
 2005- Chairman, NIH-NIAMS Observational Study Monitoring Board (OSMB)
- 2005- American Academy of Orthopaedic Surgeons Curriculum Committee Task Force
 2005- American Orthopaedic Society for Sports Medicine Research Network Task Force, Chairman 2006
 2005- American Orthopaedic Society for Sports Medicine Pediatric ACL Treatment Study Group
 2006-2010 American Orthopaedic Society for Sports Medicine Hall of Fame Committee
 2007- American Orthopaedic Society Allograft Task Force
 2007- American Academy of Orthopaedic Surgeons Committee on Team Physicians
 2007-2008 Herodicus Society Executive Committee
 2007- School Board, Gabriel Richard High School, Ann Arbor, Michigan

University of Michigan

- 1986-1988 University of Michigan Medical School Medico-Legal Committee
 1993- University of Michigan Medical School, Admissions Committee
 1994- 1997 University of Michigan, Minimally Invasive Surgery Committee
 1995- 2001 University of Michigan Athletic Department, Medical Oversight Committee
 2000-2006 University of Michigan Department of Orthopaedic Surgery OSLA Committee
 2000- Secretary-Treasurer, University of Michigan Orthopaedic Alumni Society
 2004-2006 Orthopaedic Research Advisory Committee
 2004- University of Michigan ACOC Committee

EXTRAMURAL INVITED PRESENTATIONS

- "Patella Baja Syndrome," invited seminar on Athletic Injuries to Knee and Shoulder, Cincinnati Sportsmedicine Course for Physicians and Trainers, Cincinnati, Ohio, September 20-22, 1985.
- "Patella Infera Syndrome," invited moderator, speaker, anatomy instructor, American Academy of Orthopaedic Surgeons - Athletic Injuries to the Knee, Hilton Head Island, South Carolina, May 20-24, 1986.
- "Isokinetic Training, Testing and Problems," invited seminar on Objective Evaluation of Physical Agents in Rehabilitation of Musculoskeletal Problems, American Academy of Orthopaedic Surgeons, American Orthopaedic Society for Sports Medicine, Chicago, Illinois,

December 12, 1986.

- "Current Trends in Arthroscopic Reconstructive Knee Surgery," invited moderator and discussor, Collier Penberthy Thirlby Medical Conference, Traverse City, Michigan, July 30, 1987.
- "Modalities in Rehabilitation and Therapeutic Exercise," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons, American Orthopaedic Society for Sports Medicine, Palm Desert, California, June 14, 1988.
- "Functional Bracing of the ACL Deficient Knee" and "Magnetic Resonance Imaging of the Knee Joint," invited speaker and moderator, Western Pacific Orthopaedic Association, Yokohama, Japan, July 6, 1989.
- "Softball Injuries," invited speaker, Japanese Orthopaedic Society for Sports Medicine, Sapporo, Japan, July 13, 1989.
- "Patella Infera Syndrome," invited speaker, Japanese Orthopaedic Society for Sports Medicine, Sapporo, Japan, July 14, 1989.
- "Substance P Innervation of the Human Knee Joint," invited speaker, Hong Kong University, Hong Kong, China, July 16, 1989.
- "Substance P," invited speaker, Arthroscopy Study Group, Kentucky Lake, Tennessee, May 20-23, 1991.
- "Functional Knee Bracing" visiting professor, Ohio State University Department of Surgery Grand Rounds, Columbus, Ohio, March 5, 1993.
- "Patella Infera Syndrome," visiting professor, Ohio State University Department of Surgery Grand Rounds, Columbus, Ohio, March 5, 1993.
- "Functional Knee Bracing," visiting professor, University of Pittsburgh Medical Center, Center for Sports Medicine Grand Rounds, Pittsburgh, Pennsylvania, October 27, 1993.
- "What Happens to the Knee When you Run, Jump or Cut?," invited seminar on The Athlete's Knee, American Academy of Orthopaedic Surgeons, Marco Island, Florida, December 9-12, 1993.
- "Bracing of the Knee," invited seminar on The Athlete's Knee, American Academy of Orthopaedic Surgeons, Marco Island, Florida, December 9-12, 1993.

- "Reflex Sympathetic Dystrophy," invited seminar on The Athlete's Knee, American Academy of Orthopaedic Surgeons, Marco Island, Florida, December 9-12, 1993.
- "Functional Knee Bracing," invited guest speaker, Hughston Sports Medicine Foundation, Columbus, Georgia, December 13, 1993.
- "Bracing for Cruciate Insufficiency," invited seminar on Sports Medicine - 1994, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-8, 1994.
- "Meniscus Repair," invited seminar on Sports Medicine - 1994, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-8, 1994.
- "Causes of Pain in the Anterior Knee," invited seminar on Sports Medicine - 1994, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-8, 1994.
- "Rehabilitation of the PF Pain Patient," invited seminar on Sports Medicine - 1994, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-8, 1994.
- "Neurologic Problems in the Anterior Knee (RSD, Neuroma)," invited seminar on Sports Medicine - 1994, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-8, 1994.
- "Functional Knee Bracing," visiting professor, University of Miami Department of Orthopaedics and Rehabilitation Grand Rounds, Coral Gables, Florida, March 17, 1994.
- "ACL Functional Knee Braces," invited seminar on Sports Medicine 1994, Lovelace Medical Center and the Lovelace Clinic Foundation, Santa Fe, New Mexico, July 14-17, 1994.
- "Meniscal Allograft Replacement," invited seminar on Sports Medicine 1994, Lovelace Medical Center and the Lovelace Clinic Foundation, Santa Fe, New Mexico, July 14-17, 1994.
- "What Happens to the Knee when you Run, Jump or Cut," invited seminar on Sports Medicine 1994, Lovelace Medical Center and the Lovelace Clinic Foundation, Santa Fe, New Mexico, July 14-17, 1994.
- "Reflex Sympathetic Dystrophy," invited seminar on Sports Medicine 1994, Lovelace Medical Center and the Lovelace Clinic Foundation, Santa Fe, New Mexico, July 14-17, 1994.

- "Knee Joint Physiology," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-9, 1995.
- "ACL Functional Bracing," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-9, 1995.
- "Reflex Sympathetic Dystrophy," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-9, 1995.
- "Meniscal Replacement," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-9, 1995.
- "Patellofemoral Rehabilitation Considerations," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, January 5-9, 1995.
- "Advances in Tendon and Ligament Biology," invited moderator and discussor, Orthopaedic Research Society, Orlando, Florida, February 13, 1995.
- "The Clinical Evaluation of the ACL Deficient Degenerative Knee," invited speaker, American Orthopaedic Society for Sports Medicine, Orlando, Florida, February 19, 1995.
- "Early Results with Allograft Meniscal Replacement," invited guest speaker, Arthroscopy Association of North America, Orlando, Florida, February 19, 1995.
- "ACL Surgery and Post-Operative Functions Bracing," invited discussor, American Academy of Orthopaedic Surgeons, Orlando, Florida, February 20, 1995.
- "Knee Physiology," invited guest speaker, Bay Area Knee Society, San Francisco, California, March 9, 1995.

- "Physiology: Function of Hyaline Cartilage and Menisci" invited seminar, Pennsylvania Orthopaedic Society, Williamsburg, Virginia, April 5-8, 1995.
- "Functional Knee Bracing--Does It Work?" invited seminar, Pennsylvania Orthopaedic Society, Williamsburg, Virginia, April 5-8, 1995.
- "Meniscal Allograft," visiting professor, The Union Memorial Hospital Grand Rounds, Baltimore, Maryland, April 21, 1995.
- "Knee Braces in Sports," visiting professor, The Union Memorial Hospital Grand Rounds, Baltimore, Maryland, April 21, 1995.
- "Patella Infera Syndrome," visiting professor, West Virginia University Grand Rounds, Morgantown, West Virginia, April 28-29, 1995.
- "Reflex Sympathetic Dystrophy," visiting professor, West Virginia University Grand Rounds, Morgantown, West Virginia, April 28-29, 1995.
- "Current Concepts in ACL Bracing," visiting professor, West Virginia University Grand Rounds, Morgantown, West Virginia, April 28-29, 1995.
- "ACL Insufficiency with Osteoarthritis Treatment Considerations," visiting professor, West Virginia University Grand Rounds, Morgantown, West Virginia, April 28-29, 1995.
- "Meniscal Transplantation," visiting professor, West Virginia University Grand Rounds, Morgantown, West Virginia, April 28-29, 1995.
- "Clinical Use of Meniscal Irradiated Allografts," invited speaker, International Symposium on Bone and Soft Tissue Allografts, Musculoskeletal Transplant Foundation, Washington, DC, April 29-30, 1995.
- "Meniscal Transplantation," invited moderator and discussor, Arthroscopy Association of North America, San Francisco, California, May 4-7, 1995.
- "Neuromuscular Control," invited faculty, 1995 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 28-31, 1995.
- "ACL Treatment Rules, Braces and Surgical Indicators," invited faculty, 1995 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine

Research and Educational Foundation, Hilton Head Island, South Carolina, May 28-31, 1995.

"What Happens to the Knee with Running, Jumping, Pivoting," invited faculty, 1995 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 28-31, 1995.

"How I Treat Acute and Chronic ACL Ruptures," invited faculty, 1995 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 28-31, 1995.

"The Epidemiology of Anterior Cruciate Ligament Injuries: What Do We Know?," invited faculty, Current Concepts of the Knee, Western Orthopaedic Association, Squaw Valley, California, January 25-28, 1996.

"Shock Absorption in the Lower Extremity," invited faculty, Current Concepts of the Knee, Western Orthopaedic Association, Squaw Valley, California, January 25-28, 1996.

"Anterior Cruciate Ligament Function Bracing: Does It Work?," invited faculty, Current Concepts of the Knee, Western Orthopaedic Association, Squaw Valley, California, January 25-28, 1996.

"Functional Bracing of the Knee," visiting professor, Baylor University Medical Center Grand Rounds, Houston, Texas, January 31, 1996.

"Diagnosis and Treatment of the Stiff and Painful Knee: RSD, Patella Infera, and Arthrofibrosis," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons, Atlanta, Georgia, February 22-26, 1996.

"The Effect of Functional Knee Bracing on Neurosensory Function in the Lower Extremity in a Group of ACL Deficient Subjects," invited discussor, American Academy of Orthopaedic Surgeons, Atlanta, Georgia, February 22-26, 1996.

"Neuromuscular Function in the Lower Extremity," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, American Orthopaedic Society for Sports Medicine, Phoenix, Arizona, March 14-17, 1996.

- "Patellar Rehabilitation," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, American Orthopaedic Society for Sports Medicine, Phoenix, Arizona, March 14-17, 1996.
- "Varus Knees with Cruciate Ligament Injuries," course co-chairman and faculty, Comprehensive Sports Medicine Course on the Knee and Lower Extremity, American Orthopaedic Society for Sports Medicine, Phoenix, Arizona, March 14-17, 1996.
- "Scientific Session: ACL," invited moderator and discussor, Arthroscopy Association of North America, Washington, DC, April 11-14, 1996.
- "Neuromuscular Function in the Lower Extremity," visiting professor, Yale Sports Medicine Center Grand Rounds, New Haven, Connecticut, April 19, 1996.
- "Cervical Collars," invited speaker, 2nd World Congress on Sports Trauma/American Orthopaedic Society for Sports Medicine, Orlando, Florida, June 16-20, 1996.
- "Basic Statistics for the Clinician," Instructional Course, 2nd World Congress on Sports Trauma/American Orthopaedic Society for Sports Medicine, Orlando, Florida, June 16-20, 1996.
- "Chondrocyte Transplantation," invited moderator, 2nd World Congress on Sports Trauma/American Orthopaedic Society for Sports Medicine, Orlando, Florida, June 16-20, 1996.
- "Taping, Orthotics and Shoes as Ankle Protection," invited faculty, Sports Medicine Conference, University of Vermont, Burlington, Vermont, October 2-4, 1996.
- "Neuromuscular Protection of the Lower Extremity," invited faculty, Sports Medicine Conference, University of Vermont, Burlington, Vermont, October 2-4, 1996.
- "Reflex Sympathetic Dystrophy," invited faculty, Sports Medicine Conference, University of Vermont, Burlington, Vermont, October 2-4, 1996.
- "Rehabilitation of Difficult Patella Problems," invited faculty, Sports Medicine Conference, University of Vermont, Burlington, Vermont, October 2-4, 1996.
- "Anterior Cruciate Ligament Functional Brace Use in Sports," invited faculty, Hawkeye Sports Medicine Symposium, University of Iowa, Iowa

City, Iowa, December 6-7, 1996.

"Neuromuscular Performance Characteristics in Elite Female Athletes," invited faculty, Hawkeye Sports Medicine Symposium, University of Iowa, Iowa City, Iowa, December 6-7, 1996.

"The Posterior Cruciate Ligament," invited faculty, Hawkeye Sports Medicine Symposium, University of Iowa, Iowa City, Iowa, December 6-7, 1996.

"Posterior Cruciate Ligament Injuries and Treatment Considerations," visiting professor, University of Louisville Grand Rounds, Louisville, Kentucky, December 10, 1996.

"Anterior Cruciate Ligament Reconstruction: Should We Expect Perfection?" symposium speaker, American Academy of Orthopaedic Surgeons, San Francisco, California, February 13-17, 1997.

"Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons, San Francisco, California, February 13-17, 1997.

"Diagnosis and Treatment of the Stiff and Painful Knee: RSD, Patella Infera and Arthrofibrosis," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons, San Francisco, California, February 13-17, 1997.

"Effect of ACL Injury and Patellar Tendon Autograft Reconstruction on Neuromuscular Performance," presenter, American Academy of Orthopaedic Surgeons, San Francisco, California, February 13-17, 1997.

"Muscle/Basic Science," moderator, 1997 Specialty Day, American Academy of Orthopaedic Surgeons, San Francisco, California, February 13-17, 1997.

"Gender Differences in Knee Ligament Injuries," course co-chairman and faculty, Shoulder and Knee: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, March 18-22, 1997.

"PCL: Open Technique," course co-chairman and faculty, Shoulder and Knee: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat

Springs, Colorado, March 18-22, 1997.

- "The Stiff Knee: RSD, Arthrofibrosis, Patella Infera," course co-chairman and faculty, Shoulder and Knee: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, March 18-22, 1997.
- "Female Athlete Concerns," AOSSM exchange speaker for AMSSM, Colorado Springs, Colorado, April 5-9, 1997.
- "Functional Knee Bracing," AOSSM exchange speaker for AMSSM, Colorado Springs, Colorado, April 5-9, 1997.
- "Articular Cartilage Lesions," instructional course, Arthroscopy Association of North America, San Diego, California, April 23-26, 1997.
- "Longitudinal Effects of ACL Injury and Patellar Tendon Autograft Reconstruction on Neuromuscular Performance," presenter, Association of Bone and Joint Surgeons, Scottsdale, Arizona, April 30-May 4, 1997.
- "Neuromuscular Performance, Ligament Protection and Shock Absorption," invited faculty, 1997 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 24-27, 1997.
- "Neuromuscular Training, Conditioning and Fatigue," invited faculty, 1997 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 24-27, 1997.
- "Update on Functional Braces," invited faculty, 1997 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 24-27, 1997.
- "Gender Differences in Knee Ligament Injuries," invited faculty, 1997 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 24-27, 1997.

- "PCL Reconstruction: Indications, Treatment, Results," invited faculty, 1997 Advances on the Knee and Shoulder, University of Cincinnati Department of Orthopaedics and Cincinnati Sportsmedicine Research and Educational Foundation, Hilton Head Island, South Carolina, May 24-27, 1997.
- "Neuromuscular Performance Characteristics in Elite Female Athletes," invited guest speaker, National Athletic Trainers' Association, Salt Lake City, Utah, June 19, 1997.
- "Basic Statistics for the Clinician," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine, Sun Valley, Idaho, June 22-25, 1997.
- "What is the Role of Functional Post-Operative Bracing Following ACL Reconstruction?" symposium speaker, American Orthopaedic Society for Sports Medicine, Sun Valley, Idaho, June 22-25, 1997.
- "Correlation Between the Menstrual Cycle and ACL Injuries in Female Athletes," presenter, American Orthopaedic Society for Sports Medicine, Sun Valley, Idaho, June 22-25, 1997.
- "Longitudinal Effects of ACL Injury and Patellar Tendon Autograft Reconstruction on Neuromuscular Performance," presenter, American Orthopaedic Society for Sports Medicine, Sun Valley, Idaho, June 22-25, 1997.
- "ACL Injuries in the Female Athlete," invited speaker, Sports Medicine Physician-Therapist Team Concept Conference, Williamsburg, Virginia, October 17-19, 1997.
- "Neuromuscular Control in the ACL Patient," invited speaker, Sports Medicine Physician-Therapist Team Concept Conference, Williamsburg, Virginia, October 17-19, 1997.
- "Functional Bracing for the ACL Patient invited speaker, Sports Medicine Physician-Therapist Team Concept Conference, Williamsburg, Virginia, October 17-19, 1997.
- "Concussion in Sports," moderator, American Orthopaedic Society for Sports Medicine Concussion in Sports Workshop, Chicago, Illinois, December 11-12, 1997.
- "PCL Injuries and Reconstruction," visiting professor, Sports Medicine Lecture Series, University of Vermont, Burlington, Vermont, January 7-9, 1998.

- "ACL Injuries in the Female Athlete: A Cause for Concern," visiting professor, Sports Medicine Lecture Series, University of Vermont, Burlington, Vermont, January 7-9, 1998.
- "Neuromuscular Protection of the Knee," visiting professor, Sports Medicine Lecture Series, University of Vermont, Burlington, Vermont, January 7-9, 1998.
- "Anatomy Review: Posterior," course co-chairman and faculty, Sports Medicine: Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Marco Island, Florida, February 5-8, 1998.
- "Extent of Injury: Long Term Considerations," course co-chairman and faculty, Sports Medicine: Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Marco Island, Florida, February 5-8, 1998.
- "Physiology and Function of Hyaline Cartilage," course co-chairman and faculty, Sports Medicine: Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Marco Island, Florida, February 5-8, 1998.
- "Neuromuscular Function and its Role in Knee Injuries in Women," visiting professor, Distinguished Lecture Series in Sports Medicine, Hope College, Holland, Michigan, February 25, 1998.
- "Neuromuscular Performance in Normal and Injured Lower Extremities," invited speaker, Sports Medicine Congress, Flemish Association of Sportsmedicine, Leuven, Belgium, March 7, 1998.
- "Patella Infera," invited speaker, Sports Medicine Congress, Flemish Association of Sportsmedicine, Leuven, Belgium, March 7, 1998.
- "Review of Gross and Surgical Anatomy of the Knee," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, March 18-23, 1998.
- "Diagnosis and Treatment of the Stiff and Painful Knee: RSD, Patella Infera, and Arthrofibrosis," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, March 18-23, 1998.
- "Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons

Annual Meeting, New Orleans, Louisiana, March 18-23, 1998.

"ACL Rehabilitation: A Clinical Approach with a Scientific Basis," invited symposium speaker, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, March 18-23, 1998.

"Protecting the Ankle Joint: What's Most Important," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"The Gender Issue: Neuromuscular Training, Conditioning and Fatigue," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"Patellofemoral Rehabilitation: How to Stay Out of Trouble," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"The Stiff Knee: RSD, Patella Infera, Arthrofibrosis," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"Posterior Knee Anatomy," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"PCL Injuries: Posterior Open Technique," invited faculty, 1998 Advances on the Knee and Shoulder Course, Hilton Head Island, South Carolina, May 24-27, 1998.

"The Stiff Knee: RSD, Arthrofibrosis and Patella Infera," visiting professor, Northwestern University, Evanston, Illinois, May 29, 1998.

"The ACL Deficient Varus Knee," visiting professor, University of Minnesota Surgery Grand Rounds, Minneapolis, Minnesota, June 5, 1998.

"The Stiff Knee: RSD, Arthrofibrosis and Patella Infera," invited faculty, Annual Spring Sports Medicine Conference, Minneapolis Sports Medicine Center, University of Minnesota, Minneapolis, Minnesota, June 5-6, 1998.

"Neuromuscular Protection of the Knee Joint," invited faculty, Annual Spring Sports Medicine Conference, Minneapolis Sports Medicine Center, University of Minnesota, Minneapolis, Minnesota, June 5-6, 1998.

- "Gender Differences in Knee Stiffness," presenter, Herodicus Society Annual Meeting, Portland, Maine, June 11-14, 1998.
- "Neuromuscular Protection of the Knee," invited speaker, National Athletic Trainers' Association Annual Meeting, Baltimore, Maryland, June 18-19, 1998.
- "On the Muscular Protection of Ankles," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "Active Knee Stiffness Differs Between Young Men and Women," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "Scientific Session: Knee - ACL," invited discussor, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "Diagnosis and Treatment of the Stiff and Painful Knee: RSD, Patella Infera, and Arthrofibrosis," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "A Guide to Basic Statistics for the Clinician, Part I," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "A Guide to Basic Statistics for the Clinician, Part II," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Vancouver, British Columbia, Canada, July 12-15, 1998.
- "Statistical Analysis," invited faculty, University of Vermont Sports Medicine Conference: Current Concepts in the Treatment & Rehabilitation of Sports Injuries, Burlington, Vermont, October 1-2, 1998.
- "Impact Absorption in the ACL Reconstructed Knee, Hyaline Cartilage Injuries, Bone Bruising & Diminished Muscle Function," invited faculty, The University of Vermont Sports Medicine Conference: Current Concepts in the Treatment & Rehabilitation of Sports Injuries, Burlington, Vermont, October 1-2, 1998.
- "Gender Differences in Knee Ligament Injuries," invited faculty, The University

of Vermont Sports Medicine Conference: Current Concepts in the Treatment & Rehabilitation of Sports Injuries, Burlington, Vermont, October 1-2, 1998.

"The ACL Deficient Varus Knee," invited faculty, The University of Vermont Sports Medicine Conference: Current Concepts in the Treatment & Rehabilitation of Sports Injuries, Burlington, Vermont, October 1-2, 1998.

"Functional Knee Bracing," invited faculty, The University of Vermont Sports Medicine Conference: Current Concepts in the Treatment & Rehabilitation of Sports Injuries, Burlington, Vermont, October 1-2, 1998.

"Anterior Cruciate Ligament Reconstruction: A Clinical Approach with a Scientific Basis," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Anaheim, California, February 4-8, 1999.

"Diagnosis and Treatment of the Stiff and Painful Knee: RSD, Patella Infera, and Arthrofibrosis," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Anaheim, California, February 4-8, 1999.

"Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Anaheim, California, February 4-8, 1999.

"Assessment and Differential Diagnosis of Shoulder Pain in the Athlete," invited faculty, UCLA School of Medicine, Sports Medicine for the Clinician Course, Vail, Colorado, February 22-26, 1999.

"Sports Injuries of the Cervical Spine," invited faculty, UCLA School of Medicine, Sports Medicine for the Clinician Course, Vail, Colorado, February 22-26, 1999.

"The Injured ACL," invited faculty, UCLA School of Medicine, Sports Medicine for the Clinician Course, Vail, Colorado, February 22-26, 1999.

"Bracing the Knee: Does It Help?" invited faculty, UCLA School of Medicine, Sports Medicine for the Clinician Course, Vail, Colorado, February 22-26, 1999.

- "Physical Examination of the Knee," invited faculty, UCLA School of Medicine, Sports Medicine for the Clinician Course, Vail, Colorado, February 22-26, 1999.
- "Comprehensive Knee Examination," invited faculty, Knee and Shoulder: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, March 3-7, 1999.
- "PCL Open Posterior Approach: Onlay and Posterolateral Combined Approaches and Technique," invited faculty, Knee and Shoulder: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, March 3-7, 1999.
- "Knee Dislocations: Surgical Approaches and Techniques," invited faculty, Knee and Shoulder: The Athletic Perspective to Treatment, Controversies and Problem Solving, American Academy of Orthopaedic Surgeons, Steamboat Springs, Colorado, March 3-7, 1999.
- "Anterior Cruciate Ligament Injuries in Women," keynote speaker, 6th Meeting of the American Sports Medicine Fellowship Society, Birmingham, Alabama, June 3-6, 1999.
- "Long Term Consequences of ACL Tears," keynote speaker, 6th Meeting of the American Sports Medicine Fellowship Society, Birmingham, Alabama, June 3-6, 1999.
- "Neuromuscular Differences Between Male and Female Athletes Contributing to ACL Injuries," invited participant, AAOS ACL Consensus Conference, Hunt Valley, Maryland, June 10, 1999.
- "Injuries in Female Athletes," invited moderator, NIH-AAOS Conference on Women's Musculoskeletal Health Issues, Hunt Valley, Maryland, June 11-12, 1999.
- "The Association Between Athletic Training Time and the Sagittal Curvature of the Immature Spine," presenter, Herodicus Society Annual Meeting, Bay Harbor, Michigan, June 15-18, 1999.
- "Stiff and Painful Knee: RSD, Patella Infera, and Arthrofibrosis," invited presenter, Instructional Course, American Orthopaedic Society for

Sports Medicine Annual Meeting, Traverse City, Michigan, June 19-22, 1999.

"A Guide to Basic Statistics for the Clinician - Part I," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Traverse City, Michigan, June 19-22, 1999.

"A Guide to Basic Statistics for the Clinician - Part II," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Traverse City, Michigan, June 19-22, 1999.

"The Association Between Athletic Training Time and the Sagittal Curvature of the Immature Spine," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Traverse City, Michigan, June 19-22, 1999.

"Gender Differences in Knee Angle When Landing from a Jump," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Traverse City, Michigan, June 19-22, 1999.

"Posterolateral Reconstruction," invited faculty, American Academy of Orthopaedic Surgeons Comprehensive Sports Medicine Course: An Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 3-6, 2000.

"Knee Dislocations: Surgical Approaches and Techniques," invited faculty, American Academy of Orthopaedic Surgeons Comprehensive Sports Medicine Course: An Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 3-6, 2000.

"Mini-Clinic: Patella Infera - Definition and Treatment," invited faculty, American Academy of Orthopaedic Surgeons Comprehensive Sports Medicine Course: An Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 3-6, 2000.

"PCL Open Posterior Approach: Onlay and Posterolateral Combined Approaches and Technique," invited faculty, American Academy of Orthopaedic Surgeons Comprehensive Sports Medicine Course: An Athletic Perspective to Treatment, Controversies and Problem Solving, Phoenix, Arizona, February 3-6, 2000.

- "Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, March 15-19, 2000.
- "Non-Contact ACL Injuries: Risk Factors, Mechanism of Injury, Treatment and Prevention Tips," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, March 15-19, 2000.
- "Gender Differences in Knee Angle when Landing from a Jump," presenter, American Academy of Orthopaedic Surgeons Annual Meeting, Orlando, Florida, March 15-19, 2000.
- "Hip Arthroscopy: A Simplified Approach," presenter, American Orthopaedic Society for Sports Medicine Specialty Day, Orlando, Florida, March 18, 2000.
- "Sports Medicine," guest lecturer, St. Mary Hospital, Livonia, Michigan, April 12, 2000.
- "Sports Knee Injuries in Female Athletes," guest lecturer, **George A. Stewart Memorial Lecture**, St. Agnes Hospital, Baltimore, Maryland, April 14, 2000.
- "Anterior Cruciate Ligament Injuries in the Female Athlete," **Ejnar Eriksson's Lectureship 2000**, Swedish Sports Medicine Society Conference, Stockholm, Sweden, May 18-20, 2000.
- "Neuromuscular Control," invited main speaker, Swedish Sports Medicine Society Conference, Stockholm, Sweden, May 18-20, 2000.
- "Posterior Cruciate Ligament Injuries and Treatment," invited main speaker, Swedish Sports Medicine Society Conference, Stockholm, Sweden, May 18-20, 2000.
- "ACL Reconstruction: University of Michigan Experience," invited faculty, 2000 Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2000.
- "Conservative and Operative Treatment of Patellofemoral and Complex Ligament Deficiencies," invited moderator, 2000 Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2000.
- "Treatment of PCL Deficiency and Dislocated Knees," invited faculty, 2000 Advances on the Knee and Shoulder Conference, Hilton Head

Island, South Carolina, May 28-31, 2000.

"Management of Arthritis in the Athlete's Knee Cartilage Regeneration, HTO and Arthroplasty," invited moderator, 2000 Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2000.

"Muscle Physiologic Response Differences: Strength/Endurance/Agility," invited faculty, 2000 Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2000.

"Gender Differences in Knee Rotational Stiffness," presenter, Herodicus Society Annual Meeting, Sun Valley, Idaho, June 14-16, 2000.

"Meniscus Function: Repair and Restoration," invited presenter, Instructional Course, American Orthopaedic Society for Sports Medicine Annual Meeting, Sun Valley, Idaho, June 18-21, 2000.

"ACL II Workshop," invited discussor, American Orthopaedic Society for Sports Medicine Annual Meeting, Sun Valley, Idaho, June 18-21, 2000.

"Knee Dislocations," and "Biomechanics of ACL Tears in Women," visiting professor, UCLA Medical Center, Department of Orthopaedics, Los Angeles, California, September 15, 2000.

"Muscle Injuries in Sports," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, September 28-29, 2000.

"The ACL Deficient Varus Knee," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, September 28-29, 2000.

"Knee Dislocation: Diagnosis & Treatment," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, September 28-29, 2000.

"Ankle Protection Update," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, September 28-29, 2000.

"Long Term Consequences of ACL Insufficiency," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, September 28-29, 2000.

- "Ankle Protection in Sports," invited faculty, 2001 Sports Medicine: The Athletic Perspective to Treatment, Controversies and Problem Solving, Lake Tahoe, Nevada, January 31-February 4, 2001.
- "Causes of Increased Injuries (Neuromuscular, Hormonal, and Anatomical Differences)," invited faculty, 2001 Sports Medicine: The Athletic Perspective to Treatment, Controversies and Problem Solving, Lake Tahoe, Nevada, January 31-February 4, 2001.
- "Hip Arthroscopy," invited faculty, 2001 Sports Medicine: The Athletic Perspective to Treatment, Controversies and Problem Solving, Lake Tahoe, Nevada, January 31-February 4, 2001.
- "Knee Dislocations: Diagnosis, Surgical Planning, and Technique," invited faculty, 2001 Sports Medicine: The Athletic Perspective to Treatment, Controversies and Problem Solving, Lake Tahoe, Nevada, January 31-February 4, 2001.
- "Gender Differences in Muscular Protection of the Knee among BMI-Matched Athletes," presenter, Orthopaedic Research Society Annual Meeting, San Francisco, California, February 25-27, 2001.
- "Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, February 28-March 4, 2001.
- "Posterolateral and Lateral Knee Injuries: A Review of the Anatomy, Biomechanics and Treatment Options," invited presenter, Instructional Course Chairman, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, February 28-March 4, 2001.
- "Meniscus Function: Repair and Restoration," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, February 28-March 4, 2001.
- "Gender Differences in the Muscular Protection of the Knee in BMI-Matched Athletes," presenter, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, February 28-March 4, 2001.
- "The Role of Arthroscopic Synovectomy in the Management of Hemophilia Patients: Financial Perspectives," presenter, Arthroscopy Association of North America Annual Meeting, Seattle, Washington, April 19-22, 2001.

- "Muscle Injuries in Sports," invited faculty, Advances on the Knee and Shoulder Sports Medicine Course, Hilton Head Island, South Carolina, May 27-30, 2001.
- "Knee Dislocations: Diagnosis, Surgical Planning, and Technique," invited faculty, Advances on the Knee and Shoulder Sports Medicine Course, Hilton Head Island, South Carolina, May 27-30, 2001.
- "Ankle Protection in Sports: What Works Best?," invited faculty, Advances on the Knee and Shoulder Sports Medicine Course, Hilton Head Island, South Carolina, May 27-30, 2001.
- "Muscle Physiologic Response Differences: Strength/Endurance/Agility," invited faculty, Advances on the Knee and Shoulder Sports Medicine Course, Hilton Head Island, South Carolina, May 27-30, 2001.
- "Gender Differences in Strength and Neuromuscular Function and the Implication of These and Hormonal Variation in ACL Non-contact Injuries in Female Athletes," 2001 AOSSM Exchange Lecture, American College of Sports Medicine Annual Meeting, Baltimore, Maryland, May 31-June 2, 2001.
- "Gender Differences in the Muscular Protection of the Knee in BMI-Matched Athletes," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, Colorado, June 28-July 1, 2001.
- "The Effect of the Menstrual Cycle on ACL Injuries in Woman as Determined by Hormone Levels," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, Colorado, June 28-July 1, 2001.
- "Susceptibility of Females to ACL Injuries," invited speaker, 5th International Conference in Orthopaedics, Biomechanics and Sports Rehabilitation, Assisi, Italy, December 7-9, 2001.
- "Effect of ACL Injury and Reconstruction on Muscle Reaction Time and Muscle Use Pattern," invited speaker, 5th International Conference in Orthopaedics, Biomechanics and Sports Rehabilitation, Assisi, Italy, December 7-9, 2001.
- "Effect of Intense Athletic Training on the Immature Spine," invited speaker, 5th International Conference in Orthopaedics, Biomechanics and Sports Rehabilitation, Assisi, Italy, December 7-9, 2001.

- "The Effect of the Menstrual Cycle on ACL Injuries in Women as Determined by Hormone Levels," presenter, Orthopaedic Research Society Annual Meeting, Dallas, Texas, February 10-12, 2002.
- "Meniscus Function: Repair and Restoration," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Dallas, Texas, February 13-17, 2002.
- "Posterolateral and Lateral Knee Injuries: A Review of the Anatomy, Biomechanics and Treatment Options," invited presenter, Instructional Course Chairman, American Academy of Orthopaedic Surgeons Annual Meeting, Dallas, Texas, February 13-17, 2002.
- "Medical Writing: Preparing Manuscripts for Publication," invited presenter, Instructional Course, American Academy of Orthopaedic Surgeons Annual Meeting, Dallas, Texas, February 13-17, 2002.
- "Treatment of ACL Injuries in the Skeletally Immature Athlete," symposium moderator, American Orthopaedic Society for Sports Medicine Specialty Day, Dallas, Texas, February 16, 2002.
- "On Field Evaluation of Concussions and Spinal Injuries," invited faculty, Frontiers in Sports Medicine: The Athlete in 2002, LaJolla, California, February 28 - March 3, 2002.
- "ACL Injuries in Women, Bracing, and Injury Prevention," invited faculty, Frontiers in Sports Medicine: The Athlete in 2002, LaJolla, California, February 28 - March 3, 2002.
- "Knee Dislocations: Diagnosis, Surgical Planning and Technique," invited faculty, Frontiers in Sports Medicine: The Athlete in 2002, LaJolla, California, February 28 - March 3, 2002.
- "Gender and the ACL," guest lecturer, The Center for Interdisciplinary Research in Women's Health, University of Connecticut Health Center, Hartford, Connecticut, March 13, 2002.
- "Posterior Cruciate and Posterolateral Knee Injuries," guest lecturer, The Hartford Orthopaedic Forum Lecture, University of Connecticut Health Center, Hartford, Connecticut, March 13, 2002.
- "Knee Dislocations," visiting professor, University of Connecticut Health Center Grand Rounds, Hartford, Connecticut, March 14, 2002.

- "Results of PCL Surgical Reconstruction," invited faculty, American Academy of Orthopaedic Surgeons, Surgical Treatment of Complex Knee Ligament, Patellofemoral, and Articular Cartilage Disorders Course, Rosemont, Illinois, April 12-14, 2002.
- "Approach to the Dislocated Knee," invited faculty, American Academy of Orthopaedic Surgeons, Surgical Treatment of Complex Knee Ligament, Patellofemoral, and Articular Cartilage Disorders Course, Rosemont, Illinois, April 12-14, 2002.
- "Susceptibility of Females to ACL Injuries," visiting professor, University of Delaware, Dover, Delaware, April 25, 2002.
- "Meniscal Function: Loss and Replacement," invited faculty, University of Michigan Medical School, MedSport Surgical and Rehabilitative Approaches to the Knee and Shoulder Course, Ypsilanti, Michigan, May 3-4, 2002.
- "Surgical Management of the Multi-Ligament Injured Knee," invited faculty, University of Michigan Medical School, MedSport Surgical and Rehabilitative Approaches to the Knee and Shoulder Course, Ypsilanti, Michigan, May 3-4, 2002.
- "ACL Injuries in the Immature Athlete," invited faculty, 17th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 26-29, 2002.
- "The Stiff Knee: RSD, Arthrofibrosis, and Patella Infera," invited faculty, 17th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 26-29, 2002.
- "Muscle Response Differences: Strength/Endurance/Agility," invited faculty, 17th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 26-29, 2002.
- "Ankle Strengthening and Protection in Sports," invited faculty, 17th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 26-29, 2002.
- "On Field Evaluation of Concussion and Spinal Injuries," invited faculty, 17th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 26-29, 2002.
- "The Effect of Intense Athletic Training on the Immature Spine," invited speaker,

NATA 53rd Annual Meeting, Dallas, Texas, June 17, 2002.

"Gender Differences in the Muscular Protection of the Knee: Implications to ACL Injury Rates," presenter, AOSSM Non-Contact ACL Conference, Orlando, Florida, June 29, 2002.

"Changes in Lower Extremity Joint Kinematics After Completing a Jump-Training Program," presenter, American Orthopaedic Society for Sports Medicine 28th Annual Meeting, Orlando, Florida, June 30-July 3, 2002.

"Female Athletic Injuries and Hormone Susceptibility," invited faculty, Third International Symposium on Sport and Medicine, Opatija, Croatia, September 26-27, 2002.

"Ankle Protection in Sports," invited faculty, Third International Symposium on Sport and Medicine, Opatija, Croatia, September 26-27, 2002.

"Field Management of Concussion and Cervical Spine Injuries," invited faculty, Third International Symposium on Sport and Medicine, Opatija, Croatia, September 26-27, 2002.

"Statistical Analysis," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

"ACL Injury in Young Athletes," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

"PCL Reconstruction: The Inlay Approach," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

"Posterolateral and Lateral Knee Injuries: Diagnosis and Treatment," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

"Ankle Protection in Sports," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

"The ACL Varus Deficient Knee," invited faculty, Current Concepts in the Treatment and Rehabilitation of Sports Injuries, The University of Vermont, Burlington, Vermont, October 3-4, 2002.

- "Posterolateral Knee Injury: Evaluation and Operative Treatment," visiting professor, Mayo Clinic Grand Rounds, Rochester, Minnesota, October 29-30, 2002.
- "ACL Injury in the Female Athlete," visiting professor, Mayo Clinic Grand Rounds, Rochester, Minnesota, October 29-30, 2002.
- "Gait Mechanics of Chronic ACL Deficient Knees," invited discussor, 6th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 22-24, 2002.
- "2nd Clinical Case in Orthopaedics, Biomechanics and Rehabilitation," invited faculty, 6th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 22-24, 2002.
- "Proprioceptive and Neuromuscular Consideration for the Female Athlete," invited speaker, 6th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 22-24, 2002.
- "Medical Writing: Preparing a Manuscript for Publication," invited presenter, instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
- "Meniscus Function: Repair and Restoration," invited presenter, instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
- "Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities," invited presenter, instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, Louisiana, February 5-9, 2003.
- "Biologic ACL Failures," invited speaker, American Orthopaedic Society for Sports Medicine, Specialty Day, New Orleans, Louisiana, February 8, 2003.
- "Scientific Session - ACL II," symposium co-moderator, American Orthopaedic Society for Sports Medicine, Specialty Day, New Orleans, Louisiana, February 8, 2003.
- "ACL Injury Prevention," invited faculty, 4th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2003, Steamboat Springs,

Colorado, March 12-16, 2003.

"Concussions and Spinal Injuries," invited faculty, 4th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2003, Steamboat Springs, Colorado, March 12-16, 2003.

"Knee Dislocations: Decision Making and Treatment," invited faculty, 4th Annual AAOS/AOSSM Sports Medicine Course: The Athlete in 2003, Steamboat Springs, Colorado, March 12-16, 2003.

"Concussions in Sports," visiting professor, Keller Army Community Hospital Grand Rounds, West Point, New York, March 28, 2003.

"PCL and Posterolateral Knee Injuries," visiting professor, Keller Army Community Hospital Grand Rounds, West Point, New York, March 28, 2003.

"Decision Making in the Treatment of Articular Cartilage Injuries," visiting professor, Michigan State University, East Lansing, Michigan, April 9, 2003.

"ACL Revisions," invited faculty, University of Michigan Medical School, MedSport Surgical and Rehabilitative Approaches to the Lower Extremity, Ypsilanti, Michigan, April 10-11, 2003.

"Bracing vs. Non-Bracing after ACL Reconstruction," invited faculty, University of Michigan Medical School, MedSport Surgical and Rehabilitative Approaches to the Lower Extremity, Ypsilanti, Michigan, April 10-11, 2003.

"New Concepts in Ankle Strengthening and Protection in Sports," invited faculty, 18th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 25-28, 2003.

"Concussions and Cervical Spine Problems, Burners, and Stingers," invited faculty, 18th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 25-28, 2003.

"ACL Injuries in the Immature Athlete," invited faculty, 18th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 25-28, 2003.

"The Stiff Knee: RSD, Arthrofibrosis, and Patella Infera," invited faculty, 18th

Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 25-28, 2003.

"Muscle Response Differences: Strength, Endurance, and Agility," invited faculty, 18th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 25-28, 2003.

"Research Statistics: The Mean Truth," instructional course faculty, American Orthopaedic Society for Sports Medicine 29th Annual Meeting, San Diego, California, July 20-23, 2003.

"Epidemiological, Physical and Biomechanical Differences Male vs Female Athletes," instructional course faculty, American Orthopaedic Society for Sports Medicine 29th Annual Meeting, San Diego, California, July 20-23, 2003.

"Concussive Disorders," moderator, American Orthopaedic Society for Sports Medicine 29th Annual Meeting, San Diego, California, July 20-23, 2003.

"The Effect of the Sportsmetrics™ Training Program on Rotational Knee Stiffness," Course Chairman, 42nd Carl E. Badgley Lectureship, Department of Orthopaedic Surgery, September 12, 2003.

"The Protective Muscle Stiffness about the Knee and Factors that Influence It," invited faculty, 7th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 21-23, 2003.

"Overview Adolescent and Pediatric ACL Lesions," invited faculty, 7th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 21-23, 2003.

"ACL Problems in Females," visiting professor, Grand Rounds, George Washington University, Washington, DC, December 4-5, 2003.

"New Techniques for PCL Reconstruction," visiting professor, George Washington University, Washington, DC, December 4-5, 2003.

"Neuromuscular Protection of the Anterior Cruciate Ligament," **Guest Speaker, International Cartilage Symposium and 29th Annual Japan Knee Society Meeting, Hiroshima, Japan, February 12-14, 2004.**

"Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities," instructional course faculty, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, March 10-14,

2004.

"Meniscus Function: Repair and Reconstruction," instructional course faculty, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, March 10-14, 2004.

"Medical Writing: Preparing a Manuscript for Publication," instructional course faculty, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, March 10-14, 2004.

"Can Knee Arthrosis be Prevented Following Sports Injury?" symposium faculty, American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, California, March 10-14, 2004.

"Neuromuscular Protection of the Knee," visiting professor, Grand Rounds, Henry Ford Hospital, Detroit, Michigan, May 12, 2004.

"Spine Injuries in Sports," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"Diagnosis and Treatment of High and Low Ankle Sprains and Role of Protective Braces," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"ACL Injuries in the Immature Athlete," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"Neuromuscular Protection of the Knee," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"The Stiff Knee: RSD, Arthrofibrosis, and Patella Infera," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"Treatment of the Dislocated Knee," invited faculty, 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 30 - June 2, 2004.

"Basic Science: Rotator Cuff," moderator, American Orthopaedic Society for Sports Medicine Annual Meeting, Quebec City, Canada, June 24-27, 2004.

- "ACL Injuries in Female Athletes," visiting professor, Grand Rounds, University of Virginia, July 22, 2004.
- "Meniscus Structure and Function," invited faculty, 8th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 19-21, 2004.
- "Mechanisms of ACL Injury," invited faculty, 8th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 19-21, 2004.
- "ACL Injury Prevention Programs: What We Need to Know," invited faculty, 8th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, November 19-21, 2004.
- "Neuromuscular Factors: ACL Injury," invited speaker, Henry Ford Health System Sports Medicine Symposium, Detroit, Michigan, February 4-5, 2005.
- "ACL," moderator, Orthopaedic Research Society Annual Meeting, Washington, DC, February 20-22, 2005.
- "*In Vitro* ACL Strain Correlates with Quadriceps Muscle Force in Simulated Jump Landing," podium presentation, Orthopaedic Research Society Annual Meeting, Washington, DC, February 20-22, 2005.
- "Medical Writing: Preparing a Manuscript for Publication," instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, Washington, DC, February 23-27, 2005.
- "Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities," instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, Washington, DC, February 23-27, 2005.
- "A New Diagnostic Sonography Stress Test for Posterolateral Corner Knee Injuries: A Clinical Comparison with Magnetic Resonance Imaging Verified by Surgery," ISAKOS Meeting, Hollywood, Florida, April 4-6, 2005.
- "Neuromuscular Factors: Protection of the Knee," visiting professor, Grand Rounds, The Ohio State University, Columbus, Ohio, April 22, 2005.
- "The Effect of Intense Athletic Training on the Immature Spine," invited faculty, 2nd International Symposium on Sports Injuries, Portorož, Slovenia,

May 20-21, 2005.

"What Best Protects the Ankle in Sports," invited faculty, 2nd International Symposium on Sports Injuries, Portorož, Slovenia, May 20-21, 2005.

"Evaluation of the Pediatric Athlete with an ACL Injury," invited faculty, 2nd International Symposium on Sports Injuries, Portorož, Slovenia, May 20-21, 2005.

"Diagnosis and Treatment of High and Low Ankle Sprains and Role of Protective Bracing," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"Neuromuscular Protection of the Knee," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"American and European Advances in Neuromuscular Control and Function," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"Treatment of the Dislocated Knee," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"Spine Injuries in Sports," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"The Stiff Knee: RSD, Arthrofibrosis and Patella Infera," invited faculty, 20th Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 29-June 1, 2005.

"Multi-Ligamentous Injuries of the Knee and Associated Vascular Injuries," podium presentation, Michigan Orthopaedic Society Annual Meeting, Traverse City, Michigan, June 17-18, 2005.

"Complications of Medial Opening Wedge Osteotomy," podium presentation, Michigan Orthopaedic Society Annual Meeting, Traverse City, Michigan, June 17-18, 2005.

"ACL Injury Mechanisms," presenter, Herodicus Society Annual Meeting, Vail, Colorado, July 10-12, 2005.

- "Statistics in Orthopaedic Research," presenter, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, Colorado, July 13-17, 2005.
- "In Vitro ACL Strain Correlates with Quadriceps Muscle Force and Knee Flexion in a Simulated Jump Landing," podium presentation, American Orthopaedic Society for Sports Medicine Annual Meeting, Keystone, Colorado, July 13-17, 2005.
- "Articular Cartilage Repair," invited participant, American Orthopaedic Society for Sports Medicine Articular Cartilage Repair Conference, LaJolla, California, January 7-8, 2006.
- "Allografts in Sports Medicine," invited participant, American Orthopaedic Society for Sports Medicine Allografts in Sports Medicine Roundtable Meeting, Park City, Utah, February 12-14, 2006.
- "Multi-Ligamentous Injuries of the Knee and Associated Vascular Injuries," podium presentation, American Academy of Orthopaedic Surgeons 2006 Annual Meeting, Chicago, Illinois, March 22-26, 2006.
- "Incidence of the Positive Intra-Operative Cultures of Allografts in Knee Ligament Reconstruction," podium presentation, American Academy of Orthopaedic Surgeons 2006 Annual Meeting, Chicago, Illinois, March 22-26, 2006.
- "Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities," instructional course, American Academy of Orthopaedic Surgeons 2006 Annual Meeting, Chicago, Illinois, March 22-26, 2006.
- "Complications of medial Opening Wedge High Tibial Osteotomy," podium presentation, Specialty Day, American Academy of Orthopaedic Surgeons 2006 Annual Meeting, Chicago, Illinois, March 22-26, 2006.
- "Pediatric ACL Injuries," invited faculty, 21st Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2006.
- "The Stiff Knee: RSD, Arthrofibrosis and Patella Infera," invited faculty, 21st Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2006.

- "Vascular Injuries Associated with Multiple Ligament Injuries About the Knee," invited faculty, 21st Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2006.
- "High and Low Ankle Sprains: Diagnosis and Prevention," invited faculty, 21st Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2006.
- "Concussions: On the Field Treatment," invited faculty, 21st Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 28-31, 2006.
- "Hamstring Protection of the ACL," speaker, Herodicus Society Annual Meeting, Hershey, Pennsylvania, June 25-27, 2006.
- "Injury Prevention Conference," co-chairman, American Orthopaedic Society for Sports Medicine Annual Meeting Pre-Conference Program, Hershey, Pennsylvania, June 28, 2006.
- "On Changes in Hamstring Length during a Simulated Jump Landing: An In Vitro Study," podium presentation, American Society of Biomechanics Annual Meeting, Blacksburg, Virginia, September 6-9, 2006
- "Pediatric ACL Injuries and Treatment Options," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, University of Vermont, Burlington, Vermont, October 5-6, 2006.
- "Complications Associated with Opening Wedge Tibial Osteotomy," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, University of Vermont, Burlington, Vermont, October 5-6, 2006.
- Concussions: On the Field Treatment," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, University of Vermont, Burlington, Vermont, October 5-6, 2006.
- "Ankle Sprains: High and Low," invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, University of Vermont, Burlington, Vermont, October 5-6, 2006.
- "Biologic ACL Failures: Does This Really Happen?" invited faculty, Current Concepts in the Treatment & Rehabilitation of Sports Injuries, University of Vermont, Burlington, Vermont, October 5-6, 2006.

- "Quadriceps Inhibition Induced by an Experimental Knee Joint Effusion Affects Knee Joint Mechanics During a Single Leg Drop Landing," invited faculty, 10th International Conference on Orthopaedics, Biomechanics, and Sports Rehabilitation, Assisi, Italy, December 1-3, 2006.
- "Posterior Cruciate Ligament: Surgical Treatment, Combined Instabilities," instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, California, February 14-18, 2007.
- "Medical Writing: Preparing a Manuscript for Publication," instructional course, American Academy of Orthopaedic Surgeons Annual Meeting, San Diego, California, February 14-18, 2007.
- "Epidemiology of Injuries and Sports Injuries," speaker, Sport Injury Prevention Center Symposium, University of Michigan, Ann Arbor, Michigan, April 26-27, 2007.
- "Biologic ACL Failure: Does this Happen?" invited faculty, 22nd Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 27-30, 2007.
- "High and Low Ankle Sprains: Diagnosis and Prevention," invited faculty, 22nd Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 27-30, 2007.
- "Vascular Injuries Associated with Multiple Ligament Injuries About the Knee," invited faculty, 22nd Annual Advances on the Knee and Shoulder Conference, Hilton Head Island, South Carolina, May 27-30, 2007.
- "Retrograde Drilling for Osteochondritis Dissecans in the Skeletally Immature Knee," podium presentation, Michigan Orthopaedic Society Annual Meeting, Traverse City, Michigan, June 21-23, 2007.
- "Allograft Use in Sports Medicine," invited speaker, American Orthopaedic Society for Sports Medicine Annual Meeting Pre-Conference Program, Calgary, Alberta, Canada, July 11, 2007.
- "Conducting Clinical Research and Getting Published," instructional course lecture, American Orthopaedic Society for Sports Medicine Annual Meeting, Calgary, Alberta, Canada, July 11, 2007.
- "Exercise Physiology," invited faculty, AOSSM & AAOS Review Course for Subspecialty Certification in Orthopaedic Sports Medicine, Chicago, Illinois, August 3-5, 2007.

"ACL Reconstruction in Children and Adolescents," invited faculty,
1st Stockholm Arthroscopy Conference, Stockholm, Sweden,
September 6-8, 2007.

"Knee Dislocations," invited faculty, 1st Stockholm Arthroscopy Conference,
Stockholm, Sweden, September 6-8, 2007.

"ACL Injury Mechanisms," invited faculty, 1st Stockholm Arthroscopy
Conference, Stockholm, Sweden, September 6-8, 2007.

"The Effect of Intense Physical Exercise on the Sagittal Curvature of the Spine,"
invited speaker, Polish Sports Conference, Warsaw, Poland,
September 20-22, 2007.

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Completed Publications in Scientific Journals

Peer-Reviewed Publications

1. Wojtys EM, Smith PA, Hankin FM: A cause of ulnar neuropathy in a baseball pitcher. *Am J Sports Med* 1986;14:422-424.
2. Wojtys EM, Hankin F, Braunstein E, et al: Discordance for ankylosing spondylitis in a B27 negative monozygotic twin. *J Rheumatol* 1986;13:205-207.
3. Louis DS, Hankin FM, Eckenrode JF, Smith PA, Wojtys EM: Distal biceps brachii tendon avulsion: A simplified method of operative repair. *Am J Sports Med* 1986;14:234-236.
4. Janda DH, Hankin FM, Wojtys EM: Softball injuries: Cost, cause and prevention. *American Family Physician* 1986;33:143-144.
5. Wojtys EM, Goldstein SA, Redfern M, et al: A biomechanical evaluation of the Lenox Hill knee brace. *Clin Orthop* 1987;220:179-184.
6. Wojtys EM, Wilson E, Buckwalter K, et al: Magnetic resonance imaging of knee hyaline cartilage and intra-articular pathology. *Am J Sports Med* 1987;15:455-463.
7. Wojtys EM: Sports injuries in the immature athlete. *Orthopaedic Clinics of North America* 1987;18:689-708.
8. Hankin FM, Amadio PC, Wojtys EM, Braunstein EM: Carpal instability with volar flexion of the proximal row associated with injury to the scaphotrapezial ligament: Report of two cases. *J Hand Surg* 1988;13B:298-302.
9. Howe MA, Buckwalter KA, Braunstein EM, Wojtys EM: MR findings in discoid lateral meniscus. *Skeletal Radiol* 1988;17:293-294.
10. Janda DH, Wojtys EM, Hankin FM, Benedict ME: Softball sliding injuries: A prospective study comparing standard and modified bases. *JAMA* 1988;59:1848-1850.
11. Pennes DR, Jonsson K, Buckwalter K, Braunstein E, Blasier R, Wojtys E: Computed arthrotomography of the shoulder: Comparison of examinations made with internal and external rotation of the humerus. *Am J Roentgen* 1989;153:1017-1019.
12. Wojtys EM, Beaman DN, Glover RA, Janda D: Innervation of the human knee joint by substance P fibers. *Arthroscopy* 1990;6:254-263.

13. Lane JG, Falahee MH, Wojtys EM, et al: Pyarthrosis of the knee: Treatment considerations. *Clin Orthop* 1990;252:198-204.
14. Janda DH, Wojtys EM, Hankin FM, Benedict ME, Hensinger RN: A three-phase analysis of the prevention of recreational softball injuries. *Am J Sports Med* 1990;18:632-635.
15. Wojtys EM, Loubert PV, Samson SY, Viviano DM: Use of a knee brace for control of tibial translation and rotation. *J Bone Joint Surg* 1990;72A:1323-1329.
16. Morgan CD, Wojtys EM, Casscells CD, Casscells SW: Arthroscopic meniscal repair evaluated by second-look arthroscopy. *Am J Sports Med* 1991;19:632-638.
17. Wojtys EM, Nelson G: Conservative treatment of grade III acromioclavicular dislocations. *Clin Orthop* 1991;268:112-119.
18. Noyes FR, Wojtys EM, Marshall MT: The early diagnosis and treatment of the developmental patella infera syndrome. *Clin Orthop* 1991;265:241-252.
19. Holmes JR, Hensinger RN, Wojtys EM: Postoperative pulmonary edema in young, athletic adults. *Am J Sports Med* 1991;19:365-371.
20. Anderson K, Wojtys EM, Loubert PV, Miller RE: A biomechanical evaluation of taping and bracing in reducing knee joint translation and rotation. *Am J Sports Med* 1992;20:416-421.
21. Beaman DN, Glover RA, Graziano GP, Wojtys EM: Substance P innervation of lumbar facet joints. *Spine* 1993;18(7).
22. Kowalk DL, Wojtys EM, Disher J, Loubert P: Quantitative analysis of the measuring capabilities of the KT-1000 knee ligament arthrometer. *Am J Sports Med*, 1993;21:744-747.
23. Wojtys EM, Huston LJ: Neuromuscular performance in normal and anterior cruciate ligament-deficient lower extremities. *Am J Sports Med* 1994;22(1):89-104.
24. Derwin K, Glover RA, Wojtys EM: The nociceptive role of substance P in the knee joint of a patient with congenital insensitivity to pain. *J Pediatric Orthop* 1994;14:258-262.
25. Drongowski RA, Coran AG, Wojtys EM: Predictive value of meniscal and chondral injuries in conservatively treated anterior cruciate ligament injuries. *Arthroscopy* 1994;10(1):97-102.
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and the maximal muscular resistance to applied ankle inversion/eversion moments. *Am J Sports Med*, 1995;23(4):418-423.

27. Hutchinson CH, Wojtys EM: MRI vs. arthroscopy in evaluation of knee meniscal pathology. *Am J Knee Surg* 1995;8(3):93-96.
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32. Wojtys EM, Greenfield ML, Kuhn JE: A statistics primer: Statistical terminology – part 2. *Am J Sports Med*, 1996;24(4):564-565.
33. Wojtys EM, Wylie BB, Huston LJ: The effects of muscle fatigue on neuromuscular function and anterior tibial translation in healthy knees. *Am J Sports Med*, 1996;24(5):615-621.
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39. Manfroy P, Ashton-Miller JA, Wojtys EM: The effect of exercise, prewrap and athletic tape on the maximal active and passive ankle resistance to ankle inversion.

Am J Sports Med, 1997;25(2):156-163.

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41. Wojtys EM, Huston LJ: Review of patellar bracing. *OSF Ortho Special Edition*, 1997;3(2):59-61.
42. Kuhn JE, Greenfield ML, Wojtys EM: A statistics primer: Prevalence, incidence, relative risks, and odds ratios: some epidemiologic concepts in the sports medicine literature. *Am J Sports Med*, 1997;25(3):414-416.
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63. Wojtys EM, Ashton-Miller JA, Huston LJ: A gender-related difference in the contribution of the knee musculature to sagittal-plane shear stiffness in subjects with similar knee laxity. *JBJS*, 2002;84(A):10-16.
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Submitted for Publication

1. Austin JC, Wojtys EM: Loss of Knee Extension Following Anterior Cruciate Ligament Reconstruction: The Effects of Knee Position and Graft Tensioning. Submitted to *Journal of Bone and Joint Surgery*

Non-Peer Reviewed Publications

1. Janda DH, Wojtys EM, Hankin FM, Benedict ME: Softball sliding injuries - Michigan, 1986-87. *Morbidity and Mortality Weekly Report From the Centers for Disease Control* March 25, 1988;37(11):169-170.

Books

1. Wojtys EM (ed): *The ACL Deficient Knee*. American Academy of Orthopaedic Surgeons, Rosemont, IL, 1994, pp. 1-148.
2. Wojtys EM, Greenfield ML, Kuhn JE: Statistics Primer. *Am J Sports Med*, 1999.

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1. Noyes F, Boland A, DeLee J, Hunter L, Jackson D, Markolf K, Walker P, Wojtys E: American Association of Orthopaedic Surgery seminar project on functional bracing. *American Association of Orthopaedic Surgery* 1984, pp. 32-70.
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7. Wojtys EM, Carpenter JE: Instrumented knee laxity, in Fu FH, Harner CD, Vince KG (ed): *Knee Surgery*, 1994, pp. 297-310.
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21. Huston LJ, Wojtys EM: Hormonal risk factors. In: *Prevention of Noncontact ACL Injuries*, LY Griffin (ed). American Academy of Orthopaedic Surgeons, 2001, pp 21-28.
22. Huston LJ, Wojtys EM: The influence of the neuromuscular system on joint stability. In: *Prevention of Noncontact ACL Injuries*, LY Griffin (ed). American Academy of Orthopaedic Surgeons, 2001, pp 53-61.
23. Wojtys EM, Chan DB: Meniscus structure and function, in Pellegrini, Jr. VD (ed): *Instructional Course Lectures*, ed 54, 2005, American Academy of Orthopaedic Surgeons, pp 323-330.
24. Blaha JD, Wojtys EM: Motion and stability of the normal human knee. In: *Insall & Scott Surgery of the Knee Online*, 4th edition, Scott WN (ed), February, 2006.
25. Miller BS, Wojtys EM: Anterior cruciate ligament reconstruction with patellar tendon autograft: surgical technique. In: *Surgical Techniques in Sports Medicine*, ElAttrache, Harner, Mirzayan, Sekiya (eds), 2007, pp 319-325.

Scientific Poster Presentations

1. Tamurian RM, Spencer, EE, Wojtys EM: The role of arthroscopic synovectomy in the management of hemarthroses in hemophilia patients: Financial perspectives. At Michigan Orthopaedic Society Annual Meeting, Traverse City, Michigan, June 23-24, 2000.
2. Jacobson JA, Sekiya JK, Wojtys EM, Hayes CW: Sonography of the posterolateral structures of the knee: Correlation with cadaveric dissection. *Supplement to Radiology*, 2001; 221(P):112 at RSNA, 2001.
3. Wojtys EM, Huston LJ, Boynton M, Spindler KP, Lindenfeld TN: The effect of the

menstrual cycle on anterior cruciate ligament injuries in women as determined by hormone levels. *Am J Sports Med*, 2002;30(2):182-188 at American Academy of Orthopaedic Surgeons Annual Meeting, Dallas, Texas, February 10-12, 2002.

4. Withrow TJ, Huston LJ, Ashton-Miller JA, Wojtys EM: Valgus Loading Causes Increased ACL Strain *In Vitro* in a Simulated Jump Landing: at Orthopaedic Research Society Annual Meeting, Washington, DC, February 20-22, 2005.
5. Chaudhari AM, Shin CS, Andriacchi TP, Withrow TJ, Huston LJ, Ashton-Miller JA, Wojtys EM: ACL strains are influenced by deceleration forces during activities associated with ACL injury: at Orthopaedic Research Society Annual Meeting, Washington, DC, February 20-22, 2005.
6. Swaringen JC, Sekiya JK, Wojtys EM, Jacobson JA: A new diagnostic sonographic stress test for posterolateral knee injuries: at Arthroscopy Association of North America Annual Meeting, Vancouver, BC, May 12-15, 2005.
7. Withrow TJ, Huston LJ, Wojtys EM, Ashton-Miller JA: A Lengthening Hamstring Condition Reduces ACL Strain in an In Vitro Jump Landing Model: An ACL Protective Mechanism: at Orthopaedic Research Society Annual Meeting, Chicago, Illinois, March 19-22, 2006.
8. Miller BS, Downie B, McDonough EB, Wojtys EM: Complications of Medial Opening Wedge High Tibial Osteotomy: at American Academy of Orthopaedic Surgeons 2006 Annual Meeting, Chicago, Illinois, March 22-26, 2006.

Published Abstracts

1. Wojtys E, Redfern M, Trier E, et al: A computer assisted system for simultaneous evaluation of multiple mechanical factors of the knee joint stability: The Lenox-Hill brace. *Ortho Trans*, 1985;9:310.
2. Zeman D, O'Connor G, Wojtys E: Acute anterolateral rotary instability. *Ortho Trans*, 1986;10.
3. Wojtys E, Goldstein S, Redfern M, et al: Biomechanical evaluation of the Lenox Hill knee brace. *Ortho Trans*, 1986;10.
4. Wojtys E, Gikas P, Noyes F: Patella baja syndrome. *Ortho Trans*, 1986;10.
5. Lane J, Hankin F, Falahee M, Wojtys E: Pyarthrosis of the knee: Treatment considerations. *Ortho Trans*, 1986;10:578.
6. Janda D, Hankin F, Wojtys E: Softball injuries: Cost, cause, and prevention. *Ortho Trans*, 1986;10.
7. Ciarelli M, Bylski D, Goldstein S, Gordon J, Wojtys E, Matthews L: Effects of

- partial meniscectomy and ligament resection on meniscal displacement and strain patterns in cadaver knees. *Ortho Trans*, 1987;11:409.
8. Wojtys E, Wilson M, Buckwalter K, et al: Magnetic resonance imaging of knee hyaline cartilage - Intra-articular pathology. *International Society of the Knee*, April 1987.
 9. Wojtys E, Wilson M, Buckwalter K, et al: Magnetic resonance imaging of knee hyaline cartilage - Intra-articular pathology. *Ortho Trans*, 1987.
 10. Wojtys E, Wilson M, Buckwalter K, et al: Magnetic resonance imaging of knee hyaline cartilage and intra-articular pathology. *Ortho/Rheum Digest*, 1988;4:23.
 11. Nelson G, Wojtys E, Goldstein S: Operative vs. nonoperative treatment of acromioclavicular separations. *Michigan Orthopaedic Society Annual Meeting*, June 1988.
 12. Lane J, Falahee M, Wojtys E, Hankin F: Pyarthrosis of the knee: Treatment considerations. *Ortho Trans*, 1988;12:751.
 13. Wojtys EM, Beaman D, Glover R, Janda D: Innervation of the human knee joint by substance P fibers. *Ortho Trans*, 1989;2:13.
 14. Wojtys E, Loubert PV, Samson SY, et al: A quantitative assessment of the efficacy of 14 functional knee braces. *Ortho Trans*, 1989;2:13.
 15. Wojtys EM, Hankin FM, Janda DH, et al: A three-phase analysis of the prevention of recreational softball injuries. *Ortho Trans*, 1989;2:13.
 16. Beaman DN, Glover RA, Graziano GP, Wojtys EM: Substance P innervation of lumbar facet joints. *Ortho Trans*, 1992;16:430.
 17. Huston LJ, Wojtys EM: Neuromuscular performance in elite women athletes. *Ortho Trans*, 1994;19(2):683.
 18. Wojtys EM, Huston LJ: Longitudinal effects of ACL injury and patellar tendon autograft reconstruction on neuromuscular performance. *Ortho Trans*, 1997;22(1):102.
 19. Wojtys EM, Huston LJ: The effect of the female menstrual cycle on lower extremity neuromuscular performance and anterior knee laxity. *American Academy of Orthopaedic Surgeons, 66th Annual Meeting Proceedings*, Anaheim, California, February 4-8, 1999.
 20. Housner JA, Wojtys EM: Knee pain - weight lifter. *Med & Science Spts & Exer*, 2003;35(5) Supplement:S312.

Updated 9/25/07

TAB 23

CURRICULUM VITAE

NAME: Anthony P. Yates, M.D.

BIRTHDATE: April 3, 1947

HOME ADDRESS: Hillside Drive
Sewickley, PA 15143

BUSINESS ADDRESS: UPMC Downtown
339 Sixth Avenue, Fifth Floor
Pittsburgh, PA 15222
(412) 560-8762
FAX: (412) 281-7012

Currently Employed Multispecialty Group UPMC-CMI, Internal Medicine
and Cardiopulmonary Diseases – UPMC Downtown

Co-director Corporate Health Program – UPMC
Medical Director DOD Programs Office/IMITS

Formerly Employed Multispecialty Group Allegheny Integrated Health
Group. Address: 320 East North Avenue, Pittsburgh, PA 15212

Formerly in Private Practice - Multi-specialty Group, Internal Medicine
and Cardiopulmonary Diseases, Diagnostic Medical Associates
Site of Practice: 125 Seventh Street, Pittsburgh, PA 15222

MEDICAL LICENSE: Pennsylvania (MD 15412E)

EDUCATION

1965 - 1969 Undergraduate Training, St. Vincent College
Degree: Bachelor of Science Biology

1969 - 1973 Medical Training, George Washington University
Degree: M.D.

1973 - 1977 Internship and Residency - Six months Roger
Williams (Providence, RI) and six months
West Penn Hospital in Internal Medicine;
Fellowship/Pulmonary Medicine

1976 - 1977 Critical Care Medicine - West Penn Hospital
Burn Unit, Pulmonary Medicine

1977 Board Certified Internal Medicine

EDUCATION (CONTINUED)

1979

Fellowship American College of Physicians

CME - MKSAT - American College of Physicians

V - 1980

VI - 1983

VII - 1986

VIII - 1989

IX - 1992 (150 CME credits)

X - 1995

XI - 1998

XII - 2002

XIII - 2006

AMA Physicians Recognition Award 1977 through present (August, 2004)

American College of Physicians 1977 New Orleans

Dermatology, American College of Physicians 1982

Physician Workshop: Cardiac Ultrasound February, 1987

Aviation Medicine; Federal Aviation Aeronautics April, 1990

Arrhythmia Interpretation; Medical Education Resources July, 1991

Pediatric/Adult Allergy 1991: University of Buffalo School of Medicine

FAA Certification Ongoing Course, New Orleans February, 1996

FAA Certification Ongoing Course, Charleston, NC October 28, 2001

CPR January 25, 2002; November 16, 2005

FAA Certification Ongoing Course, McLean Virginia August 6, 2004.

FAA Recognition for 25 years of service as Aviation Medical Examiner, August 6, 2004

Pennsylvania Medical Society Continuing Medical Education Certification, met 100 credit requirement, January 1, 2005 – December 31, 2006

MEMBERSHIPS

Allegheny County Medical Society

Former member, American Burn Association

Former member, American College of Chest Physicians

American College of Sports Medicine

American Medical Association

Fellow American College of Physicians

National Football League Physicians Association

Former member, Society of Critical Care Medicine - Council Member

American College of Occupational & Environmental Medicine

Pennsylvania Medical Society

Former Board of Pennsylvania Athletic Trainer's Society

National Football League Sub-Committee and Cardiovascular Disease and Risk Prevention in the Athlete.

STAFF PRIVILEGES

Associate Staff UPMC South Side Hospital

Active Staff UPMC Presbyterian Hospital/Shadyside

Previous Staff Privileges at Mercy Providence Hospital

Previous Staff Privileges at West Penn Hospital

Previous Staff Privileges at North Hills Passavant Hospital

Previous Staff Privileges at St. Francis Hospital

Previous Assistant Attending Staff in the Department of Medicine, Division of General Internal Medicine Allegheny General Hospital

APPOINTMENTS

Clinical Assistant Professor of Medicine, University of Pittsburgh School of Medicine
Previous Director of Intensive Care Unit, Divine Providence Hospital
Previous Medical Director Cardio-Respiratory Department, Divine Providence Hospital
Former Pulmonary Consultant, Burn Unit, West Penn Hospital
Medical Director, Team Physician, Pittsburgh Steeler Football Club
Former Chairman Department of Medicine, Mercy Providence Hospital
Former Board Member, Mercy Cancer Institute
Former Board of Trustees, Pittsburgh Mercy Health System
Advisory Panel - Consultant, GlaxoWellcome, Inc., Pinehurst, North Carolina July, 1999, NFL Asthma Awareness
Chairman - Risk Committee UPMC-CMI - 2005 to present
Member NFL - Cardiovascular Risk - CVD 2005 to present
Executive Committee Member NFLPS 2007

PUBLICATIONS/LECTURES/SERVICES

Methotrexate and Leucovorin Rescue for Head & Neck Cancer; Oncology Protocol - J. B. Hill, M.D. and A. P. Yates, M.D.; West Penn Hospital 1975.

Critical Care Medicine - I. W. Goldfarb, M.D. and A. P. Yates, M.D.; Synapse Publication - Pittsburgh 1977

Pituitary Apoplexy - I. W. Goldfarb, M.D. and A. P. Yates, M.D.; West Penn Bulletin 1977

Respiratory Failure - A. P. Yates, M.D.; West Penn Bulletin, 1978

Emergency - A Practical Manual - A. P. Yates, M.D., I. W. Goldfarb, M.D. and A. Schattner, M.D.; Synapse Publication, 1978

Total Parenteral Nutrition - I. W. Goldfarb, M.D. and A. P. Yates, M.D.; Synapse Publication, 1978

Multiple System Failure, Acute Sequela of the Shock State - A. P. Yates, M.D. One of twelve monographs for the Masters of Surgery

Collection in conjunction with audiovisual VHS distributed by Glaxo 1985

Cervical Spine Injuries of Athletes - J. C. Maroon & J. Bailes (A. P. Yates, M.D. - Medical Consultant)

Masters of Sports Medicine Monographs and Audiovisual VHS tape distributed by Glaxo Pharmaceutical 1991

Assessment of Respiratory Status for EMT, Divine Providence Hospital, Pittsburgh, PA Spring 1991 (Lecture)

National Football League Physicians Society Conference 1992 -

- 1) Medical Issues - Asthma and Pulmonary Abnormalities;
- 2) Cold Weather - Hypothermia (Lectures 2)

Assessing Closed Head Injuries; Maroon, J. C., Bailes, J. E., Yates, A. P., and J. Norwig; The Physician and Sport Medicine Vol 20 No. 4 April, 1992.

PUBLICATIONS/LECTURES/SERVICES (CONTINUED)

Sports Medicine 1994: An NFL Perspective, Washington, D.C. March 27, 1994. Session entitled Medical Screening and Weather Conditions - "Cold Weather".

Health Matters: "Smoking: Time to Quit". KDKA-TV November 6, 1994.

Sports-Related Concussion: Neurologic and Neuropsychological Evaluation and Management. Panel Member - Topic "Major and Minor Injuries, Cerebral Athletes Perspective on Concussion" Day Two. Course Sponsor Allegheny General Hospital March 22-23, 1996.

National Football League Physicians Society in conjunction with the American Orthopedic College of Sports Medicine Conference May, 1997 -

- 1) Medical Legal Considerations in the Training Room;
- 2) Asthma and Treatment in the Profession Athlete

National Football League Physicians Society in conjunction with the American Orthopedic Society for Sports Medicine Conference, May, 1999 - "Sudden Cardiac Death in the Athlete"

Lecture - "Athletes and Asthma", Mon Valley Hospital, CME Conference 10/18/00

National Football League Physicians Society in conjunction with the American Orthopedic Society for Sports Medicine Conference, May, 2001 - "Sudden Cardiac Death in the Athlete"

Sports-Related Concussion: Second annual sports concussion conference— Topic "New Development in Sports-Related Concussion". Panel Member – Professional athlete/team physician panel discussion on concussion management. Course Sponsor UPMC Health System July 19-21, 2002

New Developments In The Evaluation of Sports-Related Concussion – Mark Lovell, PhD, ABPN, John Norwig, MD, ATC, Ryan Grove MS, ATC, Michael Collins, PhD, Joseph Maroon, M.D., James Bradley, M.D., Anthony Yates, M.D.; Pro Football Athletic Trainer; Summer 2002; Vol. 20, No.1

Speaker: Sudden Cardiac Death in the Athlete. SPORTS MEDICINE 2003: An NFL Perspective. The American Orthopaedic Society for Sports Medicine May 8 – May 10, 2003.

New Developments in Sports Related Concussion, July 16-18, 2004. Round table discussion the athlete's perspective, Drs. Maroon, Burke, Bradley, and Yates, Panel Professional Athletes.

Management of Cerebral Concussion in Military Personnel: Lessons Learned from Sports Medicine – Mark Lovell, PhD, Micky Collins, PhD, Jamie E. Pardini, PhD, Andrea Parodi, RN, MSN, DSN, Anthony P. Yates, M.D.; Elsevier Inc., 2005.

PUBLICATIONS/LECTURES/SERVICES (CONTINUED)

Principal Investigator Omega 3 & CV Risk Marker in Active NFL Players – Grant
NFL Charities \$75,000 – 2006

National Football League Physicians Society in conjunction with American
Orthopedic Society for Sports Medicine Conference, May 2006 – Athletes and
Asthma – Presenter and Moderator.