

CURRICULUM VITAE

ROBERT CLARK CANTU, M.A., M.D., FACS, FAANS, FICS, FACSM

NAME: Robert Clark Cantu, MA, M.D., F.A.C.S., F.A.A.N.S., F.I.C.S., F.A.C.S.M.
DATE OF BIRTH: August 31, 1938
BIRTHPLACE: Santa Rosa, California
PRESENT POSITIONS: Chief, Neurosurgery Service, Chairman Department of Surgery
Director, Service of Sports Medicine
Emerson Hospital, Concord, MA 01742
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Clinical Professor Neurology and Neurosurgery, Boston University School of Medicine, Co-Founder Center for The Study of Traumatic Encephalopathy (CSTE), Boston University Medical Center, Boston, MA
Senior Advisor to NFL's Head, Neck and Spine Committee
Member/Co-Chair Equipment and Rules Committee NFLPA Mackey/White TBI Committee
Adjunct Staff Department Neurosurgery, Senior Advisor Brain Injury Center Children's Hospital Boston, Boston, MA
Adjunct Professor, Exercise and Sport Science, University North Carolina, Chapel Hill, NC
Medical Director, National Center for Catastrophic Sports Injury Research, Chapel Hill, NC
Clinical Instructor in Pediatrics, Boston University School of Medicine
Neurosurgical Consultant Boston College Eagles football team
Co-Director, Neurologic Sports Injury Center at Brigham and Women's Hospital, Boston, MA
Co-Founder and Medical Director Sports Legacy Institute (SLI), Waltham, MA

EDUCATION: 1960 B.A. University of California, Berkeley
1962 M.A. University of California, San Francisco
1963 M.D. University of California, San Francisco

PROFESSIONAL EXPERIENCE:

1963 - 1964 **Intern in Surgery, Columbia-Presbyterian Hospital, New York, NY**
1964 - 1967 **Assistant Resident in Neurosurgery, Massachusetts General Hospital**
1964 - 1967 **Research Fellow in Physiology, Harvard Medical School**
1967 - 1968 **Chief Resident in Neurosurgery, Boston City Hospital**
1967 - 1968 **Teaching Fellow in Surgery, Harvard Medical School**
1967 - 1968 **Clinical Assistant in Neurosurgery, Massachusetts General Hospital**
1968 - 1973 **Clinical and Research Fellow in Neurosurgery, Massachusetts General Hospital**
1968 - 1969 **Assistant in Surgery, Harvard Medical School**
1969 - 1973 **Instructor in Surgery, Harvard Medical School**
1968 - 1970 **Acting Assistant Director Neurosurgery, Boston City Hospital**
1968 - 1970 **Director of Pediatric Neurosurgery, Boston City Hospital**
1968 - 1973 **Clinical Associate in Neurosurgery, Massachusetts General Hospital**
1968 - **Chief of Neurosurgery Service, Emerson Hospital, Concord, MA**
1970 - 1995 **Neurosurgical Consultant, Cutler Army Hospital, Fort Devens, MA**
1970 - 1975 **Neurosurgical Consultant, Nashoba Community Hospital, Ayer, MA**
1976 - 1978 **Chief of Neurosurgery Service, Nashoba Community Hospital, Ayer, MA**
1979 - 1980 **Chairman, Department of Surgery, Emerson Hospital, Concord, MA**
1980 - **Director, Service of Sports Medicine, Emerson Hospital, Concord, MA**
1989 - 1991 **Chairman, Department of Surgery, Emerson Hospital, Concord, MA**
1989 - **Medical Director, National Center for Catastrophic Sports Injury Research**
1991 - 1993 **Board of Trustees, Emerson Hospital, Concord, MA**
1991 - 1993 **Director, Emerson Health System, Inc.**
1992 - 1993 **President, American College of Sports Medicine**
1994 - **Clinical Instructor in Pediatrics, Boston University School of Medicine**
1994 - **Board of Trustees, National Operating Committee on Standards For Athletic Equipment (NOCSAE)**

1996 - **Vice-President**, National Operating Committee on Standards for Athletic Equipment (NOCSAE)
1994 - **Board of Advisors**, National Youth Sports Foundation for the Prevention of Athletic Injuries, Inc.
1998 - 2000 **Scientific Advisory Panel on Sports Medicine**, Knoll Pharmaceutical Company
1998 - 2000 **Advisory Committee for Injury Prevention**, Centers For Disease Control, Atlanta, GA
2000 - **Executive Committee Joint Section on Neurotrauma**,
Congress Neurological Surgeons/American Association Neurological Surgeons
2002 - 2005 **Editorial Board**, Journal of Athletic Training
2001 - **Co-Chairman**, NASCAR Safety Task Force, American College Sports Medicine, Indianapolis, IN
2002 - **Editorial Board**, Current Sports Medicine Reports
2002 - **Editorial Board**, American Journal of Medicine & Sports
2002 - **Neurosurgical Consultant**, Boston College Eagles football team
2003-2010 **Neurosurgical Consultant**, Boston Cannons professional Lacrosse team
2003 - **Editorial Board Principal Sports**, *Neurosurgery*
2003- **Adjunct Appointment**, Brigham and Women’s Hospital, Boston, MA
2004-2010 **Chairman, Department of Surgery**, Emerson Hospital Concord, MA
2005- **Board of Directors**, Massachusetts Brain Injury Association, Westborough, MA
2007- **Medical Advisory Board of the State Boxing Commission**, Boston, MA
2007 - **Founding Member and Medical Director Sports Legacy Institute (SLI)**, Waltham, MA
2007 - **Clinical Professor Neurosurgery**, Boston University School of Medicine, Boston, MA
2009 -2013 **Co-Director Center for The Study of Traumatic Encephalopathy (CSTE)**, Boston University
Medical Center, Boston, MA
2010 - **Senior Advisor to NFL’s Head, Neck and Spine Committee**
2010- **Fellow of the American Association of Neurological Surgeons (FAANS)**
2010 - **Member/Co-Chair Equipment and Rules Committee, NFLPA Mackey/White TBI Committee**
2010- **Fellow American Association Neurological Surgeons**
2012 - **Adjunct Staff Department Neurosurgery, Senior Advisor Brain Injury Center Children’s
Hospital Boston, Boston, MA**
2013 - **International Rugby Board Concussion Advisory Group – United Kingdom**
2014- **Clinical Diagnostics and Therapeutics Leader CTEC, member BUADC Executive Committee**
2015- **Medical Director and Director of Clinical Research**, Cantu Concussion Center, Concord, MA

SERVICE TO PROFESSIONAL SOCIETIES

NATIONAL SOCIETIES:

American College of Sports Medicine	1978 -
Board of Trustees	1984 - 1994
	1996 - 1999
Ambassador	1988 –
President-elect:	American College of Sports Medicine, 1991 - 1992
President:	American College of Sports Medicine, 1992 - 1993
Treasurer:	American College of Sports Medicine, 1996 – 1999
Associate Editor:	<u>Medicine and Science in Sports and Exercise,</u> 1986 - 1998
Associate Editor:	<u>Exercise and Sports Science Reviews,</u> 1986 - 2000
Editorial Board:	<u>The Physician and Sportsmedicine,</u> 1989 -
Editorial Board:	<u>Clinical Journal of Sports Medicine,</u> 1991 -
Editorial Board:	<u>Journal Athletic Training,</u> 2000 – 2005
Editorial Board:	<u>Neurosurgery: Sports Section</u> 2003 –

American Association of Neurological Surgeons

Chairman, Sports Medicine Section, 1985 – 1988

American Medical Tennis Association
Board of Directors, 1984 – 1987

REGIONAL SOCIETIES:

New England Chapter, American College of Sports Medicine

Executive Committee: 1980 - 1982
President: 1981 - 1982
Board of Trustees: 1982 - (**Chairman**, 1983)

PROFESSIONAL CONSULTANT:

1983 - 1985 Advisory editor in sports medicine to The Collamore Press, Lexington, MA
1984 - Technical advisor, Milner-Fenwick Company, Baltimore, MD
1985 - Consultant, United States of America Amateur Boxing Federation, Inc.
1986 - Consultant, Exercycle Corporation, Woonsocket, RI
1986 - 1988 Consultant, Reebok Corporation, Avon, MA
1988 - 1990 Consultant, Nautilus Company, Independence, VA
1994 - Athletic Advisory Board, Hartwell Medical
1994 - 2000 Consultant, NordicTrack, Chaska, MN
1998 - 2000 Scientific Advisory Panel on Sports Medicine. Knoll Pharmaceutical Co.
2000- Executive Committee Joint Section on Neurotrauma, Congress Neurological Surgeons/American
 Association Neurological Surgeons
2002-2005 Editorial Board, Journal of Athletic Training
2002- Neurosurgical Consultant to Boston College Eagles football team
2003-2010 Neurosurgical Consultant to Boston Cannons professional Lacrosse team
2003 Principal – Sports Section, *Neurosurgery*
2003- NOCSAE Consultant to the NFL Concussion Committee
2004- Board of Directors, Massachusetts Brain Injury Association, Westborough, MA
2007- Medical Advisory Board of the State Boxing Commission, Massachusetts
2007 - Founding Member and Chairman Medical Advisory Board Sports Legacy Institute, Waltham, MA
2014 - International Rugby Board Advisory Board – United Kingdom

FELLOWSHIPS:

1975 **Fellow**, American College of Surgeons
1981 **Fellow**, International College of Surgeons
1981 **Fellow**, American College of Sports Medicine
2010 **Fellow**, American Association Neurological Surgeons (FAANS)

HONORS AND AWARDS:

California Scholastic Federation Award
Kraft Award (top twenty freshmen), University of California, Berkeley, 1956-57
Borden Research Award, 1963
Microcirculatory Travel Award, 1963
Candidate Group Prize, Massachusetts Chapter, American College of Surgeons, 1969
Honor Award in Medicine, New England Chapter, American College of Sports Medicine, 1987
Distinguished Service Award, American Association for the Improvement of Boxing, 1991
Rocky Marciano Medical Award, American Association for the Improvement of Boxing, 1995
Citation Award, American College of Sports Medicine, 1996
Special Citation Award, New England Chapter, American College Sports Medicine, 2002
Educator of the Year Award from the American Association of Professional Ringside Physicians 2004
Dr.Ernst Jokl Sports Medicine Award 2010 from The United States Sports Academy 2010

Community Clinician of the Year 2013 from The Middlesex Central District Medical Society and The Massachusetts Medical Society
ETHOS Award, Institute for Sports Law and Ethics, University of Santa Clara 2014
Wise Up! Pioneer “Grandfather of the Concussion Movement” Award 2014

LICENSES TO PRACTICE MEDICINE:

By written examination in California, 1963 #: 21223
By written examination in Massachusetts, 1964 #: 28386

SPECIALTY BOARD CERTIFICATION:

American Board of Neurological Surgery, 1970

MEMBERSHIPS:

Social Fraternities: Phi Kappa Psi
Nu Sigma Nu (President, Phi Chapter, 1962-1963)
Scholastic Fraternities California Scholastic Federation
Tower and Flame
Phi Eta Sigma
Phi Beta Kappa (junior year)
Alpha Omega Alpha

PROFESSIONAL SOCIETIES:

American Academy of Sports Physicians
American Association for the Advancement of Science
American Association for the Improvement of Boxing
American Association of Neurological Surgeons
American Association of Professional Ringside Physicians
American Association for the History of Medicine
American College of Angiography
American College of Sports Medicine
American College of Surgeons
American Federation of Clinical Research
American Heart Association
American Medical Association
American Physiology Society
American Society for Pharmacology and Experimental Biology
California (Medical) Alumni Society
Congress of Neurological Surgeons
International College of Surgeons
International Society for Pediatric Neurosurgery
Massachusetts Medical Benevolent Society
Massachusetts Medical Society
Microcirculatory Society
New England Neurosurgical Society
North American Spine Society
Presbyterian Hospital Alumni Society
Society of Military Surgeons
Society of Neuroscience

BACKGROUND SUMMARY

Currently Dr. Cantu's professional responsibilities include those of Clinical Professor of Neurology and Neurosurgery and Co-Director [Center for the Study of Traumatic Encephalopathy, Boston University School of Medicine](#), Boston, MA; Founding member and Medical Director [Sports Legacy Institute](#), Waltham, MA; Adjunct Professor Exercise and Sport Science and Medical Director [National Center for Catastrophic Sports Injury Research, University of North Carolina](#), Chapel Hill, NC; Co-Director, [Neurologic Sports Injury Center, Brigham and Women's Hospital](#), Adjunct Staff Department Neurosurgery and Senior Advisor Brain Injury Center [Children's Hospital Boston](#), Boston, MA; Boston, Chief of Neurosurgery Service, Associate Chairman Department of Surgery, and Director of Sports Medicine at [Emerson Hospital](#) in Concord, Massachusetts, Neurosurgical Consultant Boston Eagles football team. He has authored over 394 scientific publications, including 32 books on neurology and sports medicine, in addition to numerous book chapters, peer-reviewed papers, abstracts and free communications, and educational videos. He has served as associate editor of [Medicine and Science in Sports and Exercise](#) and [Exercise and Sports Science Review](#), and on the editorial board of [The Physician and Sports Medicine](#), [Clinical Journal of Sports Medicine](#), and [Journal of Athletic Training](#). In 2003 Dr. Cantu became the section head for the Sports Medicine Section of *Neurosurgery*.

He grew up in the northern California community of Santa Rosa. In 1960, he received his B.A. degree from the University of California Berkley where he pitched on the varsity baseball team. Jointly, in medical school and graduate school, he received his M.A. degree in endocrinology in 1962, and in 1963, his M.D. from the University of California Medical School in San Francisco. Following a surgical internship at Columbia-Presbyterian Hospital in New York City in 1963-1964, he began a neurosurgery residency at Massachusetts General Hospital in Boston, and simultaneous position of research fellow in physiology at Harvard Medical School. Upon completion of his residency in 1968, he joined the neurosurgery staff at MGH, where his practice and laboratory were located, while assuming the position of acting assistant director of neurosurgery and director of pediatric neurosurgery at Boston City Hospital. After five years of academic neurosurgery with Harvard Hospitals, Dr. Cantu entered private neurosurgery practice at the suburban Emerson Hospital in Concord, Massachusetts where he currently serves as Chairman Department of Surgery, Chief Neurosurgical Service and Director Service of Sports Medicine.

In addition to his professional responsibilities, Dr. Cantu is medical director of the [National Center for Catastrophic Sports Injury Research, located in Chapel Hill, North Carolina](#), an ongoing registry instituted in 1982 for data collection and analysis of spine and head injuries. From this data important contributions have been made in sport safety and accident reduction; most notably football rule changes concerning tackling and blocking with the head, the establishment of football helmet standards, improved on-the-field medical care, and coaching techniques. He also serves on the Board of Trustees as Vice President and chairman of scientific committee of [NOCSAE](#) (National Operating Committee on Standards for Athletic Equipment).

Dr. Cantu also is Co-Director of the Neurological Sports Injury Center at Brigham and Women's Hospital in Boston, MA.

For many years, Dr. Cantu has been actively involved with the American College of Sports Medicine (ACSM), the oldest and largest sports medicine and exercise science organization in the world, and served as President of this organization from 1992 to 1993 and served as treasurer from 1996 to 1999. Dr. Cantu has received recognition from the college being named as the recipient of their Citation Award in 1996. This year Dr. Cantu gave the organizations most prestigious J.B. Dill Lecture on the History of Concussions at ACSM's annual meeting in New Orleans.

As spokesperson for ACSM, he has participated in nationally televised sports programs speaking on diverse sports issues and has appeared on "Larry King Live" discussing the Chris Benoit case in conjunction with Chris' father Michael Benoit, "ESPN Outside the Lines" discussing the Chris Benoit case, Canadian Television also discussing the Chris Benoit case as well as other media avenues, "NFL Today" with Bryant Gumbel and Terry Bradshaw, discussing the effect of artificial turf on cervical spine injuries, and football injuries on CNBC's "The Real Story". He has been interviewed for World News Tonight with Peter Jennings, CBS Evening News with Katie Couric, Dan Rather, and NBC Evening News with Brian Williams regarding gender and concussion incidence. He has been a spokesperson for ACSM on NASCAR deaths and safety issues surrounding NASCAR and has been interviewed for "World News Tonight" with Peter Jennings regarding NASCAR deaths and specifically Dale Earnhardt's death as well as safety issues in auto racing. Dr. Cantu also appeared on "ABC World News Tonight" with Bob Jamison regarding the Korey Stringer death from heat stroke as well as WGBH Channel 2 in Boston, NPR radio interview, WEEI Boston radio interview and ESPN's "Outside the Lines", all discussing the issue of heat stroke. He has discussed the health issues of football players with Mary Carillo on HBO's Inside the NFL and has done an interview regarding sports related injuries in cheerleading on Inside the NFL. Dr. Cantu has also been interviewed by Bob Costas on HBO's Inside the NFL regarding Concussion in Professional Sports and was the key speaker on Designer Steroids for Comcast Cable Network. Dr. Cantu is currently serving as the Consultant for NOCSAE to the NFL Concussion

Committee and Co-Chairman for the NASCAR Safety Task Force with ACSM. Dr. Cantu has done safety presentations for drivers and teams of CART as well as NASCAR. Dr. Cantu has been interviewed by ESPN Outside the Lines Tom Friend regarding Baby Joe Mesi and his return to boxing after a controversial subdural hematoma. Dr. Cantu continues to be an outspoken advocate for the sport of boxing and continues to advocate for the safety of that sport and its participants. Recently Dr. Cantu has done several interviews on Concussion in the NFL with ESPN, HBO and the Boston area news channels. Dr. Cantu has recently been involved with the NFL meeting in NYC regarding concussions and guidelines for concussions with Roger Goodell. Most recently Dr. Cantu has appeared on Brian Williams Rock Center with Kate Snow discussing concussion issues.

As an author of numerous books as well as articles on sports medicine topics, he is frequently invited to participate in symposiums addressing a wide range of sports medicine topics including anabolic steroid use; eating disorders in female athletes; acute and chronic brain injury in boxing; and on-the-field evaluation and medical management and return to play guidelines following head and spine sports injuries. *Dr. Cantu's most recent book "Concussion and Our Kids" was released September 19, 2012 from Houghton Mifflin Harcourt.*

He has served as a consultant to many scholastic and professional athletes on the return to collision sports after a head injury or spine injury, and is active speaking on a variety of health-related interests including the overall benefits of moderate regular exercise; the special health and exercise concerns of senior citizens; and sports safety issues with high school athletic trainers, coaches, students and parents. He currently serves as the Neurosurgical consultant to the Boston College Eagles Football team and served as the Neurosurgical consultant to the Boston Cannons professional Lacrosse team from 2003 to 2010. He recently was asked by the NFL Commissioner Roger Goodell to give two presentations at the NFL's concussion meeting in Chicago.

Practicing what he preaches, Dr. Cantu has enjoyed long-distance running since 1967. An official entrant in many Boston Marathons, he has also enjoyed the "long runs" at Newport and New York City,. Besides running, Dr. Cantu is a serious tennis player, for many years ranked in the men's senior singles in New England (NELTA) region. Dr. Cantu has two children, Rob and Elizabeth and a grandchild Jeremy and lives with his wife Tina in Lincoln, Massachusetts.

PUBLICATIONS: 394

BOOK CHAPTERS	90
REFEREED ARTICLES	179
BOOKS	32
NON-REFEREED ARTICLES	46
ABSTRACTS AND FREE COMMUNICATIONS	29
SPORTS MEDICINE EDUCATIONAL VIDEOS	15
IN PRESS	3

BOOK CHAPTERS

1. **Cantu RC**: The treatment and prevention of athletic low back injuries, in Vinger FP, Hoerner EF (ed): Sports Injuries: the Unthwarted Epidemic, Littleton, PSG Publishing, Inc, 1980.
2. **Cantu RC**: Nutrition and endurance exercise: Facts, myths, speculations, in **Cantu RC** (ed): Health Maintenance Through Physical Conditioning, Littleton, Wright-PSG Publishing, Inc, 1981.
3. **Cantu RC**: The prevention of athletic head and spine injuries, in **Cantu RC** (ed): Health Maintenance Through Physical Conditioning, Littleton, Wright-PSG Publishing, Inc, 1981.
4. **Cantu RC**, Day RG: Corporate fitness centers, in **Cantu RC** (ed): The Exercising Adult, Lexington, The Collamore Press, D.C. Heath & Co, 1981.
5. **Cantu RC**: Head and cervical spine injuries, in **Cantu RC** (ed): The Exercising Adult, Lexington, The Collamore Press, D.C. Heath & Co, 1981.
6. **Cantu RC**: Lumbar spine injuries, in **Cantu RC** (ed): The Exercising Adult, Lexington, The Collamore Press, D.C. Heath & Co, 1981.
7. **Cantu RC**: Conditioning the cardiovascular system, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
8. **Cantu RC**: Nutrition for sports, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
9. **Cantu RC**: Exercise and life-style modifications in primary care practice, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
10. **Cantu RC**: Writing a precise aerobic exercise prescription, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
11. **Cantu RC**: Sports injuries in young athletes, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
12. **Cantu RC**: The sports medicine bag of the primary care team physician, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
13. **Cantu RC**: Head and neck injuries, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
14. **Cantu RC**: Lumbar spine injuries, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
15. **Cantu RC**: Torso and genitourinary tract injuries, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
16. **Cantu RC**: Upper extremity injuries, in **Cantu RC** (ed): Sports Medicine in Primary Care, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
17. **Cantu RC**: Sports and the handicapped child, in Micheli LJ (ed): Sports Injuries in the Child and Adolescent, Boston, Little Brown & Co, 1982.
18. **Cantu RC**: Techniques of spinal fusion, in Schmidek HH, Sweet W (ed): Current Techniques in Operative Neurosurgery, Orlando, Grune & Stratton, Inc, 1982.

19. **Cantu RC**: Epidemiology, biomechanics, and diagnoses of head and cervical spine injuries, in **Cantu RC** (ed): Sports Medicine-Sports Science: Bridging the Gap, Lexington, The Collamore Press, D.C. Heath & Co, 1982.
20. **Cantu RC**: Intracranial injuries, in Butler RB, Moore MJ, **Cantu RC** (ed): Neurology in Primary Care, New York, MacMillan Publishing Co, 1985.
21. **Cantu RC**: Cervical, thoracic and lumbar spine injuries, in Butler RB, Moore MJ, **Cantu RC** (ed): Neurology in Primary Care, New York, MacMillan Publishing Co, 1985.
22. **Cantu RC**: Intervertebral disc disease: Acute rupture, spondylosis and spinal stenosis, in Bulter RB, Moore MJ, **Cantu RC** (ed): Neurology in Primary Care, New York, MacMillan Publishing Co, 1985.
23. **Cantu RC**: Head and spine injuries in the young athlete, in Micheli LJ (ed): Clinics in Sports Medicine: Injuries in the Young Athlete. Philadelphia, W.B. Saunders Co, 1988.
24. **Cantu RC**: Techniques of fusion in the cervical, thoracic, and lumbar spine, in Schmidek HH, Sweet WH (ed): Operative Neurosurgical Techniques: Indications, Methods and Results, ed 2. Orlando, Grune & Stratton, Inc, 1988.
25. **Cantu RC**: Head injury in sports, in Grana WA, Lombardo JA (ed): Advances in Sports Medicine and Fitness, vol 2. Chicago, Year Book Medical Publishers, 1989.
26. **Cantu RC**: Head and neck injuries, in Mueller FO, Ryan A (ed): The Sports Medicine Team and Athletic Injury Prevention. Philadelphia, F.A. Davis Co, 1990.
27. **Cantu RC**: Osseous fusion of the cervical, thoracic, and lumbar spine with primary and metastatic spine tumors, in Schmidek HH, Schiller AL, Rosenthal DI, Sundaresan N (ed): Tumors of the Spine: Diagnosis and Clinical Management, Philadelphia, W.B. Saunders Company, 1990.
28. **Cantu RC**: Criteria for return to competition following a closed head injury, in Torg JS (ed): Athletic Injuries to the Head, Neck, and Face, ed 2. Chicago, Year Book Medical Publishers, 1991.
29. **Cantu RC**: Position statement of the American Medical Association on boxing: Analysis and perspective, in Torg JS (ed): Athletic Injuries to the Head, Neck, and Face, ed 2. Chicago, Year Book Medical Publishers, 1991.
30. **Cantu RC**: The nervous system, in Strauss RH (ed): Sports Medicine, ed 2. Philadelphia, W.B. Saunders Co, 1991.
31. **Cantu RC**: Minor head injuries in sports, in Dymont PG (ed): Adolescent Medicine: State of the Art Reviews, 2(1). Philadelphia, Hanley & Belfus, Inc, 1991.
32. Mueller FO, **Cantu RC**: The annual survey of catastrophic football injuries: 1977-1988, in Holloszy JO (ed): Exercise and Sport Sciences Reviews, vol 19. Baltimore, Williams & Wilkins, 1991.
33. **Cantu RC**: Transportation/immobilization: Criteria for return to competition after head or cervical spine injury, in **Cantu RC**, Micheli LJ (ed): American College of Sports Medicine: Guidelines for the Team Physician, Philadelphia, Lea & Febiger, 1991.
34. Young JE, **Cantu RC**: Life-threatening emergencies, in **Cantu RC**, Micheli LJ (ed): American College of Sports Medicine: Guidelines for the Team Physician. Philadelphia, Lea & Febiger, 1991.
35. **Cantu RC**: Criteria for return to competition after head or cervical spine injury, in **Cantu RC**, Micheli LJ (ed): American College of Sports Medicine: Guidelines for the Team Physician. Philadelphia, Lea & Febiger, 1991.
36. Mueller FO, **Cantu RC**: Annual survey of catastrophic football injuries: 1977-1992, in Hoerner EF (ed): Head and Neck Injuries in Sports. Philadelphia, ASTM, 1994.

37. **Cantu RC**: How to make professional boxing safer: the American Medical Association controversy, in Hoerner EF (ed): Head and Neck Injuries in Sports. Philadelphia, ASTM, 1994.
38. **Cantu RC**: Medicine's stand on boxing in the 20th century, in **Cantu RC** (ed): Boxing and Medicine. Champaign, Human Kinetics, 1995.
39. **Cantu RC**: Brain injuries, in **Cantu RC** (ed): Boxing and Medicine. Champaign, Human Kinetics, 1995.
40. **Cantu RC**: How to make professional boxing safer, in **Cantu RC** (ed): Boxing and Medicine. Champaign, Human Kinetics, 1995.
41. **Cantu RC**: Sports medicine aspects of cervical spinal stenosis, in Exercise and Sports Science Reviews, vol 23. Baltimore, Williams & Wilkins, 1995.
42. **Cantu RC**: Head and spine injuries in youth sports, in Micheli LJ (ed): Clinics in Sports Medicine, vol 14(3). Philadelphia, W.B. Saunders Company, 1995.
43. **Cantu RC**: Head and neck injuries, in Kibler WB (ed): American College of Sports Medicine: Handbook for the Team Physician. Baltimore, Williams & Wilkins, 1996.
44. **Cantu RC**: Diagnosis and management of concussion, in Sallis RE, Massimino F (ed): American College of Sports Medicine: Essentials of Sports Medicine. St. Louis, Mosby Year-Book, 1996.
45. **Cantu RC**: Diagnosis and management of concussion, in Sallis RE, Allen ME, Massimino F (ed): American College of Sports Medicine: Sports Medicine Review. St. Louis, Mosby Year-Book, 1996.
46. Cantu RV, **Cantu RC**, Wilberger JE: Sports-related spinal cord injury, in Narayan RK, Wilberger JE, Povlishnock JT (ed): Neurotrauma. New York, McGraw-Hill, 1996.
47. **Cantu RC**: Guidelines for return to contact sports in Hoerner EF (ed): Safety in American Football. West Conshohocken, ASTM, 1996.
48. **Cantu RC**: Catastrophic head and spine injuries, in Mueller FO, **Cantu RC**, Van Camp SP (ed): Catastrophic Injuries in High School and College Sports. Champaign, Human Kinetics, 1996.
49. **Cantu RC**: Second Impact Syndrome, in **Cantu RC** (ed): Clinics In Sports Medicine: Neurologic Athletic Head and Neck Injuries. Philadelphia, W.B. Saunders Company, 1998.
50. **Cantu RC**: Return to Play Guidelines After a Head Injury, in **Cantu RC** (ed): Clinics In Sports Medicine: Neurologic Athletic Head and Neck Injuries. Philadelphia, W.B. Saunders Company, 1998.
51. **Cantu RC**: The Cervical Spinal Stenosis Controversy, in **Cantu RC** (ed): Clinics in Sports Medicine: Neurologic Athletic Head and Neck Injuries. Philadelphia, W.B. Saunders Company, 1998.
52. **Cantu RC**, Bailes JE, Wilberger JE: Guidelines for Return to Contact or Collision Sport After a Cervical Spine Injury, in **Cantu RC** (ed): Clinics In Sports Medicine: Neurologic Athletic Head and Neck Injuries. Philadelphia, W.B. Saunders Company, 1998.
53. **Cantu RC**: Head Injuries, in Safran M (ed): Spiral Manual of Sports Medicine. New York, Lippencott-Raven Publishers, 1998.
54. Proctor MR, **Cantu RC**: Head and Neck Injuries in Young Athletes, In Clinics and Sports Medicine. WB Saunders Company, 2000.
55. **Cantu RC**: Classifications and Clinical Management of Concussion, In Sports Medicine and Neurosurgery, 2000, The American Association of Neurological Surgeons.

56. **Cantu RC:** Cervical Spine Injuries in the Athlete, In Seminars in Neurology on Sports Neurology. Michael Cherington, editor 2000.
57. **Cantu RC:** Injuries to the Head and Cervical Spine, In Textbook Paediatric Exercise Science and Medicine. Willem van Mechelen and Neil Armstrong, editors, Oxford Press, 2000.
58. **Cantu RC:** Overview of Concussion, Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
59. **Cantu RC:** Life Threatening Head Injuries: Malignant Brain Edema and Second Impact Syndrome. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
60. **Cantu RC:** Guidelines for Safe Return to Play After Athletic Head and Neck Injuries. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
61. **Cantu RC:** Cervical Spinal Stenosis: Diagnosis and Return to Play Issues. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
62. **Cantu RC:** Guidelines for Return to Contact or Collision Sport After a Cervical Spine Injury. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
63. **Cantu RC:** Biomechanics of Head Injury. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
64. **Cantu RC:** Return to Play Guidelines After Concussion. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
65. **Cantu RC:** Life Threatening Head Injuries: Intracranial Hematoma. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
66. **Cantu RC:** Return to Competition After Life Threatening Head Injury. Neurologic Athletic Head and Spine Injuries. WB Saunders Company, Philadelphia, PA, 2000.
67. **Cantu RC:** Classification and Management of Concussion, In Neurological Sports Medicine, A Guide for Physicians and Trainers. American Association of Neurologic Surgeons, Rolling Meadows, IL 2001.
68. **Cantu RC:** Head Injuries in Adults, In Orthopaedic Sport Medicine. Edited by Jesse C. DeLee, M.D. and David Drez, Jr., M.D. Elsevier Science, Philadelphia, PA 2002.
69. **Cantu RC:** Recurrent Athletic Head Injury: Risks and When to Retire, In Clinics in Sports Medicine. Edited by D. Greg Anderson, M.D. and Gregory A. Helm, M.D., Ph.D. W. B. Saunders Company. Philadelphia, PA 2003.
70. Bailes J, Maroon J, **Cantu R:** Athlete with Spine Injury. In Spine Surgery Techniques, Complication Avoidance, and Management Second Edition. Elsevier Science, Philadelphia, PA 2005.
71. Neurotrauma: Evidence-based Answers to Common Questions: How Important are Stingers. Thieme Medical Publishers, New York, N.Y. 2001
72. Cantu RV, **Cantu RC:** Athletic Head Injuries. Clinical Sports Medicine. Eited by Walter R. Frontera, MD; Lyle Micheli MD; Stanley A. Herring, MD and Julie K. Silver, MD. W.B. Saunders Company. Philadelphia, PA 2005.
73. Proctor MR, **Cantu RC:** Specific Injuries by Anatomic Location – NECK. Clinical Sports Medicine. Eited by Walter R. Frontera, MD; Lyle Micheli MD; Stanley A. Herring, MD and Julie K. Silver, MD. W.B. Saunders Company. Philadelphia, PA 2005.

74. **Cantu RC**, Cantu RV: Head Injuries. Sports Medicine. Edited by Anthony A. Schepsis; Brian D. Busconi. Littincott, Williams & Wilkins. Philadelphia, PA 2006;88-95.
75. **Cantu RC**: Transient Quadriplegia. In Sports Neurology. Edited by Barry D. Jordan, Peter Tsairis, Russell F. Warren. Lippincott-Raven. Philadelphia, PA 1998.
76. **Cantu RC**: Recurrent Athletic Head Injury: Risks and When to Retire. In Clinics in Sports Medicine. Edited by D. Gregg Anderson and Gregory A. Helm. WB Saunders Company. Philadelphia, PA 2003.
77. Echemendia RL, **Cantu RC**: Return to play following brain injury, in Traumatic Brain Injury in Sports: An international neuropsychological perspective. Lisse, The Netherlands: Swets & Zeitlinger., Lovell M, Echemendia R, Barth J, Collins M, Editor. 2004, Psychology Press: Lisse p. 479-498.
78. **Cantu RC**: Concussion Classification: Ongoing Controversy. In Foundations of Sport-Related Brain Injuries. Edited by Semyon M. Slobounov and Wayne J. Sebastianelli. Springer Science and Business Media, Inc. New York, New York 2006.
79. **Cantu RC**: Injuries to the Head and Cervical Spine, In Textbook Paediatric Exercise Science and Medicine. Willem van Mechelen and Neil Armstrong, editors 2nd Edition, Oxford Press, 2008.
80. Guskiewicz KM, Echemendia RJ, **Cantu RC**: Assessment and Return to Play Following Sports-Related Concussion, In Orthopaedic Knowledge Update Sports Medicine. W. Ben Kibler, MD Editor 4th Edition, American Academy of Orthopaedic Surgeons, 2009.
81. **Cantu RC**, Cantu RV: Head Injuries. In Orthopedic Sports Medicine Principles and Practice 3rd Edition DeLee, Drez and Miller, Saunders Elsevier 2009 p 657-663.
82. Jayaro M, Chin LS, **Cantu RC**: Punch Drunk Syndrome. In Encyclopedia Of Sports Medicine. Micheli L, Editor. Sage Publications, Inc. 2011 pp1185-1187.
83. Jayro M, Chin LS, **Cantu RC**: Catastrophic Sports Injuries. In Encyclopedia of Sports Medicine, Micheli L, Editor. Sage Publications, Inc. 2011. pp243.255
84. **Cantu RC**: Diabetes Mellitus in Sports. In Encyclopedia of Sports Medicine. Micheli L, Editor. Sage Publications, Inc. 2011. pp 363-365.
85. Cantu RV, **Cantu RC**: Skull Fractures. In Encyclopedia of Sports Medicine. Micheli L, Editor. Sage Publications, Inc. 2011 pp1340-1343.
86. Jayarao M, Chin LS, **Cantu RC**: Prevention of Sports-Related Concussion and Brain Injury. In Manual of Traumatic Brain Injury Management. Demos Medical Publishing. 2011 pp 30-34.
87. Toshkezi G, Chin LS, **Cantu RC**: Cumulative Effects of Repeated Mild Traumatic Brain Injury. In Manual of Traumatic Brain Injury Management. Demos Medical Publishing. 2011 pp 72-76.
88. Daneshvar DH, Riley DO, Nowinski CJ, McKee AC, Stern RA, **Cantu RC**: Long-Term Consequences; Effects on Normal Development Profile After Concussion. In Youth Sport Concussions. Bell KR and Herring, SA Editors. Physical Medicine and Rehabilitation Clinics of North America. Nov 2011, volume 22 pp 683-700.
89. Micheli I, Stein C, O'Brien M, d'Hemecourt P, **Cantu RC**, Cantu RV: Acute Cervical Spine Injuries. Spinal Injuries and Conditions in Young Athletes. Springer 2013, pp 37-45.
90. Slobounov SM, Sebastianelli WJ, **Cantu RC**: Consequences of Ignorance and Arrogance for Mismanagement of Sports-Related Concussions: Short- and Long-Term Complications. Concussions in Athletics, Springer 2014, pp 23-33.

REFERRED ARTICLES

1. **Cantu RC**, Wise BL, Goldfien A, Gullixson KS, Pischer N, Ganong WF: Neural pathways mediating the increase in adrenal medullary secretion produced by hypoglycemia. *Proc Soc Exper Biol Med* 1964; 114:10-13.
2. **Cantu RC**, LeMay M: A large middle cerebral aneurysm presenting as a bizarre vascular malformation. *Brit J Radiol* 1966; 39:317-319.
3. **Cantu RC**, Schwab RS: Ceruloplasmin rise and protein-bound iodine fall in human serum during diphenylhydantoin (Dilantin) administration. *Trans Amer Neurol Assn* 1966; 91:201-203.
4. **Cantu RC**, Drew JH: Pathological laughing and crying associated with a tumor ventral to the pons. *J Neurosurg* 1966; 24:1024-1026.
5. **Cantu RC**, Nahas GG, Manger WM: Effect of hypercapnic acidosis and hypoxia on adrenal catecholamine output of the spinal dog. *Proc Soc Exper Biol Med* 1966; 122:434-437.
6. Hepler RS, **Cantu RC**: Internal carotid aneurysms and third nerve palsies: Ocular status of survivors. *Surg Forum* 1966; 17:436-437.
7. **Cantu RC**, LeMay M, Wilkinson HA: The importance of repeated angiography in the treatment of mycotic-embolic intracranial aneurysms. *J Neurosurg* 1966; 25:189-193.
8. **Cantu RC**, Schwab RS: Ceruloplasmin rise and protein-bound iodine fall in serum due to diphenylhydantoin. *Arch Neurol* 1966; 15:393-396.
9. **Cantu RC**, Moses JM, Kjellberg RN, Connelly JP: An unusual cause of aseptic postoperative fever in a neurosurgical patient. *Clin Med* 1966; 5:747-754.
10. **Cantu RC**, Michelsen JJ, New PFJ: Demonstration of a venticulo-mastoid fistula (paradoxical cerebrospinal fluid rhinorrhea) by pantopaque ventriculography. *Neurochirurgia* 1967; 10:35-44.
11. **Cantu RC**, Goodman HM: Effects of denervation and fasting on white adipose tissue. *Amer J Physiol* 1967; 212:207-212.
12. **Cantu RC**, Roach AM, Hegsted DM: Atherosclerosis in denervated and intact carotid arteries in rabbits. *Proc Soc Exper Boil Med* 1967; 124:451-454.
13. **Cantu RC**, LeMay M: Porencephaly caused by intracerebral hemorrhage. *Radiology* 1967; 38:526-530.
14. **Cantu RC**: Importance of pathological laughing and/or crying as a sign of occurrence or recurrence of a tumor lying beneath the brainstem. *J Nerv Ment Dis* 1967; 143:508-512.
15. Cantu JQ, **Cantu RC**: The psychiatric efforts of William Herberden Jr. *Bull Hist Med* 1967; 41:132-139.
16. Hepler RH, **Cantu RC**: Aneurysms and third nerve palsies: Ocular status of survivors. *Arch Ophth* 1967; 77:604-608.
17. Prieto A, **Cantu RC**: Spinal subarachnoid hemorrhage associated with neurofibroma of the cauda equina. *J Neurosurg* 1967; 27:63-69.
18. **Cantu RC**, Mark VH, Austen WG: Accurate placement of the distal end of a ventriculo-atrial shunt catheter using vascular pressure changes. *J Neurosurg* 1967; 27:584-586.
19. **Cantu RC**, Michelsen JJ: Long-term follow-up of nine cases of ventriculocisternostomy for non-neoplastic aqueductal occlusion. *J Neurol Neurosurg Psychiat* 1967; 30:556-558.

20. **Cantu RC**, Ojemann RG: Glucosteroid treatment of keratin meningitis following removal of a fourth ventricle epidermoid tumor. *J Neurol Neurosurg Psychiat* 1967; 31:73-75.
21. **Cantu RC**, Kjellberg RN, Moses JM, Ganz RN: Aseptic meningitis due to dermoid tumor: case report and confirming test. *Neurochirurgia* 1968; 11:94-98.
22. **Cantu RC**, Ferris EJ, Baker EP Jr: Collateral circulation to a parietal arteriovenous malformation following bilateral external carotid artery ligation. *J Neurosurg* 1968; 28:369-372.
23. **Cantu RC**, Ojemann RG: Corticosteroids in aseptic meningitis. *Lancet*; 2:1360-1361.
24. **Cantu RC**, Schwab RS, Timberlake WS: Comparison of blood levels with oral and intramuscular diphenylhydantoin. *Neurology* 1968; 18:782-784.
25. **Cantu RC**, Wright RL: Aseptic meningitis syndrome with cauda equina epidermoid tumor. *J Ped* 1968; 73:114-116.
26. **Cantu RC**, Roth DA, Ferris EJ: Angiography in penetrating cervical injuries. *Inter Surg* 1968; 50:562-565.
27. **Cantu RC**, Correll JW, Manger WM: Reassessment of central neural pathways necessary for adrenal catecholamine output in response to hypoglycemia. *Proc Soc Exper Biol Med* 1968; 129:155-170.
28. **Cantu RC**, Prieto A, Ahmadi A: Evaluation of the increased risk of gastrointestinal bleeding following intracranial surgery in patients receiving high steroid dosages in the immediate postoperative period. *Inter Surg* 1968; 50:325-335.
29. **Cantu RC**: Corticosteroids for spinal metastases. *Lancet* 1968; 2:912.
30. **Cantu RC**, Adams RD, McNamara J, Connelly JP: Spinal cord tumors in children: Current status of early diagnosis in this potentially curable neoplasm. *Clin Ped* 1968; 7:726-732.
31. **Cantu RC**: Improvement of cerebrovascular perfusion following complete ischemia. *Bibl Anat* 1969; 10:324-327.
32. **Cantu RC**: Factors influencing post-ischemic cerebral vascular obstruction. *Surg Forum* 1969; 20:426.
33. **Cantu RC**: Oculomotor palsy with posterior communicating artery aneurysm: Outcome with carotid ligation versus medical therapy. *Inter Surg* 1969; 52:144-150.
34. **Cantu RC**: Transient traumatic cerebellar dysfunction: Report of a syndrome. *Inter Surg* 1969; 52:392-394.
35. **Cantu RC**, Ames A III: Distribution of vascular lesions caused by cerebral ischemia; relation to survival. *Neurology* 1969; 19:128-132.
36. **Cantu RC**, Ames A III: Experimental prevention of cerebral vascular obstruction produced by ischemia. *J Neurosurg* 1969; 30:50-54.
37. **Cantu RC**, Ames A III, DiGiacinto G, Dixon J: Hypotension: A major factor limiting recovery from cerebral ischemia. *J Surg Res* 1969; 9:525-529.
38. **Cantu RC**, Ames A III, Dixon J, DiGiacinto G: Reversibility of experimental cerebrovascular obstruction induced by complete ischemia. *J Neurosurg* 1969; 31:429-431.
39. **Cantu RC**, Dixon J, Ames A III: Reversible ischemia model. *J Surg Res* 1969; 9: 521-524.

40. **Cantu RC**, Souders T, Hepler RS: Effects of carotid ligation on aneurysm-induced oculomotor palsy. *J Neurosurg* 1969; 31:528-532.
41. Kornblith PL, **Cantu RC**, Wilkinson HA, Santamarina BA: Syndrome of temporal lobe herniation in pre-eclampsia. *Amer J Obstet Gynec* 1969; 104:923-924.
42. **Cantu RC**, Hegsted DM: Comparison of cerebrovascular perfusion after ischemia in normal and atherosclerotic rabbits. *J Surg Res* 1970; 10:129.
43. DiGiacinto G, **Cantu RC**: Influence of hypertension on post-ischemic cerebrovascular obstruction. *J Sur Res* 1970; 10:229-232.
44. Price DL, Harris JL, New PFJ, **Cantu RC**: Cardiac myxoma; a clinicopathologic and angiographic study. *Arch Neurol* 1970; 23:558-567.
45. **Cantu RC**: Successful excision of giant scalp hemangioendothelioma. *Inter Surg* 1970; 53:293-295.
46. **Cantu RC**: Unusual complication of long hair. *Lancet* 1971; 1(694):350.
47. Wilkinson HA, Ferris EJ, Muggia AL, **Cantu RC**: Central nervous system tuberculosis; a persistent disease. *J Neurosurg* 1971; 34:15-22.
48. **Cantu RC**: Value of myelography in thoracic spinal cord injuries. *Inter Surg* 1971; 56:23-26.
49. **Cantu RC**, Snyder M: Effects of anticoagulants, vasodilators, and dipyridamole on post-ischemic cerebral vascular obstruction. *J Surg Res* 1971; 2:70-71.
50. **Cantu RC**: Use and abuse of carotid angiography in assessing brain ischemia in cases of increased intracranial pressure. *Inter Surg* 1972; 57: 668-670.
51. **Cantu RC**: Brain death as determined by cerebral arteriography. *Lancet* 1973; 1:1391-1392.
52. **Cantu RC**: A simplified technique of anterior spinal fusion using Methyl Methacrylate (Acrylic). *Inter Surg* 1974; 59:110-111.
53. **Cantu RC**: Joint fitness program benefits business and hospital employees. *Hospitals* 1982; 56:46.
54. **Cantu RC**: It happened in 1974. *Surgical Rounds* 1985; 8:117-118.
55. **Cantu RC**: Guidelines to return to contact sports after cerebral concussion. *The Physician and Sportsmedicine* 1986; 14:75-83.
56. **Cantu RC**: Catastrophic injuries in high school and collegiate athletes. *Surgical Rounds for Orthopaedics* 1988; November:62-66.
57. Mueller FO, Blyth CS, **Cantu RC**: Catastrophic spine injuries in football. *The Physician and Sportsmedicine* 1989; 17(10).
58. Cunningham LN, **Cantu RC**: Acute and chronic effects of exercise using an Exercycle in healthy, untrained adults. *Phys Ther* 1990; 70:494-502.
59. McKeag DB, **Cantu RC**: Neck pain in a football player. *The Physician and Sportsmedicine* 1990; 18(3):115-120.
60. **Cantu RC**, Mueller FO: Catastrophic spine injuries in football (1977-1989). *J Spinal Disord* 1990; 3(3):227-231.

61. Mueller FO, **Cantu RC**: Catastrophic injuries and fatalities in high school and college sports: fall 1982-spring 1988. *MSSE* 1990; 22(6):737-741.
62. Weinstein SM, **Cantu RC**: Cerebral stroke in a semi-pro football player: a case report. *MSSE* 1991; 23:1119-1121.
63. **Cantu RC**: Congenital cardiovascular disease – the major cause of athletic death in high school and college. *MSSE* 1992; 24(3):279-280.
64. **Cantu RC**: When to allow athletes to return to play after injury. *J Neurol Orthop Med Surg* 1992; 13:30-34.
65. **Cantu RC**, Mueller FO: Catastrophic football injuries in the USA: 1977-1990. *Clinical Journal of Sports Medicine* 1992; 2 (3):180-185.
66. **Cantu RC**: Cerebral concussion in sports. *Sports Medicine* 1992; 14(1):64-74.
67. **Cantu RC**: Second impact syndrome: Immediate management. *The Physician and Sportsmedicine* 1992; 20(9):55-66.
68. **Cantu RC**: Cervical spinal stenosis: Challenging an established detection method. *The Physician and Sportsmedicine* 1993; 21(9):57-63.
69. **Cantu RC**: Functional spinal stenosis: A contraindication to participation in contact sports. *MSSE* 1993; 25(3):316-317.
70. Cantu RV, **Cantu RC**: Guidelines for return to contact sports after transient quadriplegia. *J Neurosurg* 1994; 80(3):592-594.
71. **Cantu RC**, Mueller FO: Cheerleading. *Clinical Journal of Sports Medicine* 1994; 4(2):75-76.
72. Cantrill SV, **Cantu RC**, Ivatury RR, Viccellio P: Neck Trauma – no margin for error. *Patient Care* 1994; 28:44-46.
73. **Cantu RC**: Transient quadriplegia: to play or not to play. *Sports Medicine Digest* 1994; 16:1-4.
74. **Cantu RC**, Voy RO: Second Impact Syndrome: a risk in any contact sport. *The Physician and Sportsmedicine*. 1995; 23(6):27-34.
75. Van Camp SP, Bloor CM, Mueller FO, **Cantu RC**, Olson HG: Nontraumatic sports death in high school and college athletes. *Medicine and Science in Sports and Exercise* 1995; 27(5):641-647.
76. **Cantu RC**: Catastrophic injury of the brain and spinal cord. *Virginia Medical Quarterly* 1996; 123:98-102.
77. **Cantu RC**: Head injuries in sport. *Br J Sports Med* 1996; 30:289-296.
78. **Cantu RC**: Guidelines for Return to Contact Sport After Transient Quadriplegia. *ASTM* 1996; 1305:53-59.
79. **Cantu RC**: Stingers, Transient Quadriplegia and Cervical Spinal Stenosis: Return to Play Criteria. *MSSE* 1997; 29:233-235.
80. **Cantu RC**: Reflection on Head Injuries in Sport and the Concussion Controversy. *Clinical Journal of Sports Medicine* 1997; 7:83-84.
81. **Cantu RC**, Mueller FO: Fatalities and Catastrophic Injuries in High School and College Sports, 1982 -1997, *The Physician in Sports Medicine* 1999; 27:35-48.

82. **Cantu RC**: Cervical Spinal Stenosis: Diagnosis and Return to Play Issues, *Sports Medicine Consultant* 2000, McGraw-Hill, 2000; 1:2-6.
83. **Cantu RC**: Curve Counter Spinal Stenosis, *NASS News*, 2000.
84. **Cantu RC**, Mueller FO: Catastrophic Football Injuries *Neurosurgery* 2000; 47:673-677.
85. **Cantu RC**: Cervical Spine Injuries in the Athlete, *Seminars in Neurology*, 2000;20(2):173-178.
86. **Cantu R**: Post Traumatic Retrograde and Anterograde Amnesia: Pathophysiology and Implications in Grading and Safe Return to Play. *Journal Athletic Training on Sports Related Concussion*_2001;36:244-248.
87. **Cantu R**: Forward: *Journal of Athletic Training on Sports Related Concussion*_2001;36:227.
88. Marchiacci Barth, Littlefield Jane, **Cantu Robert**: Multiple Concussions and Neuropsychological Functioning in College Football Player. *Journal of Athletic Training on Sports Related Concussion* 2001;36:303-306.
89. Aubry M, **Cantu R**, Devorak J, et al: Summary and Agreement Statement of the First International Conference on Concussion in Sport, Vienna 2001: *The Physician and Sportsmedicine* 2002;30(2):57-63.
90. Aubry M, **Cantu R**, Devorak J et al: Summary and Agreement Statement of the First International Conference on Concussion in Sport, Vienna 2001: Published Concurrently In: *Br J Sports Med*_2002; 36(1):6-10 and *Clin J Sports Med* 2002;12(1):6-11.
91. Guskiewicz KM, Marshall SW, Broglio SP, **Cantu RC**, Kirkendall DT: No evidence of impaired neurocognitive performance in collegiate soccer athletes. *American Journal of Sports Medicine* 2002; 30(2):157-162.
92. **Cantu RC**: Work-up of the Athlete With Concussion. *The American Journal of Medicine & Sports* 2002; IV(II):152-154.
93. Collins MW, Lovell MR, Iverson G, **Cantu RC**, Maroon J, Field M, Fu FH: Cumulative Effects of Concussion in High School Athletes. *Neurosurgery* 2002.
94. Bailes JE, **Cantu RC**, Day AL: The Neurosurgeon in Sport: Awareness of the Risks of Heatstroke and Dietary Supplements. *Neurosurgery* 2002; 51:283-288.
95. Guskiewicz KM, **Cantu RC**: The Concussion Puzzle: Evaluation of Sport-Related Concussion. *The American Journal of Medicine and Sport* 2003
96. Quarrie KL, **Cantu RC**, Chalmers DJ: Rugby Union injuries to the cervical spine and spinal cord. *Sports Medicine* 2002;32(10):633-653.
97. **Cantu, RC**: Invited Commentary: Athletic Head Injury. *Current Sports Medicine Reports* 2003; 2(3):117-119.
98. **Cantu RC**, Echemendia RJ: Return to Play Following Sports-Related Mild Traumatic Brain Injury; The Role for Neuropsychology. *Applied Psychology* 2003; 10(1):48-55.
99. Guskiewicz K, McCrea M, Marshall S, **Cantu R**, Barr W, Onate J, Kelly J: Cumulative Effects Associated With Recurrent Concussion in Collegiate Football Players, The NCAA Concussion Study. *JAMA* 2003; 290(19):2549-2555.
100. McCrea M, Guskiewicz KM, Marshall SW, Barr W, Randolph C, **Cantu RC**, Onate JA, Yang J, Kelley JP: Acute Effects and Recovery Time Following Concussion in Collegiate Football Players. *JAMA* 2003; 290(19):2556-2563.
101. Lovell M, Collins M, Iverson G, Field M, Maroon J, **Cantu R**, Rodell K, Powell J, Belza M, Fu F: Recovery from mild concussion in high school athletes. *Journal of Neurosurgery*_2003; 98:295-301.

102. Collins M, Lovell M, Iverson G, **Cantu R**, Maroon J, Field M: Cumulative effects of concussion in high school athletes. *Neurosurgery* 2003; 51:1175-1181.
103. McCrea M, Guskiewicz K, Marshall S, Barr W, Randolph C, **Cantu R**, Onate J, Yang J, Kelly J: Acute Effects and Recovery Time Following Concussion in Collegiate Football Players: The NCAA Concussion Study. *JAMA* 2003; 290(19):2556-2563.
104. Erlanger D, Kushik T, **Cantu R**, Barth J, Brishek D, Freeman J, Kroger D: Symptom-Based Assessment of Concussion Severity. *J Neurosurg* 2003; Mar93(3):477-484.
105. Echemendia RJ, **Cantu RC**: Return to play following Sports-Related Mild Traumatic Brain Injury: The Role for Neuropsychology. *Applied Neuropsychology* 2003;10(1):48-55.
106. Echemendia RC, **Cantu RC**: Neuropsychology's role in return to play following sports-related cerebral concussion. *Applied Neuropsychology*, 2003;10(1):48-55.
107. **Cantu RC**: Concussion severity should not be determined until all post concussion symptoms have abated. *The Lancet* 2004;3:437-438.
108. Guskiewicz K, Bruce S, **Cantu R**, Ferrara M, Kelly J, McCrea M, Putukian M, McLeod T: National Athletic Trainer's Association Position Statement: Management of Sport-Related Concussion. *Journal Athletic Training* 2004;39(3):280-295.
109. Guskiewicz K, Bruce S, **Cantu R**, Ferrara M, Kelly J, McCrea M, Putukian M, Valovich T: Recommendations on Management of Sport-related Concussion: Summary of the National Athletic Trainers' Association Position Statement. *Neurosurgery* 2004;55(4):891-896.
110. McCrory P, Johnston K, et al: Summary and Agreement Statement of the Second International Conference on Concussion in Sport, Prague 2004. *Phy and Sports Med* 2005;33(4):29-44
111. McCrea M, Barr W, Guskiewicz K, Randolph C, Marshall S, **Cantu R**, Onate J, Kelly J: Standard regression-based methods for measuring recovery after sport-related concussion. *Applied Neuropsychology* 2005;58-69.
112. McCrory P, Johnston K, et al: Summary and Agreement Statement of the Second International Conference on Concussion in Sport, Prague 2004. *Br J Sports Med* 2005;39(4):196-205.
113. McCrory P, Johnston K, et al: Summary and Agreement Statement of the Second International Conference on Concussion in Sport, Prague 2004. *Clin Sports Med* 2005;15(2):48-56.
114. Guskiewicz KM, Marshall SW, Bailes J, McCrea M, **Cantu RC**, Randolph C, Jordan BD: Association between recurrent concussion, mild cognitive impairment, and Alzheimer's disease in retired professional football players. *Neurosurgery* 2005;57(4):719-724.
115. Herring, S, **Cantu R**, et al: ACSM Team Physician Concussion Consensus Statement. *Med Sci Sports Exerc.* 2006; 38(2):395-399.
116. Boden B, Tacchetti R, **Cantu R**, Knowles S, Mueller F: Catastrophic Cervical Injuries in High School and College Football Players *AJSM* 2006;34(8):1223-1232.
117. **Cantu RC**: An Overview of Concussion Consensus Statements Since 2000. *Neurosurgical Focus* 2006;21:1-5.
118. Miele VJ, Bailes JE, **Cantu RC**, Rabb CH: Subdural hematomas in boxing: the spectrum of consequences. *Neurosurgical Focus* 2006;21(4):1-8.

119. Boden B, Tacchetti R, **Cantu R**, Knowles S, Mueller F: Catastrophic Head Injuries in High School and College Football Players. *AJSM* 2007;35:1-7.
120. **Cantu RC**: Athletic Concussions: Current Understanding as of 2007. *Neurosurgery* 2007;60(6):963-964.
121. **Cantu RC**: Chronic Traumatic Encephalopathy in the National Football League. *Neurosurgery* 2007;61(2):223-225.
122. Guskiewicz KM, Marshall SW, Bailes J, McCrea M, Harding HP JR, Matthews A, Mihalik JR, **Cantu RC**: Recurrent concussion and risk of depression in retired professional football players. *Medicine and Science in Sports and Exercise* 2007;39(6):903-909.
123. **Cantu RC**, Herring SA, Putukian M: Concussion: Letter to the Editor. *NEJM* 2007;356(17):1787.
124. Standaert CJ, Herring SA, **Cantu RC**: Expert Opinion and Controversies in Sports and Musculoskeletal Medicine: Concussion in the Young Athlete. *Arch Phys Med Rehabil*; 2007;88:1077-1079.
125. **Cantu RC**, Detection of postconcussion abnormalities after injury in young athletes. *Clin J Sport Med* 2007;17(5):435-436.
126. Davis G, Ugokwe K, Roger EP, Benzel EC, **Cantu RC**, Rogers M, Dvorak J, McCrory P: *Br J Sports Med* June 2008
127. Terrell, T, Bostick, R, Abramson, Xie, D, R, Barfield, W, **Cantu, R**, Stanek, M, Ewing, T. APOE, APOE Promoter, and Tau Genotypes and Risk for Concussion in College Athletes. *Clinical Journal of Sport Medicine* 2008;18:10-17.
128. **Cantu, R**: Consensus Statement on Concussion in Sport – The 3rd International Conference on Concussion, Zurich, November 2008. *Neurosurgery* 2009;64(5):786-787.
129. **Cantu RC**: Commentary When to Disqualify an Athlete After a Concussion, *Current Sports Medicine Reports* 2009;8:6-7.
130. McCrory JP, Meeuwisse W, Johnston K, Dvorak J, Aubry M, Mallow M, **Cantu R**. Consensus statement on concussion in sports – the Third International Conference on Concussion in Sport held in Zurich, November 2008, *Phy Sportsmed*. 2009;37:141-159.
131. McKee AC, **Cantu RC**, Nowinski CJ: Chronic Traumatic Encephalopathy in Athletes: Progressive Tauopathy After Repetitive Head Injury. *J Neuropath Exp Neurol* 2009;68:709-735.
132. **Cantu RC**, Mueller FO. The prevention of catastrophic head and spine injuries in high school and college sports. *Br J Sports Med*. 2009;43:981-986.
133. Mihalik JP, Greenwalk RM, Blackburn JT, **Cantu RC**, Marshall SW, Guskiewicz KM. The effect of infraction type on head impact severity in youth ice hockey. *Med Sci Sports Exer*. 2010;42:1431-1438.
134. Gavett BE, Stern RA, **Cantu RC**, Nowinski CJ, McKee AC. Mild traumatic brain injury: a risk factor for Neurodegeneration. *Alzheimer's Research & Therapy* 2010;2:18-21.
135. **Cantu RC**, Gean A. Second Impact Syndrome and a Thin Subdural Hematoma: An Uncommon Catastrophic Result of Repetitive Head Injury With a Characteristic Imaging Appearance. *J Neurotrauma* 2010;27:1-8.
136. Echlin PS, Tator CH, Cusimaon MD, **Cantu RC**, Taunton JE, Upshur RE, Hall CR, Johnson AM, Forwell LA, Skopelja EN. A prospective study of physician-observed concussions during junior ice hockey: implications for incidence rates. *Neurosurg Focus* 2010;29(5):E4.

137. Echlin PS, Johnson AM, Riverin S, Tator CH, **Cantu RC**, Cusimano MD, Taunton JE, Upshur RE, Hall CR, Forwell LA, Skopelja EN. A prospective study of concussion education in 2 junior ice hockey teams: implications for sports concussion education. *Neurosurg Focus* 2010;29(5):E6.
138. Echlin PS, Tator CH, Cusimano MD, **Cantu RC**, Taunton JE, Upshur RE, Czarnota M, Hall CR, Johnson AM, Forwell LA, Driediger M, Skopelja EN. Return to play after an initial or recurrence concussion in a prospective study of physician-observed junior ice hockey concussions: implications for return to play after a concussion. *Neurosurg Focus* 2010;29(5):E5.
139. Jayarao M, Chin L, **Cantu R**. Boxing-Related Head Injuries. *The Physician and Sportsmedicine*. October 2010;3:0091-3847.
140. McKee AC, Gavett BE, Stern RA, Nowinski CJ, **Cantu RC**, Kowall NW, Perl DP, Hedley-Whyte ET, Price B, Sullivan C, Morin P, Kubilus CA, Daneshvar DH, Wulff M, Budson AE. TDP-43 proteinopathy and motor neuron disease in chronic traumatic encephalopathy. *J Neuropathol Exp Neurol*. September 2010;60(9):918-29.
141. Mihalik JP, Blackburn JT, Greenwald RM, **Cantu RC**, Marshall SW, Guskiewicz KM. Collision type and player anticipation affect head impact severity among youth ice hockey players. *Pediatrics*. June 2010;125(6):e1394-401.
142. **Cantu RC**, Guskiewicz K, Register-Mhialik JK. A Retrospective Clinical Analysis of Moderate to Severe Athletic Concussions. *PM&R*. December 2010;(2)12:1088-1093.
143. **Cantu RC**: World Cup Soccer; A Major League Soccer Superstar's Career-Ending Injury, Concussion; and World Neurosurgery: A Common Thread. *World Neurosurgery* August/September 2010;74(2/3):224-225.
144. **Cantu RC**: Is Helmet Design the Answer to Concussion in Sports. *Active Voice Bulletin ACSM*, September 2010.
145. Thomas M, Haas, TS, Doerer, JJ, Hodges JS, Aicher BO, Garberich RF, Mueller FO, **Cantu RC**, Maron BJ: Epidemiology of Sudden Death in Young, Competitive Athletes Due to Blunt Trauma. *Pediatrics* July 2011;
146. Chin LS, Jayarao M, **Cantu RC**: Inside Sports-Related Head Injury: Tau Inclusion Bodies and Proteins in a Tangle. *Neurosurgeon*, 2011;20(1):4-7.
147. Daneshvar DH, Baugh CM, Nowinski CJ, McKee AC, Stern RA, **Cantu RC**: Helmets and Mouth Guards: The role of personal equipment in preventing sport-related concussions. *Clinics in Sports Medicine*. 2011;30:145-163
148. Chin LS, Toshkezi G, **Cantu RC**, Traumatic Encephalopathy Related to Sports Injury, *US Neurology*, 2011;7(1):33-6.
149. Broglio S, Schartz E, Crisco T, **Cantu RC**, In Vivo Biomechanical Measurements of a Football Player's C6 Spine Fracture, *N Engl J Med* 365;3 *nejm.org* 2011
150. Mihalik JP, Guskiewicz KM, Marshall SW, Greenwald RM, Blackburn JT, **Cantu RC**, Does Cervical Muscle Strength in Youth Ice Hockey Players Affect Head Impact Biomechanics, *Clin J Sport Med*, 2011;21:416-421
151. **Cantu RC**. Register-Mihalik JK: Return-to-Play and Retirement Decisions After Concussion. *PM&R*, 2011;3:S440-444.
152. Daneshavar DH, Riley DO, Nowinski CJ, McKee AC, Stern RA, **Cantu RC**: Long-Term Consequences: Effects on Normal Development Profile After Concussion. *PM&R*, 2011;22(4):682-700.
153. Herring SA, **Cantu RC**, Guskiewicz KM, Putukian M, Kibler WB: Concussion (Mild Traumatic Brain Injury) and the Team Physician: A Consensus Statement – 2011 Update. *Medicine & Science in Sports & Exercise*, 2011 Special Communications 2412-2422. <http://www.acsm-msse.org>
154. Stern RA, Riley DO, Daneshvar DH, Nowinski CJ, **Cantu RC**, Mckee AC: Long Term Consequences of Repetitive Brain Trauma: Chronic Traumatic Encephalopathy. *PM*, 2011;3: S460-S467.

155. Gavett, BE, **Cantu RC**, Shenton M, Lin A, Nowinski CJ, McKee AC, Stern RA: Clinical Appraisal of Chronic Traumatic Encephalopathy: Current Perspectives and Future Directions. *Current Opinion in neurology 2011a*; 24:525-531.
156. L. E. Goldstein, A. M. Fisher, C. A. Tagge, X.-L. Zhang, L. Velisek, J. A. Sullivan, C. Upreti, J. M. Kracht, M. Ericsson, M. W. Wojnarowicz, C. J. Goletiani, G. M. Maglakelidze, N. Casey, J. A. Moncaster, O. Minaeva, R. D. Moir, C. J. Nowinski, R. A. Stern, **R. C. Cantu**, J. Geiling, J. K. Blusztajn, B. L. Wolozin, T. Ikezu, T. D. Stein, A. E. Budson, N. W. Kowall, D. Chargin, A. Sharon, S. Saman, G. F. Hall, W. C. Moss, R. O. Cleveland, R. E. Tanzi, P. K. Stanton, A. C. McKee, Chronic traumatic encephalopathy in blast-exposed military veterans and a blast neurotrauma mouse model. *Sci. Transl. Med.* 4, 134ra60 (2012).
157. Mihalik JP, Guskiewicz KM, Marshall, SW, Blackburn JT, **Cantu RC**, Greenwald RM (2011). Head Impact Biomechanics in Youth Hockey: Comparisons across playing position, event types, and impact locations. *Annals of Biomedical Engineering*;40(1):141-149.
158. Saffary R, Chin LA, **Cantu RC**. From Concussion to Chronic Traumatic Encephalopathy: A review. *J Lifestyle Magazine* (2012)
159. Baugh, CM, Stamm, JM, Riley DO, Gavett, BE, Shenton M, Lin A, Nowinski, CJ, **Cantu RC**, McKee AC, Stern RA: Chronic Traumatic Encephalopathy: Neurodegeneration Following Repetitive Concussive and Subconcussive Brain Trauma. *Brain Imaging and Behavior*, June 2012;6(2):244-54.
160. McKee A, Stern R, Nowinski C, Stein T, Alvarez V, Daneshvar D, Lee H, Hall G, Wojtowica S, Baugh C, Riley D, Kubilis C, Cormier K, Jacobs M, Martin B, Abraham C, Ikesu T, Reichard R, Wolozin B, Budson A, Goldstein L, Kowall N, **Cantu R**: The Spectrum of Disease in Chronic Traumatic Encephalopathy, *doi:10.1093/Brain/aws307 (22 pages)* 2012
161. Yi J, Padalino D, Chin L, Montenegro P, **Cantu RC**: Chronic Traumatic Encephalopathy, *Current Sports Medicine Reports*, Jan/Feb 2013;12 (1): 28-32
162. Saffary R, Chin L, **Cantu RC**: From Concussion to Chronic Traumatic Encephalopathy: A Review, *Journal of Clinical Sport Psychology* 2012;6:351-362.
163. **Cantu, RC**, Li Y, Abdulhamid M, Chin L, Return to Play After Cervical Spine Injury in Sports, *Current Sports Medicine Reports*, Jan/Feb 2013;12 (1): 14-17.
164. Seichepine, DR, Stamm, JM, Daneshvar, DH, Riley, DO, Baugh, CM, Gavett, BE, Tripodis, Y, Martin, B, Chaisson, C, McKee, AC, **Cantu, RC**, Nowinski, CJ, & Stern, RA (in press). Profile of Self-reported Problems with Executive Functioning in College and Professional Football Players. *Journal of Neurotrauma*, 2013; 30: 1299-1304.
165. McCrory P, Meeuwisse WH, Aubry M, **Cantu B**, et al, Dvorak J, Echemendia RJ, Engebretsen L, Johnston K, Kutcher JS, Raftery M, Sills A, Benson BW, Davis GA, Ellenbogen RG, Guskiewicz K, Herring SA, Iverson GL, Jordan BD, Kissick J, McCrea M, McIntosh AS, Maddocks D, Makdissi M, Purcell L, Putukian M, Schneider K, Tator CH, Turner M: Consensus Statement on Concussion in Sport: the 4th International Conference on Concussion in Sport held in Zurich, November 2012: *Br J Sports Med* 2013;47:250-258 doi:10.1136/bjsports-2013-092313.
166. Putukian M, Raftery M, Guskiewicz K, Herring S, Aubry M, **Cantu RC**, Molloy M: Onfield Assessment of Concussion in the adult athlete: *Br J Sports Med* 2013;47:285-288 doi:10.1136/bjsports-2013-092158.
167. Makdissi M, **Cantu RC**, Johnston KM, McCrory P, Meeuwisse WH: The difficult Concussion Patient: What is the Best Approach to Investigation and Management of Persistent (>10 days) Postconcussive Symptoms?: *Br J Sports Med* 2013;47:308-313 doi:10.1136/bjsports-2013-092255.
168. Stern RA, Daneshvar DH, Baugh CM, Seichepine DR, Montenegro PH, Riley DO, Fritts NG, Stamm JM, Robbins CA, McHale L, Simkin I, Stein TD, Alvarez VE, Goldstein LE, Budson AE, Kowall NW, Nowinski CJ, **Cantu RC**, McKee AC: Clinical Presentation of Chronic Traumatic Encephalopathy: *American Academy of Neurology*; 2013;81:1122-1129.

169. **Cantu RC**, Role of Diffusion Tensor Imaging MRI in Detecting Brain Injury in Asymptomatic Contact Athletes: *World Neurosurgery*; December 2013;5:792-793.
170. **Cantu RC**, The Role of the Neurologist in Concussions When to Tell Your Patient to Stop: *Jama Neurology*; October 2013;*Jamaneurology.com*;E1-E2.
171. Kroshus E, Daneshvar DH, Baugh, CM, Nowinski CJ, **Cantu RC**, NCAA Concussion Education In Ice Hockey: An Ineffective Mandate: *BJSM Online*; 2013 10.1136
172. Broglio SP, **Cantu RC**, Gioia GA, Guskiewicz KM, Kutcher J, Palm M, Valovich McLeod TC, National Athletic Trainers' Association Position Statement: Management of Sport Concussion: *Journal of Athletic Training*; 2014;49(2):245-265.
173. Slobounov S, Bazarian J, Bigler E, **Cantu R**, Hallett M, Harbaugh R, Hovda D, Mayer AR, Nuwer MR, Kou Z, Lazzarino G, Papa L, Vagnozzi R, Sport-Related concussion: Ongoing Debate: *BR J Sports Med*; January 2014: 48:2:75-76.
174. Robbins CA, Daneshvar DH, Picano JD, Gavett BE, Baugh CM, Riley DO, Nowinski CJ, McKee AC, **Cantu RC**, Stern RA, Self-Reported Concussion History: Impact of Providing a Definition of Concussion: *Open Access Journal of Sport Medicine*; 2014:5:99-103.
175. Collins CL, Fletcher EN, Fields, SK, Kluchurosky L, Rohrkemper MK, Comstock RD, **Cantu RC**, Neck Strength: A Protective Factor Reducing Risk for Concussion in High School Sports: *J Primary Prevent*; June 2014:35:3
176. Montenigro PH, Baugh CM, Daneshvar DH, Mez J, Budson AE, Au R, Katz D, **Cantu RC**, Stern RA, Clinical Subtypes of Chronic Traumatic Encephalopathy: Literature Review and Proposed Research Diagnostic Criteria for Traumatic encephalopathy Syndrome: *Alzheimer's Research and Therapy*; 2014:6:68
177. Terrell TR, Abramson R, Bostick R, Barth J, Sloane R, **Cantu RC**, Bennett E, Galloway L, Erlanger D, McKeag D, Valentine V, Nichols G: Multi Center Cohort Study on Association of Genotypes with Prospective Sports Concussion: Methods, Lessons Learned, and Recommendations: *Journal of Sports Medicine and Physical Fitness*; 2014
178. Riley DO, Robbins CA, **Cantu RC**, Stern RA: Chronic Traumatic Encephalopathy: Contributions from the Boston University Center for the Study of Traumatic Encephalopathy: 2015: Vol 29, No.2 154-163.
179. Montenigro PH, Corp DT, Stein TD, **Cantu RC**, Stern RA: Chronic Traumatic Encephalopathy: Historical Origins and Current Perspective: *Annual Review of Clinical Psychology*: 11:14.1-14.22; 2015

BOOKS

1. **Cantu RC**, Michelsen JJ, White JC:
Ventriculocisternostomy: Long-term Experiences
Springfield, Charles C Thomas, 1970.
2. **Cantu RC**: Toward Fitness
New York, Human Sciences Press, 1980.
3. **Cantu RC**: Health Maintenance Through Physical Conditioning
Littleton, Wright-PSG Publishing, Inc, 1981.
4. **Cantu RC**: The Exercising Adult
Lexington, The Collamore Press, D.C. Heath & Co, 1981.
5. **Cantu RC**: Sports Medicine in Primary Care
Lexington, The Collamore Press, D.C. Heath & Co, 1982.
6. **Cantu RC**: Diabetes and Exercise
New York, E.P. Dutton, Inc, 1982.
7. **Cantu RC**: Sports Medicine-Sports Science: Bridging the Gap
Lexington, The Collamore Press, D.C. Heath & Co, 1982.
8. **Cantu RC**: Regaining Health and Fitness
Brattleboro, The Stephen Greene Press, 1982.
9. **Cantu RC**: Exercise Injuries: Prevention and Treatment
Washington, D.C., The Stonewall Press, 1983.
10. **Cantu RC**: Clinical Sports Medicine
Lexington, The Collamore Press, D.C. Heath & Co, 1983.
11. **Cantu RC**, Butler RB, Moore MJ:
Neurology in Primary Care
New York, MacMillan Publishing Co, 1987.
12. **Cantu RC**: The Exercising Adult, 2nd Edition
New York, MacMillan Publishing Co, 1987.
13. **Cantu RC**, Micheli LJ:
American College of Sports Medicine: Guidelines for the Team Physician
Philadelphia, Lea & Febiger, 1991.
14. **Cantu RC**, et al, in Cantu RC (ed): Boxing and Medicine
Champaign, IL, Human Kinetics, 1995.

15. Mueller FO, **Cantu RC**, Van Camp SP: Catastrophic Injuries in High School and College Sports Champaign, IL, Human Kinetics, 1996.
16. **Cantu RC**: Clinics in Sports Medicine: Neurologic Athletic Head and Neck Injuries Philadelphia, W.B. Saunders Company, 1998.
17. **Cantu RC**: Neurologic Athletic Head and Neck Injuries Philadelphia, W.B. Saunders Company, 1998.
18. **Cantu RC**: Neurologic Athletic Head and Spine Injuries Philadelphia, W.B. Saunders Company, 2000.
19. **Cantu R**, Shephard R, Alexander M, Kohrt W, Nieman D, Shrier I: Yearbook of Sports Medicine Philadelphia, PA Mosby, Inc. 2002
20. **Cantu R**, Shephard R, Alexander M, Kohrt W, Nieman D, Shrier I: Yearbook of Sports Medicine Philadelphia, PA Mosby, Inc. 2003
21. **Cantu R**, Shephard R, Alexander M, Nieman D, Sanborn C, Shrier I, Sallis R: Yearbook of Sports Medicine Philadelphia, PA, Mosby, Inc. 2004.
22. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2005.
23. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2006.
24. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2007.
25. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2008.
26. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2009.
27. **Cantu R**, Shepard R, Alexander M, Feldman D, McCrory P, Nieman D, Rowland T, Sanborn C, Shrier I: Yearbook of Sports Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2010.
28. Mueller FO, **Cantu RC**: Football Fatalities and Catastrophic Injuries, 1931-2008 Carolina Academic Press Durham, NC 2011.
29. Shephard RJ, **Cantu RC**, Feldman DH, Jankowski CM, Khan KM, Lebrun C, Nieman DC, Pierrynowski MR, Rowland T: Yearbook of Sport Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2011.
30. Shephard RJ, **Cantu RC**, Feldman DH, Jankowski CM, Khan KM, Lebrun C, Nieman DC, Pierrynowski MR, Rowland T: Yearbook of Sport Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2012.
31. **Cantu RC**, Hyman M: Concussion and Our Kids Houghton Mifflin Harcourt 2012
32. Shephard RJ, **Cantu RC**, Feldman DH, Jankowski CM, Khan KM, Lebrun C, Nieman DC, Pierrynowski MR, Rowland T: Yearbook of Sport Medicine Philadelphia, PA, Elsevier/Mosby, Inc. 2013.

NON-REFEREED ARTICLES

1. **Cantu RC**: Unwilling laughter traced to tumor. Med World News 1965; 184-185.
2. **Cantu RC**, Drew JH: Pathological laughing and crying associated with a tumor ventral to the pons. JAMA 1966; 197:184.
3. **Cantu RC**, Drew JH: Pathological laughing and crying associated with a tumor ventral to the pons. Psychiat Digest 1966; 27:46-47.
4. **Cantu RC**: Factors improving post-ischemic cerebral vascular obstruction. Cerebral Circulation and Metabolism 1975; 216-219.
5. **Cantu RC**: Nutrition for the long distance runner. Runner's Release 1979; 1(2):8-9.
6. **Cantu RC**: The psychological benefits of running. Runner's Release 1979; 1(3):13.
7. **Cantu RC**: Risk of chronic brain injury. ACSM Bulletin 1986; November.
8. **Cantu RC**: When to return to contact sports after a cerebral concussion. Sports Medicine Digest 1988; 10(11):1-2.
9. Mueller FO., **Cantu RC**: National Center for Catastrophic Sports Injury Research 6th Annual Report. Fall 1982-Spring 1988. Chapel Hill, NC.
10. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 7th Annual Report. Fall 1982-Spring 1989. Chapel Hill, NC.
11. Tobin WE, **Cantu RC**: Subarachnoid hemorrhage associated with aerobic exercise. The Physician and Sportsmedicine 1989; 17(5):145-148.
12. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 8th Annual Report. Fall 1982-Spring 1990. Chapel Hill, NC.
13. **Cantu RC**: On-the-field evaluation of head and neck injuries. Orthopedic & Sports Medicine News 1991; 2:15-16.
14. **Cantu RC**: Diagnosis of acute low back pain in the athlete. Sports Medicine Digest 1991; 13(3):1-2.
15. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 9th Annual Report. Fall 1982-Spring 1991. Chapel Hill, NC.
16. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 10th Annual Report. Fall 1982-Spring 1992. Chapel Hill, NC.
17. Hodgson VR, **Cantu RC**: Rule change in 1970s highlights efforts to reduce football injuries. National Federation News 1992; 28-29.
18. **Cantu RC**: Research: Our roots. Sports Medicine Bulletin 1992; 27(3):3.
19. **Cantu RC**: A night to be proud. Sports Medicine Bulletin 1993; 28(1):3.
20. **Cantu RC**: Membership: The foundation and strength of ACSM. Sports Medicine Bulletin 1993; 28(2):3.
21. **Cantu RC**: Functional spinal stenosis: A contraindication to participation in contact sports. (letter to editor) MSSE 1993; 25(9):1082-1083.
22. **Cantu RC**: Assessing athletic head injuries. Rehab Management 1993; 6(5):59-60.

23. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 11th Annual Report. Fall 1982-Spring 1993. Chapel Hill, NC.
24. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 12th Annual Report. Fall 1982-Spring 1994. Chapel Hill, NC.
25. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 13th Annual Report. Fall 1982-Spring 1995. Chapel Hill, NC.
26. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 14th Annual Report. Fall 1982-Spring 1996. Chapel Hill, NC.
27. **Cantu RC**: Football's rate of concussions demands more helmet research and a halt to "spearing tactics." National Collegiate Athletic Association Education Newsletter: Sports Sciences Spring 1995.
28. **Cantu RC**: The prevention of athletic head and spine injuries. Sidelines Fall 1996; National Youth Sports Safety Foundation, Needham, MA.
29. Kleiner DM, **Cantu RC**: Football helmet removal. American College of Sports Medicine: Current Comments September, 1996.
30. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 15th Annual Report. Fall 1982 to Spring 1997. Chapel Hill, NC.
31. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 16th Annual Report. Fall 1982 to Spring 1998. Chapel Hill, NC.
32. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 17th Annual Report. Fall 1982 to Spring 1999. Chapel Hill, NC.
33. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 18th Annual Report. Fall 1982 to Spring 2000. Chapel Hill, NC.
34. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 19th Annual Report. Fall 1982 to Spring 2001. Chapel Hill, NC.
35. **Cantu RC**: A New Tool for the Evaluation of Concussion in Boxers. 2002
36. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 20th Annual Report. Fall 1982 to Spring 2002. Chapel Hill, NC.
37. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 21st Annual Report. Fall 1982 to Spring 2003. Chapel Hill, NC.
38. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 22nd Annual Report. Fall 1982 to Spring 2004. Chapel Hill, NC.
39. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 23rd Annual Report. Fall 1982 to Spring 2005. Chapel Hill, NC.
40. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 24th Annual Report. Fall 1982 to Spring 2006. Chapel Hill, NC.
41. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 25th Annual Report. Fall 1982 to Spring 2007. Chapel Hill, NC.

42. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 26th Annual Report. Fall 1982 to Spring 2008. Chapel Hill, NC.
43. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 27th Annual Report. Fall 1982 to Spring 2009. Chapel Hill, NC
44. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 28th Annual Report. Fall 1982 to Spring 2010. Chapel Hill, NC
45. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 29th Annual Report. Fall 1982 to Spring 2011. Chapel Hill, NC
46. Mueller FO, **Cantu RC**: National Center for Catastrophic Sports Injury Research 30th Annual Report. Fall 1982 to Spring 2012. Chapel Hill, NC

ABSTRACTS AND FREE COMMUNICATIONS

1. Correll JW, **Cantu RC**: Effect of hypophysectomy and adrenalectomy on mobilization of free fatty acids (FFA) from isolated rat adipose tissue by nerve stimulation, in vitro. Fed Proc 1964; part 1, 23:541.
2. **Cantu RC**, Nahas GG, Correll JW, Manger WM: Effect of hypoxia and acidosis on medullary secretion from the denervated adrenal gland. Physiologist 1964; 7:99.
3. Correll JW, **Cantu RC**, Manger WM: Neural pathways mediating effects of intravascular norepinephrine administration. Physiologist 1964; 7:107.
4. Nahas GG, **Cantu RC**, Manger WM, Correll JW: Mediation of adrenal medullary secretion in response to hypotension after spinal cord section. Physiologist 1964; 7:210.
5. **Cantu RC**, Correll JW, Manger WM: Neural pathways mediating the increase in adrenal medullary secretion produced by hypoglycemia and hypotension. Pharmacologist 1964; 6:195.
6. Correll JW, **Cantu RC**, Manger WM: Mechanism for mobilization of free fatty acids by insulin-induced hypoglycemia. Fed Proc 1965; part 1, 24:298.
7. **Cantu RC**, Schwab RS: Protein-bound iodine (PBI) fall and serum ceruloplasmin (SC) rise following diphenylhydantoin administration (DA) in man. Pharmacologist 1965; 7:145.
8. **Cantu RC**, Goodman HM: Effects of denervation and fasting on lumbar fat in the rat. Fed Proc 1966; part 3, 25:271.
9. **Cantu RC**, Ames A III: Improvement of cerebral perfusion following complete ischemia. Fed Proc 1968; 27:329.
10. **Cantu RC**: Heart failure: A limiting factor in recovery from cerebral ischemia. Circulation 1968; 38, suppl VI:51.
11. **Cantu RC**, Ames A III: Distribution of cerebral vascular obstruction following ischemia. Circulation 1968; 38, suppl VI:51.
12. DiGiacinto G, **Cantu RC**, Ames A III, Dixon J: Hypotension: A limiting factor in recovery from cerebral ischemia. Clin Res 1968; 16:512.
13. Dixon J., **Cantu RC**, Ames A III, DiGiacinto G: Effect of heparin on vascular lesions caused by cerebral ischemia. Clin Res 1968; 16:513.
14. **Cantu RC**, DiGiacinto G, Dixon J, Ames A III: Reversibility of post-ischemic cerebrovascular obstruction. Clin Res 1969; 17:233.
15. DiGiacinto G, **Cantu RC**, Ames A III: Effects of hypertension on post-ischemic cerebrovascular obstruction. Clin Res 1969; 17:237.
16. **Cantu RC**, Snyder M: Effect of pharmacological agents on post-ischemic cerebrovascular obstruction. Fed Proc 1970; 29:520.
17. **Cantu RC**: Factors improving post-ischemic cerebrovascular obstruction. Stroke 1973; 4:345.
18. **Cantu RC**: Acute and chronic brain injury and contact sports. 1987; ACSM Clinical Conference, Keystone, CO.
19. **Cantu RC**: Concussion - what is it? Guidelines for returning to sports. 1987; ACSM Clinical Conference, Keystone, CO.

20. **Cantu RC**: Discogenic disease: surgical and non-surgical approaches. 1987; ACSM Clinical Conference, Keystone, CO.
21. **Cantu RC**: Medical aspects of boxing. 1987; ACSM Clinical Conference, Keystone, Co.
22. **Cantu RC**: Catastrophic Football Spine Injuries: 1977-1988. Joint Section on Disorders of the Spine and Peripheral Nerves 1990; AANS/CNS Annual Meeting, Captiva Island, FL.
23. Cunningham LM, **Cantu RC**: Is exercise intensity generalizable? Comparison of exercise test modes. MSSE 1990; 22:13.
24. Van Camp SP, Mueller FO, **Cantu RC**, Nattiv A, Eichner ER: Catastrophic sports injuries in high school and college athletes. MSSE 1994; 26:S86.
25. Mueller FO, **Cantu RC**: High school and college catastrophic pole vaulting injuries. MSSE 1995; 27:598.
26. Ross SE, Guskiewicz KW, **Cantu RC**: Balance recovery following cerebral concussion in collegiate athletes. ACSM Clinical Conference, Baltimore, MD MSSE 2001; 33:S145.
27. Guskiewicz KM, **Cantu RC**, Mueller FO, Barth, JT: Management of sports related concussion: New insights into an old problem. ACSM Clinical Conference, Baltimore, MD MSSE 2001; 33:S144.
28. Guskiewicz KM, Marshall SW, Broglio SP, **Cantu RC**, Kirkendall DT: No evidence of impaired neurocognitive performance in collegiate soccer players. ACSM Clinical Conference, Baltimore, MD MSSE 2001; 33:S186.
29. Mihalik JP, Guskiewicz KM, Marshall SW, **Cantu RC**, Blackburn JT, Greenwald RM. Effect of General On-Ice Aerobic Fitness on Head Impact Biomechanics in Youth Hockey Players. MSSE 2010

SPORTS MEDICINE EDUCATIONAL VIDEOS

- Diabetes and Exercise
Cantu, RC.
Milner-Fenwick Company; 1984
- Sports Medicine and the Primary Care Physician
Cantu RC, Siegel AJ, Childs HD.
Network for Continuing Medical Education; 1990

The preschool-sports physical, life-style modification in the well patient; special emphasis given to assisting physicians to help patients make life-style changes necessary to reap the benefits of regular physical activity.
- ACSM's Guidelines for the Team Physician
Cantu RC, Herring SA, Kibler WB, Micheli LJ, Puffer JC.
Williams & Wilkins Electronic Media; 1992

Cantu RC: "Athletic Head and Neck Injury"

• ACSM: 39th Annual Meeting
Cantu RC, Jordan BD, Sennett BJ, Micheli LJ, Hainline B.
CME Conference Video, Inc.; 1992

Cantu RC, Jordan BD: "Sports Neurology"

• ACSM Sports Medicine CAQ Review
Cantu RC, Stoller D, Saal J, Smith AD, Shoor S.
CME Conference Video, Inc.; 1993

Cantu RC: "Functional Anatomy & Biomechanics: Exam of the Patient with Low-Back Pain"

Cantu RC: "Lumbar spinal stenosis: Dx and Management"

Cantu RC: "Indications for Surgery and Return to Competition After Lumbar Spine Injury"

Cantu RC: "Legal Aspects of Sports Medicine and Role of the Team Physician"

Cantu RC: "Epidemiology, Recognition, and Acute Management of Closed Head Injury/Concussion"

Cantu RC: "Return to Competition After Head Injury"

Cantu RC: "Fractures and Dislocations of Cervical Spine"

Cantu RC: "Epidemiology, Evaluation, and Treatment of Traumatic Spinal Cord Injury: Return to Competition"

Cantu RC: "Case Presentations: Transient Quadriplegia"

• ACSM/Wyeth Ayerst Laboratories
Spellbound Productions; 1994

Cantu RC: "Cervical Spine Injuries"

Cantu R, Torg J et al: "Catastrophic Head and Spine Injuries in Football"
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IN PRESS

1. Picano J, **Cantu RC** et al. Defining Concussion: An Emperical Analysis of Concussion Reporting Using a Specific Definition of Concussion. *Clin J Sports Med* (submitted)
2. Cantu RV, **Cantu RC**. Cervical Spine chapter for Lyle Micheli due October
3. Chapter on “Concussion” *Head Trauma and Brain Injury*.

RECENT LECTURE PRESENTATIONS

- 10.28.15 Brok National Education Seminar
Keynote Speaker: "Concussion and Head Injuries"
St. Julien Hotel
Boulder, CO
- *10.9-12.15 International Rugby Union Meeting
London, England
- 10.7.15 Texas Lutheran University
Concussion Summit
Keynote Speaker: "Concussions and TBI"
Sequin, TX
- *9.25.15 Concussion Retreat
Keynote Speaker : "Current Research: Concussion"
Ontario, Canada
- 7.15-16.15 3rd Annual TBI Summit: Big Ten/CIC Ivy League TBI Injury Research Collaboration
Big Ten Center
Chicago, IL
- 6.2.15 Concussion Prevention Meeting
"Concussion Prevention and Diganosis"
U Mass Lowell
- 5.15.15 Children's Hospital Sports Medicine Meeting
"Practice Like the Pros"
Martin Conference Room, Harvard Medical School
Boston, MA
- 3.26.15 NEASM Annual Meeting
"From Concussion to CTE, Myth, Fiction and Fact"
Central Connecticut State University
New Britain, CT
- 3.6.15 BIA of CT
"Management of Concussion: Yesterday, Today and Tomorrow"
"Workshop: Biomarkers currently being trialed for concussion, sub-concussive, post concussion
syndrome and chronic traumatic encephalopathy"
Hartford, CT
- 2.27.15 Wise Up Initiative Conference
"Concussive and Sub-Concussive Trauma- How It Can Be Prevented/Minimized?"
Birmingham, AL
- 2.26.15 Grand Rounds
University of Alabama Hospital
"Update on Concussion and Sub-Concussive Trauma – Why The Pediatric Population Is At Greater Risk?"
Birmingham, AL
- 2.25.15 Project Play Summit Aspen Institute

Newseum
Panel Participant
Washington, DC

- 2.19-20.15 NFL/NFLPA Engineering Meeting
Indianapolis, IN
- 2.12-13.15 USA Rugby Meeting
“Short and Long Term Results of Repetitive Sub-Concussive and Concussive Head Injury”
Las Vegas, NV
- 1.23.15 USA Lacrosse Meeting
Baltimore, MD
- 1.20.15 NCAA Meeting
NYC
- 1.15-18.15 NOCSAE Meeting
Phoenix, Arizona
- 1.11-12.15 Meeting with NASCAR
Charlotte, NC
- 11.24.14 Safe Sports Think Tank 2014
How do we advance the science of prevention?
“How do we develop Evidence t Inform Safe Play”
Washington, DC
- 11.21.14 NOCSAE Grant Reviews
Chapel Hill, NC
- 11.17.14 IRB World Rugby Conference and Exhibition’
“Concussion – Driving Cultural Change”
London, England
- 11.7.14 SAC Meeting
Atlanta, GA
- 11.4.14 International State-of-the-Science Meeting
“What NOCSAE and I have learned from 40 years of concussion research and helmet testing”
Booz Allen Hamilton headquarters
McLean, VA 22102
- 11.1.14 2014 ARP Annual Convention “Ringside Medicine: Back to the Basics”
“Post Fight Neurological Evaluation”
Vdara Hotel & Spa
Las Vegas, Nevada
- 10.30.14 SLI Awards Banquet
Introducing People
- 10.24.14 French Rugby Federation
“Return to Play After Cervical Spine Injury”
Biarritz, France

- 10.23.14 French Rugby Federations
“Second Impact Syndrome Update”
Biarritz, France
- 10.16.14 31st Annual BIA Colorado Conference
“Concussion Management: Yesterday, Today Tomorrow”
Colorado Convention Center
Denver, CO
- 10.14.14 NHL Presentation
“Concussion/Post Concussion Syndrome and CTE”
Boston, MA
- 10.8.14 Oakmeadow School
“ImPACT Testing and Concussion Management”
Littleton, MA
- 8.13.14 Western University
“Sport Safety and Accident Reduction, Including The Establishment of Helmet Standards”
“Treatment Outcomes, Signs and Symptoms and Contemporary Treatment Strategies”
London, ON, Canada
- 7.31.14 #C4CT Concussion Awareness Summit
“Current State of Sport Concussion”
United Nations Headquarters
NYC, NY
- 7.18.14 Third Annual Western Slope Sports Medicine Clinical Symposium
“Concussion Management – Yesterday, Today, Tomorrow”
Grand Junction, CO
- 7.15.14 Hit Count Meeting
- 6.20.14 NOCSAE Summer Meeting
Boston, MA
- 6.5.14 Concord Rotary Club
“Why Youth Are At Increased Risk of Concussion”
Concord, MA
- 5.29.14 White House Concussion Summit
Washington, DC
- 5.23.14 11th Annual Sports Conference
“Practice Like Pros”
Martin Conference Center
Harvard Medical School
Boston, MA
- 5.16.14 9th Annual Brain Injury Rehabilitation Conference
“Update on Chronic Traumatic Encephalopathy”
“Management of Concussion in Student Athletes”
Liberty Station conference Center
San Diego, CA
- 5.8.14 New England Youth Concussion forum

- “Concussion Past, Present, Future”
 Gillette
 Foxboro, MA
- 4.26.14 2014 Sports Sciences Symposium
 “Concussions: The Current Concussion Lessons We Have Learned”
 Hilton Orlando at Lake Buena Vista Hotel
 Orlando, FL
- 4.6.14 AMSSM
 “Neurological Assessment and Concussion Management”
 “Breaking Backbones: Diagnosis and Management of Spinal Fractures in Athletes”
 Hyatt Regency New Orleans
 New Orleans, LA
- 3.29.14 ARP Mid Term Board Meeting
 Miami, FL
- 3.21.14 Mackey White TBI Committee Meeting
 Waldorf Astoria, Orlando
 Orlando, FL
- 3.17.14 Brain Injury Association of South Carolina
 “Short Term and Long Term Results of Repetitive Sub-Concussive and Concussive Head
 Injury”
 Columbia, SC
- 2.27.14 Press Conference
 “House Bill 5113, An Act Concerning Youth Athletics and Concussion”
 Hartford, CT
- 1.29.14 C4CT Concussion Awareness Summit
 “Long Term Consequences of Repetitive Brain Trauma: CTE and Neurodegeneration”
 United Nations
 NYC, NY
- 1.23.14-1.24.14 5th Annual USA Rugby sports Medicine Symposium
 “Short Term and Long Term Results of Repetitive Sub-Concussive and Concussive Head
 Injury”
 Las Vegas, NV
- 1.17.14 NOCSAE Winter Board Meeting 2014
 SAC Presentation
 Royal Palms
 Phoenix, AZ
- 1.9.14 NASCAR Meeting
 John Bobo, Steve O’Donnell, Jim Cassidy, Thomas Gideon, P.E., John Patalak, P.E.
 Daytona, FL
- 12.14.13 Beth Israel Deaconess Hospital
 “Risks for and Management of Patients with Concussions”
 Dedham Holiday Inn
 Dedham, MA
- 12.13.13 NCCSIR

Chapel Hill, NC

- 11.25.13 Safe Sports Think Tank: Exploring the relationship between childhood sports-related concussions and long-term cognitive outcomes
“What Should Parents Know About Short and Long-Term effect of Concussions, and Should Parents Limit Sports Activities For Children Who Have Suffered Multiple Concussions”
Washington, DC
- 11.14.13 Press Conference
Legislative Office Building
Albany, NY
- 10.25.13 Boston Sports Medicine Symposium 2013
“How to Reduce the Risk of Concussions and CTE in Collision Sports”
Waltham Woods conference Center
Waltham, MA
- 10.24.13 ARP Annual conference
“Relationships Between CTE and Concussive Exposure in Contact Sports”
Symposium: Concussion and Action Points
VDARA Hotel & Spa
Las Vegas, NV
- 10.16.13 Annual Emerson Hospital Auxiliary
“The Concussion Crisis: Where Are We Today?”
Nashawtuc Country Club
Concord, MA
- 10.4.13 Reading Hospital
Grand Rounds
“Concussion Crisis in Youth Sports”
Thun/Janseen Auditorium
West Reading, PA
- 9.26.13 Belmont Hill School
“Concussion Update”
Belmont, MA
- 9.17.13 Emerson Hospital Cooperator Dinner
“The Concussion Crisis in 2013”
Emerson Hospital
Concord, MA
- 9.12.13 Fourth Annual Sports Law & Ethics Symposium
Santa Clara, CA
- 8.18.13 LA84 Foundation
“The Concussion Crisis in Youth Sports”
Los Angeles, CA
- 8.10.13 Massachusetts Coaches’ Association
“Practice Like Pro’s”
Worcester, MA
- 7.13.13 AOSSM 2013 Annual Meeting
Sheraton Chicago Hotel & Towers

Chicago, IL

- 6.28.13 NOCSAE Summer Board Meeting
Fairmont Olympic Hotel
Seattle, WA
- 5.17.13 10th Annual Sports-Related Conference on Concussion and Spine Injury
“Cervicogenic Headache, Upper Cervical Spine”
Martin conference Center at Harvard Medical School
Boston, MA
- 4.24.13 Mackey-White TBI Committee Meeting
Westin Grand Central
New York, NY
- 4.11.13 New England Patriots Alumni Club, Inc.
CBS Scene, Patriots Place
Foxboro, MA
- 4.10.13 SLI Reception
Boston Harbor Hotel
Boston, MA
- 4.8.13 NOCSAE SAC Meeting
Westin Atlanta Airport Hotel
Atlanta, GA
- 3.22.13 8th Annual Brain Injury Rehabilitation Conference
“The Concussion Crisis-Later Life Consequences”
“Why We Need to Re-Think How Youth Sports Are Played”
Sheraton Carlsbad Resort
Carlsbad, CA
- 3.9.13 Second Matthew Gfeller Neurotrauma Symposium
“Are Professional Sports Athletes Different From the Rest?”
Chapel Hill, NC
- 1.27.13 NOCSAE Board Meeting
SAC Presentation
Fairmont Olympic Hotel
Seattle, WA
- 12.1.12 APR Winter Board Meeting
Atlantic City, NJ
- 11.16.12 NOCSAE Grant Meeting
Chapel Hill, NC
- 11.14.12 “Concussion and Our Kids”
Park School of Baltimore
Baltimore, MD
- 11.4.12 4th International Consensus Conference on Concussion in Sport
Writing Group
FIFA House

Zurich Switzerland

- 10.31.12 - 4th International Consensus Conference on Concussion in Sport
“The NFL and Brain Safety First Since Zurich 2008”
- 11.4.12 FIFA House
Zurich Switzerland
- 10.27.12 Boston Sports Symposium
“Protecting the Athlete’s Brain”
Waltham Woods Conference Center
Waltham, MA
- 10.26.12 2012 Brain Trauma and the Athlete Conference
“Case Presentations and Discussion of Concussion, Post-Concussion Syndrome
And CTE”
The Conference Center at Bentley College
Waltham, MA
- 10.26.12 2012 Brain Trauma and the Athlete Conference
“Graduated Return to Play and Academics”
The Conference Center at Bentley College
Waltham, MA
- 10.26.12 2012 Brain Trauma and the Athlete Conference
“Pathophysiology and Biomechanics of Concussion, Head Injury, and
Second Impact Syndrome”
The Conference Center at Bentley College
Waltham, MA
- 10.25.12 2012 Hit Count Symposium
“Evidence of Dose-Related Brain Damage and Disease-Is there a Threshold?”
Waltham, MA
- 10.13.12 Eighteenth Annual Brain Injury Symposium
Keynote Speaker
“Short and Long-term Consequences of Repetitive Head Trauma, Post Concussion
Syndrome – CTE Chronic Traumatic Encephalopathy”
JW Marriott Hotel
Miami, FL
- 10.12.12 2nd Annual Conference Concussion in Athletics: From Brain to Behavior”
“Consequences of “Ignorance & Arrogance” in accurate assessment of sport-related
Concussions”
Penn State University, PA
- 9.30.12 Cleveland Clinic Lou Ruvo Center for Brain Health
“Chronic Traumatic Encephalopathy (CTE) Conference 2012”
“CTE in the NFL: What Changes Have Been Made and What More Needs to be Done?”
Frank Gehry – designed Keep Memory Alive Center
Las Vegas, NV
- 8.15.12 St. Mary’s Healthcare
Gloversville High School
“Short and Long-term Consequences of Repetitive Head Trauma, Post Concussion

Syndrome – CTE Chronic Traumatic Encephalopathy”
Gloversville, NY

- 8.15.12 St. Mary’s Healthcare
Amsterdam High School\
“Short and Long-term Consequences of Repetitive Head Trauma, Post Concussion
Syndrome – CTE Chronic Traumatic Encephalopathy”
Amsterdam, NY
- 7.19.12 Center for the Study of Traumatic Encephalopathy
Presentation to President BU
- 6.14.12 NOCSAE Board Meeting
NOCSAE Scientific Advisory committee Report to the Board
Intercontinental Hotel
Kansas City, MO
- 6.1.12 ARP Annual Meeting
“Concussion and Head Trauma in Martial Arts”
San Francisco Marriott Marquis
San Francisco, CA
- 5.26.12 Congress AQMS 2012
“Concussion Update 2012”
Grenville-sur-la-Rouge
Montreal Canada
- 5.18.12 Children’ Hospital Annual Sports Medicine Meeting
Sports-Related Conference on Concussion and Spine Injury
“Prevention of Concussion: What Works, What Doesn’t”
Joseph B. Martin Conference Center
Boston, MA
- 5.11.12 Injuries in Football 2012
“Head and Spine Injuries in Football: Concussion: Where are We Now”
Andrews Institute
Destin, FL
- 4.24.12 FC Stars of MA
“Concussion Prevention”
Nashawtuc Country Club
Concord, MA
- 4.23.12 National School Board Association Meeting
“Head Injuries”
Boston Convention Center
Boston, MA
- 4.18.12 NOCSAE Retreat
Westin Atlanta Airport
Atlanta, GA
- 4.13.12 Emerson Hospital Grand Rounds
“Current Concepts and Future Trends in Concussion Evaluation, Management and Treatment”
Assembly Room A/B
Emerson Hospital

- Concord, MA
- 4.11.12 FC Stars of MA
“Concussion Prevention”
Nashawtuc Country Club
Concord, MA
- 3.26.12 NFLPA Annual Meeting
Mackey-White Traumatic Brain Injury Committee
Marco Island Marriott
Marco Island, FL
- 3.23.12 2012 Harvard Law Sports Symposium
“Concussion Crisis in Professional Sports”
Panelist
Harvard Law School
Cambridge, MA
- 3.23.12 Parker Memorial DBP CME Program BU/BMC
“Youth Concussions: Diagnosis, Management Including Return to Play and Prevention”
Boston University School of Medicine
Boston, MA
- 3.21.12 FC Stars of MA
“Concussion Prevention”
Nashawtuc Country Club
Concord, MA
- 3.18.12 NHL Meeting
New York, NY
- 3.11.12 APR Meeting
JW Marriott
Indianapolis, IN
- 2.25.12 Professional Football Chiropractic Meeting
“Concussion Management: Short and Long-term Consequences of Mismanaging a Concussion”
Indianapolis, IN
- 2.25.12 Professional Football Chiropractic Meeting
“Catastrophic and Long-Term Outcomes After Traumatic Brain Injury”
Indianapolis, IN
- 1.28.12 LifeBridge Health Concussion Symposium
“Chronic Effects of Concussive Injury”
Sinai Hospital of Baltimore Zamoiski Auditorium
Baltimore, MD
- 1.25.12 Syracuse Neuroscience Grand Rounds
“Short and Long Term Consequences of Mismanaging a Concussion”
Upstate Medical University
Syracuse, NY
- 1.21.12 NOCSAE Board Meeting
SAC Report to Board of Trustees
Royal Palms

Phoenix, AZ

- 1.7.12 Eastern Athletic Trainers Association
“Concussion Update”
Copley Plaza
Boston, MA
- 12.10.11 Beth Israel Deaconess Hospital Core Curriculum Series
“Traumatic Brain Injury: From Concussions to More Severe Injuries”
Dedham Holiday Inn
Dedham, MA
- 12.9.11 Retired Men’s Association
“Concussion Update”
First Baptist Church
Sudbury, MA
- 12.5.11 Congressional Hearings Testimony
NOCSAE
Congress
Washington, DC
- 11.17.11 Hyannis Rotary Club Luncheon
“Concussion Crisis”
Hyannis Country Club
Hyannis, MA
- 11.14.11 NOCSAE Youth Football Helmet Meeting
Westin Atlanta Airport
Atlanta, GA
- 11.4.11 Boston Shoulder and Sports Symposium 2011
“Concussion Update”
Conference Center at Waltham Woods
Waltham, MA
- 10.28.11 2011 Brain Trauma and Athletic Conference
Boston University Center for the Study of Traumatic Encephalopathy
“Return to Play Guidelines and Step-by-step Clinical Recommendations”
Framingham Sheraton
Framingham, MA
- 10.27.11 APR Annual Meeting
“Chronic Traumatic Encephalopathy”
Omni Orlando Resorts Championship Gate
Orlando, FL
- 10.24.11 Harvard University Lunch Time Learning Talk
“The neurophysiological cascade of concussion and brain damage – what is going on in the gray/white matter? Brain stem trauma – shearing/tearing – CNS damage from whiplash direct blows
Murr Center, Harvard University
Boston, MA

- 9.26.11 2011 Boston Public Schools Advanced Concussion Training
 “Concussion Management for Coaches”
 Northeastern University
 Boston, MA
- 9.22.11 Athletics Committee Williams College
 “New Trends in Concussion Management”
 Williams College
 Williamstown, MA
- 9.22.11 Athletics Committee Williams College
 “Concussion for Coaches and Trainers”
 Williams College
 Williamstown, MA
- 9.21.11 Grand Rounds Haywood Hospital
 “Current Evaluation and Management of Concussion”
 Henry Haywood Hospital
 Gardner, MA
- 7.23.11 1st Annual USOC Sports Medicine Symposium
 “Keynote Presentation: Current Concepts and Future Trends in Concussion Evaluation,
 Management, and Treatment
 Olympic Training Center
 Colorado Springs, CO
- 7.17.11 ATSNJ 2nd Annual Sports Concussion Summit
 “Keynote Presentation: Long-Term Effects of Concussion
 Wyndham Princeton Forrestal Village
 Plainsboro, NJ
- 6.17.11 NOCSAE Board Meeting
 “Report of the Scientific Advisory Committee Meeting of 4.22.11
 Carolina Inn
 UNC Chapel Hill
- 6.4.11 2011 Jacksonville Concussion Summit
 “Concussion Management in your Community”
 Brooks Rehabilitation Hospital
 Jacksonville, FL
- 6.4.11 2011 Jacksonville Concussion Summit
 “Concussion 101”
 Brooks Rehabilitation Hospital
 Jacksonville, FL
- 5.28.11 Canadian Athletic Trainers Association Annual Meeting
 “Chronic Traumatic Encephalopathy”
 Banff, Alberta Canada
- 5.27.11 Sports-Related Conference on Concussion & Spine Injury
 “How the NFL Has Become a Leading Concussion Advocate”
 Fenway Park
 Boston, MA

- 5.7.11 Sports Related Concussion and Cervical Spine Injury Symposium
 “Everything You Wanted to Know About Sports Related Concussion:
 Epidemiology/Incidence/Research”
 Rust Auditorium – North Shore University Hospital
 Manhasset, NY
- 5.6.11 Andrews Institute “Injuries in Football” Conference
 “Concussion: More Than Just a Headache”
 Destin, FL
- 4.30.11 Inaugural UNC Matthew Gfeller Center Sport-Related Neurotrauma Symposium
 “Catastrophic and Long-Term Outcomes of TBI”
 UNC Chapel Hill
- 4.30.11 Inaugural UNC Matthew Gfeller Center Sport-Related Neurotrauma Symposium
 “Pharmacological Interventions and Return-To-Play After Spinal Injury”
 UNC Chapel Hill
- 4.29.11 Head Injury Symposium: Stunts & Tumbling, Cheerleading and other female sports
 “Keynote Message, The Latest on the Concussion Crisis”
 Omni Parker House Hotel
 Boston, MA
- 4.22.11 NOCSAE Scientific Advisory Committee Meeting
 Westin Atlanta
 Atlanta, GA
- 4.1.11 MMS and DPS Sports Concussion Symposium and State Laws
 “Concussion Management and Prevention”
 Mass Medical Society Conference Room
 Waltham, MA
- 3.23.11 RI Primary Care Physicians Corporation
 “Concussion Management – New Strategies”
 Crowne Plaza
 Warwick, RI
- 3.19.11 Massachusetts Neurology Society
 “Traumatic Brain Injury – Pathophysiologic Mechanisms”
 Newton Marriott
 Newton, MA
- 2.26.11 Joint Commission on Sports Medicine and Science
 “Boxing Policy/Legislation: How it Can Be Improved”
 Philadelphia Convention Center
 Philadelphia, PA
- 2.26.11 Joint Commission on Sports Medicine and Science
 “Concussion Landscape”
 Philadelphia Convention Center
 Philadelphia, PA
- 2.25.11 NFL Players Association Mackie/White TBI Committee
 “Concussion and the Role of the Helmet”
 Conrad Hotel

Indianapolis, Indiana

- 02.02.11 39th Annual INS Meeting
“Chronic Traumatic Encephalopathy: Long-term Consequences of Repetitive Brain Trauma”
Boston, MA
- 1.14.11 Washington DC Children’s Hospital
National Forum on Youth Sport Concussion Taking Action State by State
“The Concussion Landscape”
Children’s National Medical Center
Washington, DC
- 1.11.11 Brigham Young University College of Life Sciences
Sports Concussion and Brain Injury Seminar
“Brain Injuries and Concussions”
Brigham Young University, Provo, UT
- 12.13.10 NFL Players Association Meeting
Mackey-White TBI Committee Members
Washington, DC
- 12.8.10 NFL Meeting
“NOCSAE: Current and future helmet standards
NYC, NY
- 11.18.10 Retired Athletes Meeting
Chapel Hill, NC
- 11.10.10 Get aHead Workshop: Emerging Knowledge and Significance of Sports-Related Concussions
“International Perspective On Concussions”
Dartmouth-Hitchcock Medical Center
Hanover, NH
- 11.04.10 AAPRP Annual Meeting The Brain and Neck In Boxing and Related Sports
“Concussion Definitions and Clinical Manifestations
Omni Orlando Resort at ChampionsGate
Orlando, FL
- 11.01.10 Hockey Concussion in Canada
Hockey Concussion Education Project (HCEP) – an Independent Physicians’ Study –
Presentation of findings – Press Conference
InterContinental Toronto Centre – Ontario Room
Toronto, Canada
- 10.29.10 Boston Shoulder and Sports Symposium 15th Annual
“Update Athletic Head and Neck Injuries”
Mass Medical Society Conference Center
Waltham, MA
- 10.20.10 Ice Hockey Summit: Action on Concussions
“Incorporating Hockey and Medical Knowledge with Action Items for Prevention”
Mayo Clinic
Rochester, MN

- 10.13.10 Lincoln Sudbury Regional High School Sports Conference
 “Concussion in Sports Update”
 LSRHS Auditorium
 Sudbury, MA
- 10.5.10 “Gender and Age Effects On Concussion”
 22nd Annual Ironman Sports Medicine Conference in Conjunction with the 2010
 Ford Ironman World Championships
 Royal Kona Resort
 Kailua-Kona, HI
- 10.5.10 “Overview of Sports Related Concussion”
 22nd Annual Ironman Sports Medicine Conference in Conjunction with the 2010
 Ford Ironman World Championships
 Royal Kona Resort
 Kailua-Kona, HI
- 10.1.10 BU Second Annual Head Trauma in the Athlete Conference
 Massachusetts Medical Society Auditorium
 Waltham, MA
- 9.23.10 Emerson Hospital Youth Sports Injury Symposium
 Concussions in Sports
 Concord Carlisle High School Auditorium
 Concord, MA
- 9.22.10 New Hampshire Pediatric Society
 “Concussion Recognition, Management and Long term Sequellae”
 SERESC Conference Center
 Bedford, NH
- 9.15.10 Brigham and Women’s Hospital CORE Meeting
 “Head Injuries and Athletes and Return to Play”
 Brigham and Women’s offsite at Chestnut Hill
 Chestnut Hill, MA
- 8.21.10 Athletic Trainers Association of New Jersey Concussion Summit
 “Management of Concussion 2010”
 Philadelphia, PA
- 6.28.10 “Coaches and Concussion”
 Hooksett, NH
- 6.17.10 “Physical Fitness and Sports Medicine – Post Concussion”
 “Short and Long Term Consequences of Mismanaging Concussion”
 8th Annual Symposium on Men’s Health
 Mass Medical Society Headquarters
 Waltham, MA
- 6.12.10 United States Sports Academy
 2009 United States Sports Academy Ernst Jokl Sports Medicine Award Presentation
 To Dr. Robert Cantu
 Harvard University
 Cambridge, MA

- 5.18.10 Association of Chief Executives of Sport
 “Short and Long Term Consequences of Mismanaging Concussion
 Antlers Hilton Hotel
 Colorado Springs, CO
- 5.14.10 “What is a Concussion? Current Consensus Guidelines”
 The Seventh Annual Sports-Related Conference on Concussion & Spine Injury
 Presented by Brigham and Women’s Hospital
 Fenway Park
 Boston, MA
- 5.7.10 Keynote Speaker
 “Chronic Traumatic Encephalopathy”
 Neurology in the News
 The University of Toledo, Department of Neurology and Center for Continuing Medical
 Education
 Eleanor N. Dana Conference Center – University of Toledo
 Toledo, Ohio
- 4.29.10 “Concussion in Sports Presentation at the CDC”
 National Center for Injury Prevention and Control
 Centers for Disease Control and Prevention
 Atlanta, GA
- 4.26.10 “2010 Sports and Society Colloquium”
 Brown University, Salomon Hall
 Providence, RI
- 4.22.10 “Short and Long Term Consequences of Mismanaging an Athletic Concussion”
 2010 Injuries in Football Course
 Andrews Institute
 Pensacola, FL
- 4.8.10 “Short and Long Term Consequences of Mismanaging Concussion”
 Massachusetts General Hospital Neurosurgery Grand Rounds
 Ether Dome, MGH
 Boston, MA
- 4.7.10 “Short and Long Term Consequences of Mismanaging a Concussion”
 Boston University Grand Rounds
 Boston University School of Medicine Continuing Medical Education
 Boston, MA
- 3.12.10 “The Triad of Symptomatic Concussion, Second Impact Syndrome and Thin Subdural
 Hematoma”
 Is Football Bad for the Brain?
 Forensic Scientific, Medical-Legal and Societal Aspects of Concussion Debate
 The Cyril H. Wecht Institute of Forensic Science and Law
- 3.12.10 “Update on NFL Concussion Committee Experiences”
 Is Football Bad for the Brain?
 Forensic Scientific, Medical-Legal and Societal Aspects of Concussion Debate

The Cyril H. Wecht Institute of Forensic Science and Law

- 3.7.10 “Interactive Case Studies
Youth Sports Concussions: Education to Legislation
Kane Hall Rm 130
University of Washington Campus
Seattle, Washington
- 3.6.10 Keynote Speaker
“Chronic Traumatic Encephalopathy”
Youth Sports Concussions: Education to Legislation
Kane Hall Rm 130
University of Washington Campus
Seattle, Washington
- 2.18.10 “The Short and Long Term Consequences of Mismanaging Concussion”
Concussion and Mild Traumatic Brain Injury: Update 2010
CSM Annual Meeting
Omni San Diego Hotel
San Diego, CA
- 1.26.10 NFL Players Association Concussion Committee
Medical Committee
Breakers
Palm Beach, FL
- 1.9.10 “Concussions”
Eastern Athletic Trainers Association Annual Meeting
Marriott Copley
Boston, MA
- 11.10.09 “Managing Concussion”
Pediatric Brain Injury Conference – BIA-MA
Best Western Royal Plaza
Marlborough, MA
- 11.6.09 “Panel Discussion on TBI”
Partnership for Military Medicine Symposium
Omni Shoreham Hotel
Washington, DC
- 10.30.09 “Concussions”
Fourteenth Annual Boston Shoulder and Sports Symposium 2009
Conference Center
Waltham Woods, Waltham, MA
- 10.29.09 CNN - Lou Dobbs
“Testimony before U.S. House Judiciary Committee”
Time Warner Building – CNN Headquarters, NYC
New York, NY
- 10.29.09 “Testimony Before U.S. House Judiciary Committee – Hearing on Legal Issues Relating
To Football Head Injuries”

Rayburn Building
Washington, DC

- 10.16.09 “Study of Traumatic Encephalopathy”
The American Association of Professional Ringside Physicians, Inc.
2009 Annual Medical Seminar
Mohegan Sun
Uncasville, CT
- 10.2.09 Welcoming Remarks
“Overview of Current Concussion Consensus Statements Including Zurich Conference”
Concussion and the Athlete
Boston University Medical Center School of Medicine Continuing Education
Gillette Stadium, Foxboro, MA
- 10.2.09 “Panel Discussion”
Concussion and the Athlete
Boston University Medical Center School of Medicine Continuing Education
Gillette Stadium, Foxboro, MA
- 10.2.09 “Chronic Traumatic Encephalopathy and the Athlete – Update from the Center for the Study
Of Traumatic Encephalopathy”
Concussion and the Athlete
Boston University Medical Center School of Medicine Continuing Education
Gillette Stadium, Foxboro, MA
- 9.3.09 “Traumatic Brain Injury in Sports: When Can the Athlete Return to Play?”
XIV World Congress of Neurological Surgery of the WFNS
Boston, MA
- 6.18.09 “The Concussion Dilemma: Are We Headed in the Right Direction”
60th NATA Annual Meeting and Clinical Symposia
Henry B. Gonzalez Convention Center
San Antonio, TX
- 5.27.09 “Managing Sports Related Concussion in the Youth and Adolescent Athlete”
American College of Sports Medicine Annual Meeting
Seattle, WA
- 5.20.09 “Overview of Sports Concussion Consensus Statements and Chronic Traumatic
Encephalopathy”
Brain Injury Association of New Hampshire 26th Annual Brain Injury and Stroke Conference
Radisson, Manchester, NH
- 5.15.09 “Playing with Post Concussion Symptoms: Alarming Rates and Prevalence”
3rd Annual National Summit on Concussion and Other Sports Medicine Injuries
Westin Hotel LAX
Los Angeles, CA
- 5.15.09 “What Should a Concussion Evaluation Consist Of”
3rd Annual National Summit on Concussion and Other Sports Medicine Injuries”
Concurrent Afternoon Session
Westin LAX
Los Angeles, CA
- 5.14.09 Keynote Address:

College Athletic Trainers' Society
2009 Spring Symposium for Athletic Trainers and Team Physicians
The Orleans Hotel and Casino
Las Vegas, Nevada

- 5.9.09 "Concussion Management: Yesterday, Today and Tomorrow"
Sanford Sports Medicine Symposium
Sanford University South Dakota Medical Center
Sioux Falls, South Dakota
- 5.9.09 "Return to Play Issues Following Cervical Spine Injury"
Sanford Sports Medicine Symposium
Sanford University South Dakota Medical Center
Sioux Falls, South Dakota
- 5.9.09 "Catastrophic and Long Term Effects of Concussion"
Sanford Sports Medicine Symposium
Sanford University South Dakota Medical Center
Sioux Falls, South Dakota
- 5.9.09 "On-the-Field Management of the Concussed Athlete"
Sanford Sports Medicine Symposium
Sanford University South Dakota Medical Center
Sioux Falls, South Dakota
- 5.1.09 "Overview: Current Concussion Guidelines from the International Study Group"
6th Annual Sports Conference
BWH Hospital Conference
Fenway Park
Boston, MA
- 4.27.09 "Coaches Education Initiative"
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 4.27.09 "Celebrity Athletes – Is Management the Same?"
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 4.27.09 "Legal Case Discussion Sport and the Law"
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 4.21.09 "Traumatic Brain Injury & Physiological Disorders Facing Athletes Post Performance"
Summit on Health of the Former Professional Athlete
LaQuinta Spa and Resort
Palm Springs, CA
- 4.13.09 "Pharmacological Interventions in Management of Spine Injuries"
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation

Chapel Hill, NC

- 4.13.09 “Return to Play After Spinal Injury”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 4.13.09 “Spine Injuries and Contraindications to Participation in Collision Sports”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 4.5.09 “Current Concussion Classification and Return to Play Criteria”
First Annual Spring Current Concepts in Sports Related Concussions Symposium
Athletic Trainer Solutions
St. Paul Catholic High School
Bristol, CT
- 3.16.09 “Overview of Injury Types and Associated Complications”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 3.16.09 “Anatomy and Biomechanics of Spine Injuries in Sport”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 3.16.09 “Spine Injuries – Which Sports are at Greatest Risk and Why?”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 2.16.09 “Case Studies”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 2.16.09 “Parkinson’s Disease”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 2.16.09 “Chronic Traumatic Encephalopathy”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 2.16.09 “Post Concussion Syndrome”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.27.09 Press Conference
Chronic Traumatic Encephalopathy
In Association with the Super Bowl

Tampa, Florida

- 1.26.09 “Anatomical Dissection of the Brain”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.26.09 “Headaches in the Athlete”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.26.09 “Epilepsy and Athletics”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.26.09 “Stroke in Athletes”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.26.09 “Malignant Brain Edema and Second Impact Syndrome”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.26.09 “Intercerebral Hematoma”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.17.09 “Current Testing and Return to Play Issues/Guidelines – Zurich Update”
London Hockey Concussion Summit
London Hilton Hotel
London, Ontario, Canada
- 1.12.09 “Ionic and Metabolic Consequences of Concussion”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.12.09 “Athletic Head Injuries – Which Sports are at Greatest Risk and Why?”
Neurologic Head and Spine Injuries Semester Course Lecture
University of North Carolina – Doctorate Program Presentation
Chapel Hill, NC
- 1.9.09 “Post Concussion Syndrome and Traumatic Encephalopathy”
Emerson Hospital Medical Staff Clinical Conference
Emerson Hospital, Concord, MA
- 1.6.09 “Post Concussion Syndrome and Traumatic Encephalopathy”
Boston University Grand Rounds Presentation
Boston, MA

- 10.30-31.08 “Is Immediate Return to Play in the Same Game Ever Justified?”
3rd International Conference on Concussion in Sport
Hotel Zurichberg
Zurich Switzerland
- 10.18.08 “Pituitary Dysfunction in Professional Boxing and the National Football League”
2008 Annual Medical Seminar, AAPRP
Paris/Bally’s Resort & Casino
Las Vegas, Nevada
- 10.3.08 “Return to Boxing After Subdural Hematoma – When?”
World Boxing Association Medical Seminar, 87th Annual Convention
Hotel Barcelo Bavaro Palace
Punta Cana, Dominican Republic
- 9.18.08 “Traumatic Brain Injury and Shaken Baby Syndrome”
14th International Conference Child Abuse Allegations: Separating Scientific Fact from Fiction
Riviera Hotel and Casino
Last Vegas, NV
- 7.24.08 “Preventive Aspects of Sports Concussion”
New Developments in Sports-Related Concussion Conference
Sheraton Station Square
Pittsburgh, PA
- 6.21.08 “Concussion in Sports”
New York State Public High School Athletic Association (NYSPHSAA)
Saratoga, NY
- 6.11.08 “Neurotrauma in Sports”
Symposium on the Prevention of Spinal Cord Injuries and Concussions in Hockey
Hockey Hall of Fame
Toronto, Canada
- 5.28.08 “Neuropsychological Assessment of the Concussed Athlete: Only One Piece of the Concussion
Puzzle”
ACSM 55th Annual Meeting
Indianapolis, IN
- 5.9.08 “Concussion in Women Athletes”
2008 Sports Related Conference on Concussion and Spine Injury
Brigham and Women’s Hospital
Fenway Park
Boston, MA
- 5.3.08 “Concussion in Sports”
The Hill School
Pottstown, PA
- 5.1.08 “Concussion and High School Sports, Risks and Management”
Arlington High School
Arlington, MA

- 4.19.08 “Concussion in Sports: Does Gender Matter?”
The National Concussion Summit
Concussion in Sports: Advancing Health and Safety
Marriott Hotel
Marina del Rey, CA
- 4.18.08 “Concussion in Sports: Does Gender Matter?”
The National Concussion Summit
Concussion in Sports: Advancing Health and Safety
Marriott Hotel
Marina del Rey, CA
- 4.3.08 “Concussions and Sports”
Winchester High School
Winchester, MA
- 3.13.08 “Clinical Models for Concussion Management and Return to Play”
Fourth International Meeting on Minor Traumatic Brain Injury in Sports
Hotel Crystal, St. Moritz, Switzerland
- 3.8.08 “Concussions and the Sports Legacy Institute”
Joint Commission on Sports Medicine and Science 2008
New Orleans Hilton Riverside
New Orleans, LA
- 12.13.07 “Current Advances in Concussion Management/Traumatic Encephalopathy”
Grand Rounds
Brigham and Women’s Hospital
Boston, MA
- 11.29.07 “Concussion in Sports”
Two presentations to student assemblies
Concord Carlisle High School
Concord, MA
- 11.28.07 “Concussion and Sports”
Presentation for parents, coaches, trainers, nurses and physicians
Concord Carlisle High School
Concord, MA
- 11.26.07 “Chronic Traumatic Encephalopathy/Concussion”
Boston Medical Center Grand Rounds
Boston Medical Center
Boston, MA
- 11.29.07 “Update Baby Joe Mesi”
Medical Advisory Board Meeting
Massachusetts Boxing Commission
McCarthy Building
Boston, MA
- 11.29.07 “More Than Just a Bump on the Head”
Concord Carlisle High School Students Presentation

- Two Presentations One hour each to student body
Concord, MA
- 11.28.07 “More Than Just a Bump on the Head”
Concord Carlisle High School Parents Presentation
Concord, MA
- 11.26.07 “Concussion and Sports Related Head Injury”
Neurosurgery/Surgery Grand Rounds
Boston University Medical Center
Boston , MA
- 11.15.07 “Joe Mesi Update”
AAPRP Annual Meeting
Intercontinental Hotel and Resort
San Juan, Puerto Rico
- 10/29/07 “Concussion in High School”
Woburn High School
Woburn, MA
- 10/26/07 “Concussion and Sudden Death: Coping With Two Crises”
Independent School Health Association Annual Meeting
New Canaan Country School
New Canaan, CT
- 9/27/07 “Concussions in High School”
Austin Prep School
Reading, MA
- 9/24/07 “The Concussion Crisis in Football”
U Mass Lowell Athletic Department Meeting
McGauvran Hall
Lowell, MA
- 9/17/07 “History of Concussion and Second Impact Syndrome”
New Hampshire Interscholastic Athletic Association
Annual Meeting
Courtyard by Marriott
Concord, NH
- 7/13/07 “Concussion/Brain”
The American Orthopedic Society for Sports Medicine Annual Meeting
TELUS Convention Center
Calgary, Canada
- 7/12/07 “Spine Instructional Course”
The American Orthopedic Society for Sports Medicine Annual Meeting
TELUS Convention Center
Calgary, Canada
- 6/1/07 The D.B. Historical Lecture

- “The Evolution of Sports-related Concussion Recognition, Management and Prevention: The Science, the Art and the Politics.”
Annual Meeting ACSM
New Orleans, Louisiana
- 5.5.07 “Concussion: How to make the diagnosis and Overview of Current Concussion Consensus Statements”
Sports Specific Rehabilitation Program
High Performance Sports, Inc.
Peabody, MA
- 4/30/07 “Concussion Management and Diagnosis”
New England University Medical Department Seminar
New England University
Biddeford, ME
- 4/27/07 “Overview of Current Concussion Consensus Statement”
2007 Sports Related Conference on Concussion and Spine Injury
Fenway Park
Boston, MA
- 4.20.07 “Traumatic Encephalopathy Among NFL Players”
The National Concussion Summit. Concussion in Sports: The Under-Recognized Public Epidemic
The Marriott Hotel
Los Angeles, CA
- 4/20/07 “Concussion in Sports: State of the Science - Discussant
The National Concussion Summit: Concussion in Sports: The Under-Recognized Public Epidemic
The Marriott Hotel
Los Angeles, CAS
- 4/18/07 “Argument to Ban Boxing – Analysis of Neurological Injury”
75th Annual Meeting of the American Association of Neurological Surgeons
Washington, DC
- 3/15/07 “Can the Recognition and Treatment of Hypopituitarism After mTBI Influence Post Concussion Syndrome”
Third International Meeting on Minor Traumatic Brain Injuries in Sports
St. Moritz, Switzerland
- 3/14/07 “How Many Concussion Are Too Many”
Third International Meeting on Minor Traumatic Brain Injuries in Sports
St. Moritz, Switzerland
- 12/8/06 “Cervical Spine Return to Play Issues”
ACSM - Advanced Team Physician Course
Omni Orlando Resort at Championsgate
Orlando, FL
- 12/8/06 “MBTI Return to Play Issues”
ACSM Advanced Team Physician Course
Omni Orlando Resort at Championsgate

Orlando, FL

- 11/9/06 “Concussion Management”
Acute Management of Mild Traumatic Brain Injury in Military Operational Settings
Department of Defense Meeting
Washington, DC
- 10/24/06 “A Case of Concussion in Pop Warner Football”
Playing It Safe
Brain Injury Association of Massachusetts Sports Injury Conference
Best Western Royal Plaza Hotel
Marlborough, MA
- 9/15/06 “Intracranial Bleeding in Boxing/The Joe Mesi Story Round 3”
American Association of Professional Ringside Physicians
2006 Annual Medical Seminar
Luxor Hotel and Casino
Las Vegas, NV
- 9/9/06 “Neurosurgery Head and Neck Injury Update”
Emerson Hospital Fall Sports Primer
Harvey Wheeler Community Center
Concord, MA
- 05/19/06 Case Presentations
Sports Related Concussion and Spine Injury Conference 2006
Brigham and Women’s Neurological Injury Center
Fenway Park
Boston, MA
- 05/13/06 “Management of Cervical Injuries and Related Disorders”
Sports Medicine and Football: The 2006 Perspective
AOSSM Meeting
Seminole Hard Rock Hotel and Casino
Hollywood, FL
- 05/12/06 Physical Examination Spine
Sports Medicine and Football: The 2006 Perspective
AOSSM Meeting
Seminole Hard Rock Hotel and Casino
Hollywood, FL
- 03/10/06 “Return to Boxing After Intracranial Hemorrhage”
USA Boxing Physician Symposium 2006
US Olympic Training Center
Colorado Springs, CO
- 03/10/06 “Acute and Chronic Brain Injuries in Boxing”
USA Boxing Physician Symposium 2006
US Olympic Training Center
Colorado Springs, CO
- 03/07/06 “Acute TBI Assessment and Secondary Prevention”

Armed Forces Epidemiological Board Meeting
Armed Forces Medical Intelligence Center
Fort Detrick Frederick, MD

- 02/24/06 “Evolution of the Understanding of Concussion”
Concussion in Youth Sports Summit
Brain Injury Association of New Jersey
Stadium Club at Giants Stadium
Rutherford, NJ
- 10/28/05 “PASSOR: Sub-Acute Assessment and Management: Grading Systems: Initial Symptom
Management: Second Impact Syndrome: When to Order Imaging”
American Academy of Physical Medicine and Rehabilitation
2005 Annual Assembly
Philadelphia Marriott Downtown
Philadelphia, PA
- 10/28/05 “PASSOR: Concussion/Mild Traumatic Brain Injury: Return to Play and Function Decision
Making”
American Academy of Physical Medicine & Rehabilitation
2005 Annual Assembly
Philadelphia Marriott Downtown
Philadelphia, PA
- 10/27/05 “PASSOR: Vienna Conference Update and Future Decisions: Meet the Experts”
American Academy of Physical Medicine & Rehabilitation
2005 Annual Assembly
Philadelphia Marriott Downtown
Philadelphia, PA
- 6/25/05 “Catastrophic Spine Injury in American Football – effect of athlete education and rule change”
1st World Congress on Sports Injury Prevention
Holmenkollen Park Hotel
Oslo, Norway
- 5/20/05 “What’s New in Concussion Research and Overview of Prague Concussion Consensus
Statement
Brigham and Women’s 2nd Annual Sports Medicine Symposium
Gillette Stadium
Foxboro, MA
- 5/20/05 “NATA/AFCA Sparring in Football Task Force Recommendations”
Brigham and Women’s 2nd Annual Sports Medicine Symposium
Gillette Stadium
Foxboro, MA
- 5/13/05 “Concussion in Sports”
Mass Academy of Family Physicians Annual Meeting
Fort Point Sheraton
Leominster, MA

- 4/30/05 “Interesting Sport Medicine Cases of Concussion in Athletes”
 Concussion in Sports Conference
 Penn State University
 The Penn Stater Conference Center Hotel
 University Park, PA
- 4/29/05 “Concussion Classification: Scales and Categories”
 Concussion in Sports Conference
 Penn State University
 The Penn Stater Conference Center Hotel
 University Park, PA
- 3/10/05 “Catastrophic Spinal Injuries in Football”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/10/05 “Management of Difficult Spine Cases In Athletes”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/12/05 “When to Retire After a Concussion”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/12/05 “Can Second Impact Syndrome Be Eliminated?”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/12/05 “Recommendations from 2004 NATA Position Statement”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/12/05 “2004 Prague International Concussion Conference Consensus Statement”
 5th Annual Sports Medicine and Neurotrauma Review
 Portofino Bay Hotel
 Orlando, FL
- 3/15/05 “Concussion, Head and Neck Injuries”
 Spring Sports Primer
 Emerson Hospital/Harvey Wheeler Community Center
 West Concord, MA
- 2/9/05 “Alanto-Occipital Dislocation – A Largely Preventable Previously Fatal Injury”
 Motorsports Safety Conference
 American College of Sports Medicine Team Physician Pre Conference Course
 Hyatt Regency on the Boardwalk
 San Antonio, TX

- 11/5/04 “National Football League (NFL) and NCAA Football Study”
 IIHF Meeting
 Second International Symposium on Concussion in Sport
 Prague, Czech Republic
- 11/6/04 “How can we prevent diffuse brain swelling/SIS in children?”
 IIHF Meeting
 Second International Symposium on Concussion in Sport
 Prague, Czech Republic
- 11/6/04 “When Should an Athlete Retire Following Concussion”
 IIHF Meeting
 Second International Symposium on Concussion in Sport
 Prague, Czech Republic
- 9/23/04 “Primary Care Management of Closed Head Injuries”
 Southboro Medical Group Meeting
 Southboro, MA
- 7/18/04 “Concussion Guidelines - Current Status”
 University of Pittsburgh Medical Center
 New Developments in Sports – Related Concussion
 The Westin Convention Center
 Pittsburgh, PA
- 6/24/04 NFL Meeting
 NFL Headquarters
 New York, NY
- 6/16/04 Press Conference
 “Position Statement on Sports – Related Concussion”
 National Athletic Trainers Association Annual Meeting
 Baltimore, MD
- 5/22/04 “Diffuse Brain Injuries”
 The William W. Backus Hospital Trauma Department
 Athletic Injuries of the Head and Neck
 Foxwood Resort Casino
 Uncasville, CT
- 5/4/04 “Fatal Brain Injuries in American Football (1945-1999)”
 Sports Concussion and Spine Injury Conference
 Brigham and Women’s Hospital
 Fenway Park
 Boston, MA
- 5/1/04 “Challenges In Identifying and Treating Sports Injuries”
 2004 AANS Annual Meeting
 Orlando Convention Center
 Orlando, FL

- 4/6/04 “Concussions in the Active Child, Adolescent, and Young Adult: Current Concepts, New Findings and Re-Education”
Massachusetts Medical Society Meeting
Waltham, MA
- 9/11/03 “Head Injury and the Risk of Alzheimer’s Disease and Depression”
American Association of Ringside Physicians
Aladdin Hotel
Las Vegas, Nevada
- 7/4/03 “Effects of Dehydration on Race Car Drivers”
Daytona Pepsi 400 Race
Daytona International Speedway
Daytona Beach, Florida
- 6/21/03 “Cervical Spinal Stenosis – A Contraindication for Collision Sports”
International Academy for Sports Dentistry 2003 Annual Meeting
Caribe Hilton Hotel
San Juan, Puerto Rico
- 6/20/03 “Cerebral Concussion Controversies in Sports”
International Academy for Sports Dentistry 2003 Annual Meeting
Caribe Hilton Hotel
San Juan, Puerto Rico
- 5/30/03 “Emergency Care of the Spine Injured Athlete”
American College of Sports Medicine Annual Meeting
San Francisco Convention Center
San Francisco, California
- 5/30/03 “On-the-Field Management of the Spine-Injured Athlete”
American College of Sports Medicine Annual Meeting
San Francisco Convention Center
San Francisco, California
- 5/30/03 “Life After Football: History of Concussive Injuries, Onset of Neurologic Disorders, and Mental Health Issues in former NFL Players”
American College of Sports Medicine Annual Meeting
San Francisco Convention Center
San Francisco, California
- 5/9/03 “Athletic Head and Spine Injuries and Return To Play Decisions”
3rd Annual Legacy Neurosurgery Symposium
Legacy Good Samaritan Hospital
Portland, Oregon
- 4/29/03 “Challenges in Identifying and Testing Sport Injuries”
American Association of Neurological Surgeons Annual Meeting
San Diego, CA
- 3/8/03 “Acute Concussion Evaluation and Post Concussion Syndrome”

Texas ACMS Annual Meeting
Omni Houston Hotel Westside
Houston, Texas

- 1/16/03 “ACSM Motorsports Taks Force Committee Report”
International Council Motorsports Sciences
Mirage Hotel
Las Vegas, Nevada
- 2/7/03 “Brain Fatalities in American Football Over the Last 55 Years”
3rd Annual Neurotrauma and Sports Medicine Review
Grand Floridian Hotel
Orlando, Florida
- 2/7/03 “Interesting Sports Medicine Cases: A Potpourri of Head and Spine Cases”
3rd Annual Neurotrauma and Sports Medicine Review
Grand Floridian Hotel
Orlando, Florida
- 2/7/03 “Ongoing Concussion Controversy”
3rd Annual Neurotrauma and Sports Medicine Review
Grand Floridian Hotel
Orlando, Florida
- 2/8/03 “On-going Cervical-Spinal Stenosis Controversy”
3rd Annual Neurotrauma and Sports Medicine Review
Grand Floridian Hotel
Orlando, Florida
- 12/5/02 “Closed Head Injuries”
Thirtieth Annual Meeting Cervical Spine Research Society
Fontainbleu Hilton Hotel
Miami Beach, Florida
- 12/5/02 “On-the-Field Evaluation of Head Injuries”
Thirtieth Annual Meeting Cervical Spine Research Society
Fontainbleu Hilton Hotel
Miami Beach, Florida
- 9/26/02 “Concussion Guidelines and Return to Play Criteria”
Greater New York State Orthopedic Association
Saratoga, N.Y.
- 7/20/02 “Concussion in Sports Medicine”
New Developments in Sports Related Concussion
University of Pittsburgh School of Medicine
Pittsburgh, PA
- 6/19/02 “Concussion in Sports Medicine”
Sports Medicine Core Curriculum Series Harvard Medical School
Massachusetts General Hospital
Boston, MA
- 6/16/02 “Introduction to the Problem: The Grading Scale and RTP Dilemma”

National Athletic Trainers Association: Annual Meeting
Dallas, TX

- 6/5/02 “Concussion in Athletic Sports-Controversies Regarding Grading and Return to Play Guidelines”
Connecticut Athletic Trainers Association Annual Meeting
Trinity College
Hartford, Connecticut
- 6/1/02 “On-the-Field Evaluation of Head and Neck Injured Athletes”
American College of Sports Medicine: Annual Meeting
St. Louis, MO
- 5/31/02 “Prehospital Care of the Spine-Injured Athlete: A Critical Look at the Task Force Document”
American College of Sports Medicine: Annual Meeting
St. Louis, MO
- 5/31/02 “On-the-Field Evaluation of Head and Neck Injuries”
American College of Sports Medicine: Annual Meeting
St. Louis, MO
- 5/30/02 “The Pros and Cons of Neuropsychological Testing in Concussion”
“The Practical Use of Neuropsychological Testing: Clinically and in Research”
American College of Sports Medicine: Annual Meeting
St. Louis, MO
- 4/13/02 “Grading Scale for Concussion in Sports”
American Academy of Neurology
Denver, Colorado
- 2/16/02 “Overview of Concussion”
2nd Annual Neurotrauma and Sports Medicine Review
Alleghany Hospital, Pittsburgh, PA
Caribe Royale Resort Suites and Villas
Orlando, Florida
- 2/16/02 “Head Injury in Recreational Sports”
2nd Annual Neurotrauma and Sports Medicine Review
Alleghany Hospital, Pittsburgh, PA
Caribe Royale Resort Suites and Villas
Orlando, Florida
- 2/16/02 “Guidelines for Return to Competition after a Mild Head Injury”
2nd Annual Neurotrauma and Sports Medicine Review”
Alleghany Hospital, Pittsburgh, PA
Caribe Royale Resort Suites and Villas
Orlando, Florida
- 11/3/01 “Panel Discussion: When to retire from sports”
European Sports Medicine Conference
Vienna, Austria

- 11/3/01 “Assessing Concussions: Review of Grading Systems”
European Sports Medicine Conference
Vienna, Austria
- 10/1/01 “Neurosurgical Management of Athletic Injuries”
Congress of Neurological Surgeons 51st Annual Meeting
San Diego, California
- 10/1/01 “On-the-Field Management of Head and Neck Injuries”
Kerlin Jobe Clinic
Los Angeles, California
- 7/28/01 New Developments in Sports Related Concussion
“Models of Concussion Management: Current Models of Concussion
Management: Where Are We Headed?”
University of Pittsburgh School of Medicine Center for Continuing
Education in the Health Sciences, Department of Orthopedic Surgery,
UPMC Health System Center for Sports Medicine, Western Psychiatric
Institute and Clinic
Hilton Hotel, Pittsburgh, PA
- 6/8/01 “Second Impact Syndrome”
Manitoba Public Insurance and the Workers Compensation Board of
Manitoba Continuing Medical Education Guest Speakers Series
Winnipeg, Canada
- 6/8/01 “Return to Play After Concussion”
Manitoba Public Insurance and the Workers Compensation Board of
Manitoba Continuing Medical Education Guest Speakers Series
Winnipeg, Canada
- 6/8/01 “Concussion Grading Systems”
Manitoba Public Insurance and the Workers Compensation Board of
Manitoba Continuing Medical Education Guest Speakers Series
Winnipeg, Canada
- 6/8/01 “Biomechanical and Pathophysiology of Head Injury”
Manitoba Public Insurance and the Workers Compensation Board of
Manitoba Continuing Medical Education Guest Speakers Series
Winnipeg, Canada
- 6/8/01 “Overview of Concussion”
Manitoba Public Insurance and the Workers Compensation Board of
Manitoba Continuing Medical Education Guest Speakers Series
Winnipeg, Canada
- 6/8/01 “Guidelines to the Evaluation of Mild Traumatic Brain Injury in Motor Vehicle Accidents and
Work Injuries”
Manitoba Public Insurance and the Workers Compensation Board of Manitoba Continuing
Medical Education Guest Speakers Series
Winnipeg, Canada

- 5/31/01 “On-the-Field Evaluation of Head and Neck Injuries”
American College of Sports Medicine Annual Meeting
 Baltimore Convention Center
 Baltimore, Maryland
- 5/31/01 “Return to Play Decisions Following Concussion: Controversies and Dilemmas”
American College of Sports Medicine Annual Meeting
 Baltimore Convention Center
 Baltimore, Maryland
- 5/30/01 “NASCAR Deaths: Were they preventable”
American College of Sports Medicine Annual Meeting
 Baltimore Convention Center
 Baltimore, Maryland
- 5/19/01 “Concussion: It’s Effect Upon the Brain”
Salem Sports Medicine Conference Head and Neck Injuries in Athletes
 Colonial Sheraton
 Lynnfield, Massachusetts
- 5/7/01 “On-the-Field Evaluation of Athletic Head and Spine Injury”
New York State Public High School Athletic Association
 Carrier Circle Holiday Inn
 Syracuse, New York
- 5/7/01 “Evaluation, Treatment and Return to Play Decisions Regarding Athletic Head and Spine
 Injury”
New York State Public High School Athletic Association
 Carrier Circle Holiday Inn
 Syracuse, New York
- 5/5/01 “Athletic Cervical Spine Injuries”
American Academy of Neurology 53rd Annual Meeting
 Pennsylvania Convention Center
 Philadelphia, PA
- 3/19/01 “NASCAR Deaths: Were they preventable”
Neurotrauma and Sports Medicine for the New Millennium
 Department of Neurosurgery, Allegheny General Hospital
 The Shadow Ridge Hotel and Conference Center
 Park City, Utah
- 3/19/01 “Adult vs. Pediatric Athletic Spine Injuries: Management Issues”
Neurotrauma and Sports Medicine for the New Millennium
 Department of Neurosurgery, Allegheny General Hospital
 The Shadow Ridge Hotel and Conference Center
 Park City, Utah
- 3/19/01 “Athletic Head and Spinal Cord Injuries”
Neurotrauma and Sports Medicine for the New Millennium
 Department of Neurosurgery, Allegheny General Hospital
 Park City, Utah

- 3/19/01 “On-the-Field Management of Athletic Head Injuries”
Neurotrauma and Sports Medicine for the New Millennium
 Department of Neurosurgery, Allegheny General Hospital
 The Shadow Ridge Hotel and Conference Center
 Park City, Utah
- 3/19/01 “Overview of Concussion”
Neurotrauma and Sports Medicine for the New Millennium
 Department of Neurosurgery, Allegheny General Hospital
 The Shadow Ridge Hotel and Conference Center
 Park City, Utah
- 12/2/00 “Second Impact Syndrome”
Sports Neurology Injuries of the Head and Spine
 Hospital for Special Surgery, Burke Rehabilitation Hospital and the Weill Medical College of
 Cornell University
 Uris Auditorium
 New York, New York
- 11/18/00 “Catastrophic Football Head Injuries”
Southwest Chapter American College Sports Medicine 2000 Annual Meeting
 Bahia Hotel
 San Diego, CA
- 11/3/00 “Practical Management of Head Injuries and Concussion in Sport
British Association of Sports and Exercise Medicine
 Hilton Puckrup Hall
 Tewkesbury, Gloucestershire England
- 9/16/00 “Diagnosis and Nonsurgical Treatment and Rehabilitation of Degenerative Cervical
 Conditions”
7th Annual Symposium New Hampshire Musculoskeletal Institute
 Saint Anselm College, Manchester, NH
- 06/04/99 “On-The-Field Evaluation of Head and Neck Injuries”
American College of Sports Medicine: Annual Meeting
 Washington State Convention and Trade Center
 Seattle, Washington
- 06/03/99 “Concussion Symposium”
American College of Sports Medicine: Annual Meeting
 Washington State Convention and Trade Center
 Seattle, Washington
- 05/28/99 “Concussion: Mechanisms and Classifications”
Sports Related Concussions and Nervous System Injury Conference
 Orlando Regional Healthcare System
 Hotel Royal Plaza
 Orlando, Florida

- 12/10/98 “Headaches”
Middlesex Community College Community Lecture
Bedford, Massachusetts
- 11/08/98 “Sports Related Concussion Controversies: Neuropsychological Aspects and Return to Play Issues:
Traumatic Brain Injury and Stroke Conference
Healthsouth Braintree Rehabilitation Hospital
Royal Sonesta Hotel
Boston, Massachusetts
- 06/06/98 “Examination of the Spine”
American College of Sports Medicine: Annual Meeting
Orange County Convention Center
Orlando, Florida
- 06/05/98 “Age, Ethical, Sociological, and Safety Issues in Boxing Especially as Regards Head Injury”
American College of Sports Medicine: Annual Meeting
Orange County Convention Center
Orlando, Florida
- 06/02/98 “Age in Boxing: Should there be an age limit”
XXVI FIMS World Congress of Sports Medicine
Orange County Convention Center
Orlando, Florida
- 05/15/98 “Return to Sports Criteria Following Concussion”
Innovative Symposiums/Sports Related Concussion
Smithtown Sheraton
Long Island, New York
- 05/15/98 “Concussion Classification and Implementation”
Innovative Symposiums/Sports Related Concussion
Smithtown Sheraton
Long Island, New York
- 05/08/98 “Fitness Over Forty and Fifty”
Lincoln-Sudbury Auxiliary Board Meeting
Pierce House, Lincoln
- 04/24/98 “The Concussion Controversy/Grading and Return to Play”
Sports Medicine Update ‘98 and NEACSM Spring Meeting
Sunrise/Mediplex, Concord, MA
Program Co-chair
- 04/07/98 “Living With Low Back Pain”
Emerson Hospital Community Lecture Series
Emerson Hospital
Concord, Massachusetts
- 03/17/98 “Head Injury in Sports”
Boston Medical Center
Department of Rehabilitation Medicine
Boston, Massachusetts

- 03/07/98 “Safety Issues In Boxing Regarding Head Injury”
Sports Related Concussion and Nervous System Injuries
 Orlando Regional Healthcare System
 Caribe Royale Resort
 Lake Buena Vista, Florida
- 02/06/98 “Neurologic and Vascular Causes of Upper Extremity Problems
 (Cervical Spine Stingers, Peripheral Nerve, Brachial Plexus, Thoracic Outlet)
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 02/06/98 “Cervical Spine Injury, Extra Axial Facet, Disk, Radicular Symptoms, and Transient
 Quadriplegia”
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 02/06/98 “Epilepsy and Sports Participation”
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 02/06/98 “Concussion: Definition, Classification, and Return to Play”
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 02/06/98 “Problems and Perils in On-field Management of Head and Neck Injury”
 Hands-on Exam Workshop
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 02/06/98 “Physical Examination of the Cervical Spine”
 Hands-on Exam Workshop
American College of Sports Medicine’s Team Physician Course
 San Diego Princess Resort
 San Diego, California
- 01/31/98 “Concussion/Closed Head Trauma/Convulsions”
 Panel Discussion
The Jockey Club/Concussion and Head in Sport
 The Gloucester Hotel
 Harrington Gardens
 London, England
- 01/30/98 “Concussion in Sport and the Second Impact Syndrome”
The Jockey Club/Concussion and Head in Sport
 The Gloucester Hotel
 Harrington Gardens
 London, England

- 10/18/97 “The On-Field Management of Athletic Head and Spine Injuries”
ACC Keynote Address
New Zealand Sports Medicine Partners In Performance Conference
Millennium Hotel
Christchurch, New Zealand
- 10/18/97 “Second Impact Syndrome:”
ACC Keynote Address
New Zealand Sports Medicine Partners in Performance Conference
Millennium Hotel
Christchurch, New Zealand
- 10/17/97 “When To Return to Collision Sports After Concussion”
ACC Keynote Address: Tom Anderson Trust Lecture
New Zealand Sports Medicine Partners in Performance Conference
Millennium Hotel
Christchurch, New Zealand
- 10/16/97 “The Return to Sport After Cervical Spine Injury”
Sports Physician Day
New Zealand Sports Medicine Partners in Performance Conference
Millennium Hotel
Christchurch, New Zealand
- 10/14/97 “Catastrophic Sports Injuries”
New Zealand Sports Medicine Conference
Hawkes Bay Chapter
Hawkes Bay, New Zealand
- 10/14/97 “Second Impact Syndrome”
Grand Rounds Presentation
Napier Hospital
Napier, New Zealand
- 10/13/97 “When to Return to Competition After Head and Spine Injury”
New Zealand Sports Medicine Conference
Whangarei, New Zealand
- 09/25/97 “Athletic Head Injury Guidelines”
New England American College of Sports Medicine: Fall Meeting
Rhode Island Convention Center
Providence, R.I.
- 05/22/97 “Head Injury In Football”
American College of Sports Medicine: Annual Meeting
Denver, Colorado
- 05/01/97 “Should There Be An Age Limit in Boxing”
WBC: First Medical Conference on Boxing Safety
Aruba
- 03/14/97 “Head Injury in Boxing”
Ringside Physician Course
Colorado Springs, Colorado

- 02/10/97 “Concussion Guidelines: Controversies and Implementation”
Allegheny General Hospital Sports Medicine Meeting
 Caribe Royale Resort
 Lake Buena Vista, Florida
- 01/12/97 “Neurological Injuries and the Athlete”
 Breakfast Seminar
AANS 65th Annual Meeting
 Colorado Convention Center
 Denver, Colorado
- 11/22/96 “Catastrophic Head Injury”
Oklahoma Spine Institute
 Oklahoma City, Oklahoma
- 11/08/96 “Head and Face Protection for the Athlete”
New England American College of Sports Medicine: Fall Meeting
 Boxboro, MA
- 10/26/96 “Ask the Experts”
 Fitness and Beauty Cruise
 Norwegian Cruise Line
- 10/23/96 “Weekend Warrior Woes”
 Fitness and Beauty Cruise
 Norwegian Cruise Line
- 10/22/96 “Exercise for Health versus Fitness”
 Fitness and Beauty Cruise
 Norwegian Cruise Line
- 10/02/96 “Head Injury and the Athlete”
Pediatric Day Conference
 Waterbury, CT
- 06/01/96 “Boxing and Medicine”
American College of Sports Medicine: Annual Meeting
 Cincinnati, OH
- 05/31/96 “On-the-Field Evaluation of Head and Neck Injuries”
 Clinical Workshop
American College of Sports Medicine: Annual Meeting
 Cincinnati, OH
- 05/31/96 “Positive and Negative Effects of Head Protection”
 NCAA Colloquium
American College of Sports Medicine: Annual Meeting
 Cincinnati, OH
- 05/29/96 “Management of Head and Neck Injuries”
American College of Sports Medicine: Annual Meeting
 Cincinnati, OH

- 5/18/96 “Head and Neck Injuries in Sports:
Assessment in On-The-Field Management”
Sports Medicine For The Rheumatologist
American College of Rheumatology
Phoenix, AZ
- 4/27/96 “Diffuse Brain Injuries”;
“Spinal Stenosis, Cord Neuropraxia, Transient Quadriplegia”;
“Athletic Injuries of the Head and Neck”
The William W. Backus Hospital Trauma Department Program
Foxwoods Resort Casino, CT
- 03/14/96 “Boxing Injuries”
Emory University School of Medicine
Summer Games: Sports Medicine Review
Atlanta, GA
- 02/09/96 “Concussion: Definition, Classification, and Return to Play”;
“Epilepsy and Sports Participation”;
“Cervical Spine Injury, Extra Axial Facet, Disk, Radicular
Symptoms, and Transient Quadriparesis”;
“Neurologic and Vascular Causes of Upper Extremity Problems
(Cervical Spine, Stringers, Peripheral Nerve, Brachial Plexus, Thoracic Outlet)”;
“Hands-on Workshop - Physical Examination of the Spine”
American College of Sports Medicine: Team Physician Course - Part I
San Diego, CA
- 01/27/96 “Strength Aerobics - The Next Stage in Personal Fitness”
McKenzie Speaker
Sports Injuries Update
Lake Placid Sports Medicine Society Conference
Lake Placid, NY
- 01/26/96 “Epidemiology and Pathophysiology of Athletic Head Injury”
“Acute Assessment of Athletic Head and Neck Injuries”
“Surgical Treatment of Athletic Head and Spine Injuries:
Who can Safely Return to Competition”
Sports Injuries Update
Lake Placid Sports Medicine Society Conference
Lake Placid, NY
- 01/25/96 “Athletic Neck and Cervical Spine Trauma”
Albany Medical College
Albany, NY
- 01/07/96 “Second Impact Syndrome”
Eastern Athletic Trainers Association Annual Meeting
Boston, MA
- 12/14/95 “Catastrophic Head and Neck Injury in Sports”
“Evaluation of Current Guidelines for Head Injury in Sports”
“General Spinal Stenosis in Contact Sports”
Rehabilitation Sports Medicine VIII: Controversies in Sports Medicine.

The Rehabilitation Institute of Chicago
Chicago, IL

- 11/09/95 “Strength Aerobics”
Walden Rehabilitation & Nursing Center
Concord, MA
- 10/23/95 “Weekend Warrior Woes: How to Avoid Exercise Injuries”
Fitness and Beauty Cruise
Norwegian Cruise Line
- 10/22/95 “Exercise for Health vs Fitness (How Much is Enough?)”
Fitness and Beauty Cruise
Norwegian Cruise Line
- 10/13/95 “Closed Head Injury”
“Transient Quadriplegia in Sports”
Together in College Health: Surviving and Thriving
Combined Annual Meeting: New York State Health Association and New England College
Health Association
Tarrytown, NY
- 10/11/95 “Catastrophic Sports Injuries: Functional Spinal Stenosis”
“Sudden Death Syndrome”
Emerson Hospital Neurology Conference
Concord, MA
- 08/24/95 “Torso and Genitourinary Tract Injuries”
Medicine in the Last Frontier/Medical World Conference
Alaska
- 08/24/95 “A Team Physician’s Sports Medicine Bag”
Medicine in the Last Frontier/Medical World Conference
Alaska
- 08/21/95 “Sports Injuries in Young Athletes”
Medicine in the Last Frontier/Medical World Conference
Alaska
- 08/21/95 “How to Write a Precise Aerobic Exercise Prescription”
Medicine in the Last Frontier/Medical World Conference
Alaska
- 08/20/95 “Conditioning of Cardiovascular System: A Machiavellian Approach to Health”
Medicine in the Last Frontier/Medical World Conference
Alaska
- 06/14/95 “Guidelines for Return to Competition After Mild Brain Injury in Sports”
National Athletic Trainers’ Association
Indianapolis, IN
- 06/02/95 “On-The-Field Evaluation of Head and Neck Injuries”
Clinical Workshop

American College of Sports Medicine: Annual Meeting
Minneapolis, MN

- 05/23/95 “Trauma to the Head and Spine”
Connecticut Athletic Trainers’ Association
New Britain, CT
- 05/13/95 “Cervical Radiculopathy - Painless vs. Painful: A Conceptual Model and
Management Approach”
1st Annual Combined Meeting - Puget Sound & Portland Spine Interest Groups
Seattle, WA
- 05/07/95 “Current Treatment Recommendations for Concussions and
the Burner Syndromes”
Prevention and Management of High School Football Injuries
Salem Orthopedic Surgeons, Inc.
Waltham, MA
- 04/28/95 “Management of Sports-Related Spine Injuries”
Keynote Address
Contemporary Management of Lumbar Spine Disorders
The NeuroScience Institute at Mercy
Oklahoma City, OK
- 04/23/95 “Assessment of Acute and Repetitive Head Injuries”;
“Management of Cervical Injuries”
Clinical Congress: Decision Making and Sports Injuries
Braintree Hospital Rehabilitation Network
Randolph, MA
- 04/21/95 “Return to Play Criteria After Cervical Spine Injury”
“Cervical Spine Injuries Workshop: Case Studies and Discussion”
Controversies in Decision Making: Neurological Sports Injuries
University of Miami School of Medicine
Lake Buena Vista, FL
- 04/01/95 “Exercise for Health vs Fitness”
Mens Health Day
Emerson Hospital
Concord, MA
- 03/03/95 “Catastrophic Injury of the Brain and Spinal Cord”
Ninth Annual Neurologically Impaired Individual Symposium
St. Mary’s Hospital
Richmond, VA
- 02/21/95 “Head Injuries”
Department of Physical Medicine & Rehabilitation
Resident Didactic Seminars
Tufts University School of Medicine
Newton Wellesley Hospital
Natick, MA

- 02/15/95 “Chest and Abdominal Injuries”
Sports Medicine: An In-Depth Review
 American Academy of Family Physicians
 Dallas, TX
- 02/14/95 “Closed Head Injuries”
 “Entrapment Neuropathies”
 “Spine: History and Exam Skills Workshop”
Sports Medicine: An In-Depth Review
 American Academy of Family Physicians
 Dallas, TX
- 01/25/95 “Athletic Head and Spine Injuries: Recognition of
 On-The-Field Care and Return to Play Guidelines”
Sports Medicine Symposium 1995
 North Broward Medical Center
 Pompano Beach, FL
- 12/07/94 “The Prevention of Sports Related Neurological Injuries in American Football: Rules,
 Equipment, and Surfaces”;
 “Guidelines for Return to American Football
 After an Episode of Transient Quadriplegia”
American Society for Testing and Materials Symposium on Safety in American Football
 Phoenix, AZ
- 11/19/94 “Prevention, Treatment, and Return to Play Criteria for Head & Neck Injuries in Sports”
 “ACSM and the Sports Medicine Professional”
Greater New York Regional Chapter American College-of-Sports Medicine
 New York, NY
- 11/04/94 “When to Return to Contact Collision Sports After an Episode of Transient Quadriplegia”
New England Chapter American College of Sports Medicine
 Boxborough, MA
- 09/14/94 “Spinal Stenosis”
Emergency Department Medical Staff Conference
 Emerson Hospital
 Concord, MA
- 06/11/94 “Assessment and Treatment of Traumatic Cervical Spine/Cord Injury”
 “Guidelines for Return to Contact Collision Sports After Traumatic Cervical
 Spine/Cord Injury”
National Athletic Trainers Association Annual Meeting and Clinical Symposium
 Dallas, TX
- 06/04/94 “On-the-Field Evaluation and Management of Head and Spinal Cord Injury”
American College of Sports Medicine: Annual Meeting
 Indianapolis, IN
- 06/03/94 “Concussion: Management and Return to Competition”
American College of Sports Medicine: Annual Meeting
 Indianapolis, IN

- 06/02/94 “Traumatic Fatal and Non-Fatal Catastrophic Sports Injuries”
American College of Sports Medicine: Annual Meeting
 Indianapolis, IN
- 06/02/94 “Cervical Spinal Stenosis and Contact Sports”
American College of Sports Medicine: Annual Meeting
 Indianapolis, IN
- 05/20/94 “Return to Sport After Head Injury”
 “Head and Neck Injuries”
 “The Preparticipation Examination”
Caribbean Sports Medicine Congress
 Bridgetown, Barbados, WI
- 04/17/94 “Cerebral Concussion in Sport: Prevention and Management”
Mild Brain Injury Summit National Athletic Trainers Association
 Washington, D.C.
- 03/23/94 “Neck Injuries: The Great Debate: Personal Experience and Perspectives of Our Experts”
 Panelist: Neck Injuries Workshop Case Studies and Discussion
Controversies in Decision Making: Neurological Sports Injuries
 University of Miami School of Medicine and the Miami Project to Cure Paralysis
 Lake Buena Vista, FL
- 03/22/94 “Catastrophic Sports Injuries: Which Sports Are at Greatest Risk and Why”
 “When to Return to Contact/ Collision Sports After Head and Spine Injury”
16th Annual Family Practice Review
 Bayfront Medical Center
 St. Petersburg Beach, FL
- 03/21/94 “When is it Safe to Return to Contact Sports?”
 Panelist: Head Injury Workshop - Case Studies and Discussion
Controversies in Decision Making: Neurological Sports Injuries
 University of Miami School of Medicine and the Miami Project to Cure Paralysis
 Lake Buena Vista, FL
- 03/20/94 “Prevention of Sports-Related Neurological Injuries: Rules, Equipment, and Surfaces,”
 Moderator: Peripheral Nerve Injuries Workshop - Case Studies and Discussion
Controversies in Decision Making: Neurological Sports Injuries
 University of Miami School of Medicine and the Miami Project to Cure Paralysis
 Lake Buena Vista, FL
- 03/12/94 “Acute and Second Impact Syndrome Head Injury”
First Annual Ringside Physicians Course
 United States Amateur Boxing, Inc.
 Colorado Springs, CO
- 03/08/94 “Health Benefits of Physical Fitness,”
Second Annual New Dimensions in Research Conference
 Mabon Securities Corporation
 Beaver Creek, CO
- 03/05/94 “Managing Head and Neck Injuries”
Sports Med Boston: “New Options for Treating the Injured Athlete”

- Back Pain Society
Danvers, MA
- 01/21/94 “Neck Injuries”
Sport Med 94
Toronto, Canada
- 01/21/94 “Head Injuries in Sport”
The Tom Pashby Sport Safety Fund Lecture
Sport Med 94
Toronto, Canada
- 11/19/93 “When is it Safe to Return to Contact Sports After a Head Injury”
American Medical Tennis Association Omni Specialty Sports Medicine Update
Palm Springs, CA
- 11/18/93 “When is it Safe to Return to Contact Sports After a Cervical Spine Injury?”
American Medical Tennis Association Omni Specialty Sports Medicine Update
Palm Springs, CA
- 11/09/93 “The Female Triad: Disordered Eating, Amenorrhea, and Osteoporosis”
Community Health Education Program
Emerson Hospital
Concord, MA
- 09/06/93 “Head and Neck Injury”
XVth World Congress of Neurology
Vancouver, B.C., Canada

- 08/14/93 “Epidemiology, Recognition and Acute Management of Closed Head Injury/ Concussion”
 “Return to Competition After Head Injury”
 “Fractures and Dislocations of Cervical Spine”
 “Epidemiology, Evaluation and Treatment of Traumatic Spinal Cord Injury: Return to Competition”
 “Case Presentations: Transient Quadriplegia”
ACSM CAQ Board Review Course for the Certification Examination in Sports Medicine
 San Francisco, CA
- 08/13/93 “Functional Anatomy & Biomechanics: Examination of the Patient with Low Back Pain”
 “Lumbar Spinal Stenosis: Dx and Management”
 “Indications for Surgery and Return to Competition After Lumbar Spine Injury”
 “Legal Aspects of Sports Medicine and Role of the Team Physician”
 “On-field Management and Evaluation of Acute Spinal Cord Trauma”
ACSM CAQ Board Review Course for the Certification Examination in Sports Medicine
 San Francisco, CA
- 06/11/93 “Case Studies: Epidemiology, Assessment, and Return to Play Criteria for Head Injuries in Sports”
National Athletic Trainers Association Annual Meeting and Clinical Symposium
 Kansas City, MO
- 06/05/93 “Spinal Stenosis: Transient Quadriplegia and Football”
40th Annual Meeting American College of Sports Medicine
 Seattle, WA
- 06/03/93 “Physician Continuing Medical Education and Opportunities”
Symposium: 40th Annual Meeting American College of Sports Medicine
 Seattle, WA
- 05/20/93 “Where is Boxing in This Process?”
International Symposium on Head and Neck Injuries in Sports American Society for Testing and Materials
 Atlanta, GA
- 05/14/93 “Sports Medicine in Primary Care”
 “Athletic Catastrophic Sports Injury Study (1931-1987): Which Sports Are at Greatest Risk and What is Being Done to Reduce Injury”
 “Medical Coverage of Games and Events”
 “Legal Liabilities of the Team Physician”
 “How to Live Painlessly With Your Low Back Disorder”
Fourth Annual Sports Medicine Conference on the Beach Halifax Medical Center Family Practice Residency Program
 Daytona Beach, FL
- 05/07/93 “Women’s Triad”
 Conference Chairman
Eighth Annual Sports Medicine Update 93
 Westford, MA

- 05/06/93 “Returning to Contact Sports After a Head Injury:
Relative and Definite Contraindications”
Department of Pediatrics, Emerson Hospital
Concord, MA
- 04/15/93 “The Prevention and Treatment of Athletic Spine Injuries”
Grand Rounds
Nashua Memorial Hospital, NH
- 03/06/93 “Specific Problems and Pearls in Boxing”
“Indications for Surgery and Return to Competition After Lumbar Spine Injury”
Team Physician Course Parts II and III: American College of Sports Medicine
Orlando, FL
- 03/05/93 “Transient Quadriplegia (Symptoms, Pathomechanics, Work-up, Return to Play,
Controversies, Case Presentations and Discussion)
(With Stanley A. Herring, M.D.)
Team Physician Course Part III: American College of Sports Medicine
Orlando, FL
- 03/04/93 “Brachial Plexus Injuries”
“Epidemiology, Recognition, and Acute Management of Head Injuries”
“Return to Play Criteria After Head Injury”
“Epilepsy and the Athlete”
Team Physician Course Part II and III: American College of Sports Medicine
Orlando, FL
- 03/02/93 “Toward a Lifetime of Family Fitness”
Health and Fitness in the 90’s
The Thoreau Club of Concord
Concord, MA
- 02/23/93 “Legal Liabilities of the Team Physician”
Omni Specialty Sports Medicine Update American Medical Tennis Association
Scottsdale, AZ
- 02/22/93 “Epilepsy and the Athlete”
Omni Specialty Sports Medicine Update American Medical Tennis Association
Scottsdale, AZ
- 01/29/93 “Catastrophic Sports Injuries: Which Sports are at Greatest Risk and Why?”
Southeast Regional Chapter: American College of Sports Medicine
Norfolk, VA
- 01/29/93 “Medical Risks of Boxing/Is Boxing a Sport?”
Southeast Regional Chapter: American College of Sports Medicine
Norfolk, VA
- 01/25/93 “Head and Spine Injuries in Athletes”
Chelmsford High School
Chelmsford, MA

- 01/23/93 “Head and Neck Injuries in Athletes”
Comprehensive Review Course in Sports Medicine
 The College of Physicians and Surgeons
 Department of Orthopaedic Surgery
 Columbia University, New York
 Barbados, West Indies
- 01/12/93 “Women’s Health Issues: Ask the Doctor”
Health and Fitness in the 90’s
 The Thoreau Club of Concord
 Concord, MA
- 12/23/92 “Overview of Head Injuries in the Athlete,”
St. Vincent Hospital Grand Rounds
 Worcester, MA
- 11/18/92 “Head and Neck Injury Reduction in Football: A Sixty-Year Effort”
American Medical Tennis Association
 Palm Springs, CA
- 11/13/92 “Low Back Pain: Etiology, Diagnosis, and Treatment”
 “Spinal Cord Injuries”
American Academy of Family Physicians 6th Annual Family Practice Weekend & Sports
 Medicine Conference
 Huntington, WV
- 11/10/92 “Exercise: What’s the Right Dosage for You?”
Health and Fitness in the 90’s
 The Thoreau Club of Concord
 Concord, MA
- 10/14/92 “Cervical Spine Injuries”
Australian College of Sports Physicians: National Annual Scientific Conference in
 Sports Medicine
 Perth, Western Australia
- 10/13/92 “The Team Physician”
Australian College of Sports Physicians: National Annual Scientific Conference in
 Sports Medicine
 Perth, Western Australia
- 10/12/92 “Catastrophic Sports Injuries”
 Keynote Address
Australian College of Sports Physicians: National Annual Scientific Conference in
 Sports Medicine
 Perth, Western Australia
- 10/06/92 “Signs and Symptoms of Anabolic Steroid Abuse”
 Commonwealth of Massachusetts
 Project Alliance Training Program
 Burlington, MA

- 08/22/92 “Back Injuries in Tennis Players”
Society of Tennis Medicine and Science
 Yale University
 New Haven, CT
- 07/23/92 “Fitness for Good Health”
 Concord Prison Outreach
 Concord, MA
- 06/05/92 “Serious Head and Neck Injury Reduction in Football - A 60-Year Effort”
New England Neurosurgical Society,
 Waltham, MA
- 05/29/92 “Head Injury in Sports”
39th Annual Meeting American College of Sports Medicine
 Dallas, TX
- 05/28/92 “Team Physician Certification,”
39th Annual Meeting American College of Sports Medicine
 Dallas, TX
- 05/27/92 “Head, Neck, and Spine: Head and Neck Injury”
 Chair: Physician Case Presentations
39th Annual Meeting American College of Sports Medicine
 Dallas, TX
- 05/13/92 “Steroid Abuse in the Athlete”
Spring Symposium on Sports Medicine
 Milford Whitinsville Regional Hospital
 Milford, MA
- 05/01/92 “The Anabolic Steroid Epidemic”
7th Annual Sports Medicine Update 92
 Westford, MA
- 04/14/92 “Disc Herniation in the Athlete: When to Operate?”;
 “On-field Emergencies to the Spine and Neck”
The National Sportsmedicine Conference ‘92
 Orlando, FL
- 03/11/92 “Steroids - The Threat and Dangers,”
 Assabet Valley Regional Vocational School
 Marlborough, MA
- 02/26/92 “Lumbar Spinal Stenosis: Evaluation and Treatment”
Leominster Hospital Grand Rounds
 Leominster, MA
- 02/24/92 “Head Trauma in Adolescents”
Medical Student Education
 Emerson Hospital
 Concord, MA

- 02/02/92 “Sports Medicine-Sports Science: Bridging the Gap”;
 “Head, Neck, and Extrapapinal Nerve Injury in Contact Sports”;
 “Acute and Chronic Brain Injuries in Boxing and Other Collision Sports”;
 “Return to Collision Sports After Athletic Cervical and Lumbar Spine Injury”
Third National Kaiser Permanente Sports Medical Conference
 Snowbird, UT
- 01/13/92 “Steroids - The Threat and Dangers”
Marlborough High School Athletic Department
 Marlborough, MA
- 12/14/91 “Epidemiology, Assessment, and Criteria for Return to Play in Cervical Spine Injuries”;
 “Epidemiology, Assessment, and Return to Play Criteria for Head Injuries in Sports”
Rehabilitation Sports Medicine IV: Injuries to the Head and Neck in Sports
 Rehabilitation Institute of Chicago
 Chicago, IL
- 12/04/91 “Steroids - The Threat and Dangers”
Sports Injury Symposium: The Massachusetts Interscholastic Athletic Association
 Waltham, MA
- 11/22/91 “Anabolic Steroid Abuse in Athletics”
American Medical Tennis Association
 Palm Springs, CA
- 11/21/91 “Catastrophic Sports Injuries in High School and College Sports”
American Medical Tennis Association
 Palm Springs, CA
- 10/22/91 “Catastrophic Sports Injuries: Which Sports Are at Greatest Risk and What is Being Done to
 Reduce Injury”
 Harvard Community Health Plan
 Wellesley, MA
- 10/19/91 “Etiology, Biomechanics, Diagnosis, and Treatment of Athletic Low Back Pain”
 University of Texas Health Center
 Tyler, TX
- 10/18/91 “Etiology, Biomechanics, Diagnosis, and Treatment of Athletic Low Back Pain”
 Tom Landry Sports Medicine Center
 Dallas, TX
- 10/18/91 “Catastrophic Sports Injuries: Which Sports Are at Greatest Risk and What is Being Done to
 Reduce Injury”
 Texas College of Osteopathic Medicine
 Fort Worth, TX
- 10/17/91 “Catastrophic Sports Injuries: Which Sports Are at Greatest Risk and What is Being Done to
 Reduce Injury”
 Texas A&M University
 College Station, TX

- 10/17/91 “Etiology, Biomechanics, Diagnosis, and Treatment of Athletic Low Back Pain”
Texas Woman’s University
Houston Center, TX
- 10/10/91 “Head and Spine Injuries in Athletes”
Maine Medical Center
Portland, ME
- 09/27/91 “Catastrophic Sports Injuries: Sports at Risk?”
Medical Staff Clinical Meeting
Emerson Hospital
Concord, MA
- 09/08/91 “Catastrophic Spinal Injuries in Scholastic Sports”
American Academy of Neurological and Orthopaedic Surgeons Fifteenth Annual Scientific Convention
Las Vegas, NV
- 09/07/91 “The Boxing Controversy: A Neurosurgeon’s Perspective”
American Academy of Neurological and Orthopaedic Surgeons Fifteenth Annual Scientific Convention
Las Vegas, NV
- 09/07/91 “When To Return to Collision Sports After Athletic Head and/or Cervical Spine Injury”
American Academy of Neurological and Orthopaedic Surgeons Fifteenth Annual Scientific Convention
Las Vegas, NV
- 09/06/91 “Catastrophic Spine Injuries in Scholastic Sports: Which Are at Greatest Risk and What is Being Done to Reduce Injury”
1991 Presidential Guest Lecturer
American Academy of Neurological and Orthopaedic Surgeons Fifteenth Annual Scientific Convention
Las Vegas, NV
- 07/27/91 “Low Back Pain: Etiology, Diagnosis, and Treatment”
The Burdenko Water and Sports Therapy Institute
Boston, MA
- 07/27/91 “Catastrophic Spine Injuries in All School Sports”
American Academy of Sports Physicians
Boston, MA
- 06/12/91 “Health Effects of Regular Exercise”
Concord Prison Outreach
Concord, MA
- 06/07/91 “Acute and Chronic Brain Injury in Contact Sports”;
“Evaluation of the Athlete for Return to Sports After Concussion”
Snake River Medical Forum
Lewiston, ID

- 06/01/91 “Boxing - A Historical Perspective”;
 “Professional Boxing - One Neurosurgeon’s Viewpoint”
American College of Sports Medicine Annual Meeting
 Orlando, FL
- 05/31/91 “Criteria For Return to Play Following Cervical Injuries”
American College of Sports Medicine Annual Meeting
 Orlando, FL
- 05/17/91 “Carotid Artery Stenosis”
Medical Staff Clinical Scientific Meeting
 Emerson Hospital
 Concord, MA
- 05/07/91 “Sports Injuries”
Milford Regional Hospital Grand Rounds
 Milford, MA
- 05/03/91 “When to Return to Competition after Head and Cervical Spine Injury”;
 “Anatomy, Biomechanics, Diagnosis, and Management of Athletic Low Back Pain”
Sixth Annual Sports Medicine Update 91
 Westford, MA
- 05/02/91 “Life-threatening Injuries to the Head and Neck”
Minnesota Academy of Family Physicians
 Minneapolis, MN
- 04/24/91 “Catastrophic Spine Injuries in All School Sports (1982-1989)”
American Association of Neurological Surgeons
 New Orleans, LA
- 04/12/91 “Low Back Pain: Etiology, Diagnosis, and Treatment”
National Sports Medicine Conference On The Beach
 Halifax Medical Center
 Family Practice Residency Program
 Daytona Beach, FL
- 03/26/91 “Recognition and Management of Head Injuries”;
 “Peripheral Nerve Entrapment”
American College of Sports Medicine Team Physician Course
 Orlando, FL
- 03/24/91 “Cord and Peripheral Nerve”;
 “Spinal Stenosis: How to Evaluate”;
 “On-the-Field Management of Acute Spinal Cord Injury”
American College of Sports Medicine Team Physician Course
 Orlando, FL
- 03/14/91 “Catastrophic Sports Injuries in High School and College Sports”
Massachusetts Association for Health, Physical Education, Recreation and Dance,
1991 Annual Convention
 Randolph, MA

- 02/11/91 “Anatomy and Biomechanics of Athletic Cervical Spine & Head Injury”;
 “Intraspinal and Extraspinal. Cervical Spine Injuries - Diagnosis and Management”
Second National Kaiser Permanent Sports Medicine Conference
 Snowbird, UT
- 02/10/91 “Anatomy, Biomechanics, Diagnosis and Management of Low Back Pain”
Second National Kaiser Permanent Sports Medicine Conference
 Snowbird, UT
- 02/01/91 “Spinal Stenosis: Identification and Therapy,”
Medical Staff Scientific Meeting
 Emerson Hospital
 Concord, MA
- 01/10/91 “Lumbar Spinal Stenosis: Evaluation and Treatment/ Surgical Indications”
Buffalo General Hospital Grand Rounds
 Buffalo, NY
- 01/10/91 “Diabetes and Exercise”
Mercy Hospital Grand Rounds
 Buffalo, NY
- 01/09/91 “How to Live Painlessly With Your Low Back Disorder”
 South Town Physicians
 Blasdell, NY
- 12/04/90 “Feeling Fit for Life”
Community Health Lecture Series
 Emerson Hospital
 Concord, MA
- 11/30/90 “Catastrophic Sports Injuries in High School and College Athletes”
American Medical Tennis Association
 Palm Springs, CA
- 11/29/90 “Sports Medicine in Primary Care”
American Medical Tennis Association
 Palm Springs, CA
- 11/26/90 “Neurologic Injuries: Assessment/Care at Scene of Injury”
 Littleton Fire Department - EMT
 Littleton, MA
- 11/17/90 “Epidemiology of Head Injuries in Sports and Return to Play Decision Making”
 Swedish Hospital Medical Center
Spine Institute Fall Symposium
 Seattle, WA
- 11/16/90 “Epidemiology of Spinal Cord Injuries and Assessment of Intraspinal Injuries in Sports”
 Swedish Hospital Medical Center
Spine Institute Fall Symposium
 Seattle, WA

- 11/07/90 “Steroid Abuse in the Athlete”;
 “Cranial and Cervical Injuries in Sports”
 Hahnemann. University School of Medicine
 Philadelphia, PA
- 11/03/90 “Sports Injuries to the Lower Extremities”
Nurse Practitioner Associates for Continuing Education National Primary Care Conference
 Boston, MA
- 10/22/90 “Neurosurgical Athletic Injuries”
Congress of Neurological Surgeons
 Los Angeles, CA
- 10/16/90 “Osteoarthritis Due to Sports-related Injuries”
Framingham Union Hospital Grand Rounds
 Framingham, MA
- 10/12/90 “Sports Injuries and Low Back Pain”
Bethany Medical Conference
 Bethany Medical Center
 Kansas City, KS
- 10/12/90 “Sports Injuries”
 Trinity Lutheran Hospital
 Kansas City, MO
- 10/11/90 “Prevention and Treatment of Catastrophic Sports Injuries”
 Kansas University Medical Center;
 Kansas City, MO
- 10/11/90 “Arthritic Low Back Pain”
 Topeka Veterans Administration Hospital
 Topeka,KS
- 10/11/90 “Low Back Pain - Management and Exercise of Diabetic Patients”
 Providence - St. Margaret’s Hospital
 Kansas City, KS
- 10/11/90 “How to Live Painlessly with Arthritic Low Back Pain”
 Shawnee Mission Medical Center
 Overland Park, KS
- 07/25/90 “Sports Medicine and Primary Care”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 07/24/90 “Anabolic Steroid Abuse in Athletics”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH

- 07/23/90 “Catastrophic Sports Injuries in High School and College Sports”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 07/14/90 “Management of Osteoarthritic Sports Injuries”
 Health-in-Action Day
 Stratton Mountain, VT
- 07/11/90 “Health Benefits of Exercise”
 New England Correctional Center
 Concord, MA
- 05/24/90 “Intracranial Athletic Cervical Spine Injury”
 Symposium Co-chairman: Athletic Cervical Spine Injury
American College of Sports Medicine Annual Meeting
 Salt Lake City, UT
- 05/24/90 “On-the-Field Evaluation of Head and Spine Injuries”
 Clinical Workshop
American College of Sports Medicine Annual Meeting
 Salt Lake City, UT
- 05/23/90 “Neck Pain - Soccer”
American College of Sports Medicine Annual Meeting
 Salt Lake City, UT
- 05/23/90 “On-the-Field Evaluation of Head and Spine Injuries”
 Clinical Workshop
American College of Sports Medicine Annual Meeting
 Salt Lake City, UT
- 05/22/90 “Head Injuries in Sports: Biomechanics, Prevention, and Treatment”
 Clinical Lecture
American College of Sports Medicine Annual Meeting
 Salt Lake City, UT
- 05/07/90 Medical Resource for Breakout Medical Session
National Catastrophic Head/Spinal Cord Sports Injury Consensus Meeting
 National Federation of State High School Associations
 Kansas City, MO
- 05/04/90 “Catastrophic Sports Injuries”
 Conference Chairman
Sports Medicine Update 90
 Westford, MA
- 04/30/90 “The Athlete and the Neurosurgeon”
 Breakfast Seminar Panel Chairman
American Association of Neurological Surgeons
 Nashville, TN
- 04/23/90 “Diagnosis, Prevention, and Treatment of Athletic Spine Injuries”
 Kaiser Permanente HMO
 Holyoke, MA

- 04/18/90 “Burners/ Stingers /Cervical Spine Injuries”;
“Concussions”
First Annual Sports Medicine Conference on the Beach
Halifax Medical Center
Family Practice Residency Program
Daytona Beach, FL
- 04/06/90 “Sports Medicine: Bridging the Gap”
Penobscot Bay Medical Center
Rockland, ME
- 04/05/90 “Low Back Pain: Etiology, Diagnosis, and Treatment”
Eastern Maine Medical Center
Bangor, ME
- 03/30/90 “Cervical and Low Back Pain: Diagnosis and Treatment”
St. Vincent Hospital Family Practice Residency Program
Erie, PA
- 03/30/90 “Catastrophic Sports Injuries”
Hamot Family Practice
Erie, PA
- 03/30/90 “Low Back Pain: Etiology, Diagnosis, and Treatment”
Millcreek Community Hospital
Erie, PA
- 03/29/90 “Low Back Pain: Etiology, Diagnosis, and Treatment”
Aviation Country Club
Erie, PA
- 03/23/90 “Low Back Pain: Etiology, Diagnosis, and Treatment”
Hanscom Clinic - Hanscom Field Air Force Base
Bedford,MA
- 02/09/90 “Catastrophic Football Spine Injuries; 1977-1988”
Joint Section on Disorders of the Spine and Peripheral Nerves
American Association of Neurological Surgeons
Captiva Island, FL
- 02/03/90 “The Neurosurgeon and the Amateur Athlete”
Downeast Association of Physician Assistants Winter Conference
Bethel, ME
- 01/12/90 “Exercise for Health vs Fitness: How much is enough?”
Community Health Lecture Series
Emerson Hospital
Concord, MA
- 10/24/89 “Adolescents and Anabolic Steroids”
Pediatric Grand Rounds
Baystate Medical Center
Springfield, MA

- 10/17/89 “Prevention and Treatment of Spinal Injuries in Athletes”
St. Francis Health Care Foundation Endowed Lecture Series
 St. Francis Hospital
 Poughkeepsie, NY
- 10/04/89 “Steroids - The Threat and Dangers”
Massachusetts Interscholastic Athletic Association, Inc Annual Sports Injury Conference
 Milford, MA
- 09/23/89 “Indications/ Contra-Indications For Surgery in the Arthritic Patient”
 Health-in-Action Day
 Nova Scotia, Canada
- 09/16/89 “Rehabilitation at Fitness Centers”
 Sponsored by Nautilus Sports Medical Industries, Inc.
 Vista International Hotel
 Elizabeth, NJ
- 07/25/89 “Anabolic Steroid Abuse in Athletics”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 07/24/89 “Catastrophic Sports Injuries in High School and College Sports”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 06/13/89 “Case Presentations”
Monroe County Highland Hospital Grand Rounds
 Rochester, NY
- 06/13/89 “Cervical and Low Back Spine”
Monroe County Highland Hospital Grand Rounds
 Rochester, NY
- 06/12/89 “Cervical and Low Back Spine”
Sponsored by Monroe County Highland Hospital Physicians Assistants
 Pittsford, NY
- 06/10/89 “Low Back Pain: Etiology, Diagnosis, and Treatment”
 Sheehan Memorial Hospital
 Buffalo, NY
- 06/10/89 “Low Back Pain: Etiology, Diagnosis, and Treatment”
Our Lady of Victory Hospital Grand Rounds
 Lackawanna, NY
- 06/05/89 “Sports Medicine in Primary Care”
 Williamsville, NY
- 06/05/89 “Sports Medicine in Primary Care”
 Niagara Falls Memorial Hospital
 Niagara Falls, NY

- 05/05/89 “Steroid Abuse in Athletics”
Sports Medicine Update 89
 Westford, MA
- 04/28/89 “Cervical and Lumbar Osteoarthritis,”
St. Anne’s Hospital Grand Rounds
 Fall River, MA
- 04/24/89 “Medical Management of Low Back Pain”
 Hunt Memorial Hospital
 Danvers, MA
- 04/12/89 “Nutrition and Exercise For the Senior Citizen”
 Trinitarian Church
 Concord, MA
- 04/10/89 “Prevention and Treatment of Athletic Spine Injuries”
 Sponsored by Cooley Dickinson Hospital
 Northampton, MA
- 03/17/89 “Chronic Low Back Pain”
St. John’s Hospital Grand Rounds
 Lowell, MA
- 03/16/89 “Low Back Pain: Etiology, Diagnosis, and Treatment”
 Mercy Hospital
 Buffalo, NY
- 03/16/89 “Prevention and Treatment of Athletic Spine Injuries”
Millard Fillmore Hospital Grand Rounds
 Buffalo, NY
- 03/15/89 “Low Back Pain: Etiology, Diagnosis, and Treatment”
 Blasdell, NY
- 03/02/89 “Common Sports Injuries”
 Youville Hospital
 Cambridge, MA
- 02/24/89 “Catastrophic Sports Injuries”
6th Annual Office-Based Sports Medicine Conference
 Sun Valley, ID
 Sponsored by University of California School of Medicine at San Francisco
- 02/24/89 “When to Return to Contact Sports After a Concussion”
6th Annual Office-Based Sports, Medicine Conference
 Sun Valley, ID
 Sponsored by University of California School of Medicine at San Francisco
- 02/24/89 “Athletic Low Back Pain”
6th Annual Office-Based Sports Medicine Conference
 Sun Valley, ID
 Sponsored by University of California School of Medicine at San Francisco

- 02/22/89 “Acute and Chronic Brain Injuries in Boxing and Other Collision Sports”
6th Annual Office-Based Sports Medicine Conference
 Sun Valley, ID
 Sponsored by University of California School of Medicine at San Francisco
- 02/22/89 “On-the-Field-Management of Athletic Head and Spine Injuries”
6th Annual Office-Based Sports Medicine Conference
 Sun Valley, ID
 Sponsored by University of California School of Medicine at San Francisco
- 02/08/89 “Osteoarthritis of the Lumbar Spine”
New Britain Hospital Grand Rounds
 New Britain, CT
- 02/08/89 “Sports Medicine In Primary Care”
Stamford Hospital Grand Rounds
 Stamford, CT
- 02/07/89 “Feeling Fit After Forty”
Community Health Lecture Series
 Emerson Hospital
 Concord, MA
- 02/03/89 “Osteoarthritis of the Lumbar Spine”
 Harvard Community Health Plan
 Braintree, MA
- 01/20/89 “Catastrophic Injuries in High School and College Athletes”
The Second International Symposium on the Prevention of
 Catastrophic Sports and Recreational Injuries to the Spine and Head
 Toronto ,Canada
- 01/19/89 “Head Injuries: The Experience in the United States”
The Second International Symposium on the Prevention of
 Catastrophic Sports and Recreational Injuries to the Spine and Head
 Toronto, Canada
- 01/18/89 “Steroid Abuse in Athletics”
Sports Medicine Symposium Connecticut State Medical Society
 Choate School
 Wallingford, CT
- 01/17/89 “Catastrophic Sports Injuries”
Connecticut State Medical Society
 Cheshire, CT
- 01/11/89 “Diagnosis and Treatment of Degenerative Cervical and Lumbar Spine Disease”
Henry Heywood Hospital Grand Rounds
 Gardner, MA
- 01/11/89 “Athletic Low Back Pain”
 Sports Medicine Systems
 Newton, MA

- 12/20/88 “Low Back Pain”
Milford-Whitinsville Regional Hospital Grand Rounds
Milford, MA
- 12/10/88 “Head and Neck Injuries in Sports”;
“On-the-Field Management of Head and Neck Injuries”
American Physical Therapy Association
Hilton Head Island, SC
- 11/21/88 “Women and Sports - Special Concerns”
The Daisy Flour Mill
Rochester, NY
- 11/21/88 “Sports Medicine In Primary Care”
Genesee Memorial Hospital Grand Rounds
Batavia, NY
- 11/11/88 “Which Sports Are At Greatest Risk and What Is Being Done”;
“Sports Medicine-Sports Science: Bridging the Gap”
Kent County Hospital Grand Rounds
Warwick, RI
- 10/28/88 “Osteoarthritis Due To Spinal Injuries”
Cutler Army Hospital Grand Rounds
Fort Devens, MA
- 10/07/88 “Health Enhancement Through Physical Conditioning”
Concord Fitness Club
Concord, MA
- 10/05/88 “Head and Neck Injuries”
Sports Medicine Workshop
Boxborough, MA
- 09/29/88 “Arthritic Low Back Pain”
Health-In-Action Day
Boston, MA
- 09/22/88 “Prevention and Recognition of Athletic Head and Spine Injuries”
Sports Medicine Update: Prevention and Treatment of Fall Sports Injuries
Albany Medical College
Albany, NY
- 09/13/88 “Emergency Care of the Injured Athlete”
Littleton Junior-Senior High School
Littleton, MA
- 08/12/88 “Osteoarthritis and Sports Injuries”
Brockton Hospital Grand Rounds
Brockton, MA

- 07/27/88 “Catastrophic Sports Injuries”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 07/26/88 “When To Return To Contact Sports After A Head Injury”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 07/25/88 “Prevention of Athletic Spine Injuries”
Omni Specialty Sports Medicine Update American Medical Tennis Association
 Waterville Valley, NH
- 06/24/88 “The Diagnosis and Treatment of Degenerative Cervical and Lumbar Spine Disease”
Binghamton General Hospital Grand Rounds
 Binghamton, NY
- 06/24/88 “Low Back Pain: Etiology, Diagnosis, and Treatment”
 Binghamton, NY
- 06/23/88 “Athletic Catastrophic Sports Injury Study (1931-1987):
 Which Sports Are At Greatest Risk and What Is Being Done To Reduce Injury”
 Binghamton, NY
- 06/17/88 “Osteoarthritis - As It Relates To Sports Injuries”
St. John’s Hospital Grand Rounds
 Lowell, MA
- 06/10/88 “Catastrophic Sports Injuries: Which Sports Are At Greatest Risk
 and What Is Being Done To Reduce Injury”
Sports Medicine Update ‘88
 Westford, MA
- 05/31/88 “Head and Neck Injuries in Rugby”
International Conference on Rugby Injuries
 Boston, MA
- 05/28/88 “Sudden Death - Ice Hockey”
American College of Sports Medicine Annual Meeting
 Dallas, TX
- 05/28/88 “Catastrophic Sports Injuries: Which Sports Are At Greatest Risk
 and What Is Being Done To Reduce Injury”
American College of Sports Medicine Annual Meeting
 Dallas, TX
- 05/27/88 “Discogenic Low Back Pain”
American College of Sports Medicine Annual Meeting
 Dallas, TX
- 05/26/88 “Cervical Spine Evaluation”
 Clinical Workshop
American College of Sports Medicine Annual Meeting
 Dallas, TX

- 05/26/88 “Headache and Convulsion - Aerobic Exercise”
Clinical Lecture
American College of Sports Medicine Annual Meeting
Dallas, TX
- 05/25/88 “When to Return to Contact Sports After a Cerebral Concussion”
Tutorial Lecture
American College of Sports Medicine Annual Meeting
Dallas, TX
- 04/28/88 “Football Catastrophic Sports Injury Experience 1987”
Sports Medicine Section
American Association of Neurological Surgeons
Toronto, Canada
- 04/25/88 “When to Return to Contact Sports After Head Injury”
Panel Chairman: Breakfast Seminar
American Association of Neurological Surgeons
Toronto, Canada
- 03/24/88 “High School and College Catastrophic Sports Injury Survey:
Which Sports Are At Greatest Risk and What is Being Done To Reduce Injury”
Drake University Sports Medicine Conference
Des Moines, IA
- 03/24/88 Returning to Action After a Head Injury”
Drake University Sports Medicine Conference
Des Moines, IA
- 03/10/88 “Catastrophic Injuries in High School and College Athletes”
Writer’s Conference American College of-Sports Medicine
New York, NY
- 03/05/88 “Return to Contact Sports After a Cerebral Concussion”
Fitness in Sports Fourth Annual Conference
Fort Worth, TX
- 02/09/88 “Feeling Fit After Forty”
Community Health-Lecture Series
Emerson Hospital
Concord, MA
- 01/31/88 “Update on Field Management of Head and Neck Injury”
1988 Lake Placid Sports Medicine Conference
Lake Placid, NY
- 01/30/88 “Concussion in Athletes”
1988 Lake Placid Sports Medicine Conference
Lake Placid, NY
- 11/06/87 “Head, Neck, and Back Injuries”
American College of Sports Medicine, New England Chapter
Worcester, MA

- 11/04/87 “Low Back Pain”
Nashoba Community Hospital Grand Rounds
 Ayer, MA
- 09/20/87 “When to Return to Contact Sports After a Head Injury”
New Hampshire Medical Society
 Mt. Washington, NH
- 08/07/87 “When to Return to Contact Sports After a Cerebral Concussion”
Community Health Lecture
 Emerson Hospital
 Concord, MA
- 08/03/87 “Comparison of Exercycle and Monark Bicycles: Maximal Oxygen Uptakes”
 Exercycle Corporation
 Newport, RI
- 07/28/87 “New Concepts in the Treatment of Spinal Injuries”
Symmes Hospital Grand Rounds
 Arlington, MA
- 06/05/87 “When to Return to Contact Sports After a Cerebral Concussion”
New England Neurosurgical Society
 Cambridge, MA
- 05/29/87 “On-Site Evaluation of Head and Spine Injuries”
 Clinical Workshop
American College of Sports Medicine Annual Meeting
 Las Vegas, NV
- 05/29/87 “Acute and Chronic Brain Injury in Contact Sports:
 Historical Perspective and Overview”
American College of Sports Medicine Annual Meeting
 Las Vegas, NV
- 05/29/87 “Acute and Chronic Brain Injury in Contact Sports”
 Symposium Chairman
American College of Sports Medicine Annual Meeting
 Las Vegas, NV
- 05/08/87 “Role of the Neurosurgeon In Sports Medicine”
 Panel Chairman: Breakfast Seminar
American Association of Neurological Surgeons
 Dallas, TX
- 05/01/98 When to Return to Contact Sports After a Cerebral Concussion
Sports Medicine Update '87
 Westford, MA
- 04/24/87 “Extracranial Vascular Disease - The Carotid Endarterectomy Controversy”
Primary Care in Stroke: Putting the Puzzle Together
 Westford, MA

- 04/06/87 “Brain Injuries In Football and Boxing - Can They be Prevented?”
Hot Topics in Sports Medicine and Sports Science ‘87
New York, NY -
- 02/27/87 “Medical Aspects of Boxing”
American College of Sports Medicine Clinical Conference
Keystone, CO
- 02/26/87 “Discogenic Disease - Surgical and Non-Surgical Approaches”
American College of Sports Medicine Clinical Conference
Keystone, CO
- 02/24/87 “Concussion - What Is It?: Guidelines for Returning to Sports”
American College of Sports Medicine Clinical Conference
Keystone, CO
- 02/23/87 “Acute and Chronic Brain Injury and Contact Sports”
American College of Sports Medicine Clinical Conference
Keystone, CO
- 01/08/87 “Guidelines for Return to Contact Sports After a Cerebral Concussion”
International Symposium on the Prevention of Catastrophic Sport, and Recreational Injuries to the Spine and Head
Toronto, Canada
- 01/07/87 “The Activities Leading to Head Injury”
International Symposium on the Prevention of Catastrophic Sports and Recreational Injuries to the Spine and Head
Toronto, Canada