

CURRICULUM VITAE AND BIBLIOGRAPHY

PART I: GENERAL INFORMATION

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Place of Birth: Latvia

Education:

1959-1963	A.B. Lafayette College, Easton, PA
1963-1967	M.D. State University of New York, Upstate Medical Center, Syracuse, NY – cum laude

Postdoctoral training:

Internship and Residencies

1967-1968	Intern in Surgery, Johns Hopkins Hospital, Baltimore, MD
1968-1969	Assistant Resident in Surgery, Johns Hopkins Hospital, Baltimore, MD
1970-1973	Orthopaedic Resident, Harvard Combined Orthopaedic Residency Program, Boston, MA
Jan-June 1973	Assistant in Orthopaedics (Chief Resident), Massachusetts General Hospital, Boston, MA

Fellowships:

1975-1976	Clinical Fellow, Sports Medicine and Knee and Shoulder Surgery, Massachusetts General Hospital, Boston, MA
Jan-April 1976	Traveling Fellow, Edwin French Cave Traveling Fellowship: Arthroscopy and Athletic Knee Injuries

Licensure and Certification:

1968 Diplomat, National Board of Medical Examiners
1971 Massachusetts medical license
1975 American Board of Orthopaedic Surgery
 Re-certification July 12, 1994

Academic Appointments:

1976-1982 Clinical Instructor in Orthopaedic Surgery,
 Harvard Medical School
1982-1995 Assistant Clinical Professor of Orthopaedic Surgery,
 Harvard Medical School
1989- Associate Professor, Adjunct Faculty, MGH Institute of Health Professions,
 Massachusetts General Hospital
1995-2007 Associate Clinical Professor of Orthopaedic Surgery,
 Harvard Medical School
2007- Clinical Professor of Orthopaedic Surgery,
 Harvard Medical School

Hospital or Affiliated Institution Appointments:

1973 Assistant in Orthopaedics, Massachusetts General Hospital
1976-1980 Assistant in Orthopaedics, Massachusetts General Hospital
1976-1983 Consultant, Massachusetts Rehabilitation Hospital
1980-1984 Assistant Orthopaedic Surgeon, Massachusetts General Hospital
1985- Associate Orthopaedic Surgeon, Massachusetts General Hospital
1985- Chief, Sports Medicine Service, Massachusetts General Hospital
1987-1993 Associate Orthopaedic Surgeon, Brigham & Women s Hospital
1996- Courtesy Staff, Harvard University Health Services – Orthopaedic Surgeon
2000-2002 Consultant in Orthopaedics, Harvard University Health Services

Other Professional Positions and Major Visiting Appointments:

1969-1970 Physician, Vail Valley Medical Center, Vail, Colorado
1976-1985 Team Orthopaedist, Boston Bruins Hockey Team (NHL)
1986- Head Physician, Boston Bruins Hockey Team (NHL)
1977- Team Physician, Buckingham, Brown & Nichols School
1979 Assistant Physician, United States Hockey Team, World Cup,
 Moscow, USSR
1982- Head Physician, New England Patriots Football Team (NFL)
1983 Physician, United States Teams, World University Games, Bulgaria
1984 Volunteer Physician, United States Olympic Training Center,
 Colorado Springs, CO
1984 Head Physician, United States Olympic Team, XIV Winter
 Olympic Games, Sarajevo, Yugoslavia

1996- Head Physician, New England Revolution Soccer Team (Major League Soccer)
 1999 Venue Medical Co-Director, Women's World Cup in Soccer
 2000- Team Physician, Curry College, Milton, MA
 2005- Consultant, Boston Red Sox Baseball Team (MLB)
 2006 Team Physician, United States National Hockey Team, International Ice Hockey Federation World Championships, Riga, Latvia

Hospital and Health Care Organization Service Responsibilities:

1976-1983 Consultant, Massachusetts Rehabilitation Hospital
 1977-1982 Co-Director, Sports Medicine Clinic, Massachusetts General Hospital
 1979-1982 Director, Runner's Clinic, Massachusetts General Hospital
 1985-1995 United States Food and Drug Administration (FDA) Orthopaedic and Rehabilitation Devices Panel
 Voting member and consultant
 1980- Attending physician, Surgical Day Care Unit, Massachusetts General Hospital
 1999-2001 Blue Cross/Blue Shield Advisory Committee for Orthopaedics
 2005- Executive Committee, MGH Orthopaedic Ambulatory Surgery Center, Department of Orthopaedics, Massachusetts General Hospital

Major Administrative Responsibilities

1973-1975 *Chief of Orthopaedics*, Naval Regional Medical Center, Guam, Mariana Islands
 1978-1979 *President*, North American Trauma Association (NATA)
 1979-2004 *Director*, Sports Medicine Fellowship Program, MGH
 1981-1992 *Chairman*, Education Committee, United States Olympic Committee Sports Medicine Council
 1982- *Chief*, Sports Medicine Service, Massachusetts General Hospital
 1986 *Chairman*, Program Committee, Arthroscopy Association of North America
 1990-1994 *President*, Latvian Medical Foundation
 1993-1997 *Chairman*, Committee on Sports Medicine American Academy of Orthopaedic Surgeons
 1995-2000 *Director*, Ellison Laboratory for Sports Medicine Research Massachusetts General Hospital
 1995-2000 *Director*, Madeline & Edward S. Redstone Sports Medicine Unit Massachusetts General Hospital
 1994-1995 *Chairman*, By-Laws Committee, International Arthroscopy Association,
 1991-1994 *Board of Directors*, International Arthroscopy Association

Major Committee Assignments:

Hospital

1992-1995 Massachusetts General Hospital – Laser Safety Committee
 1993-1996 Massachusetts General Hospital

Center for Innovative Minimally Invasive Therapy (CIMIT)
Steering Committee on Research
Massachusetts General Hospital West Ambulatory Surgical Center
Executive Committee

Regional

2004- Massachusetts Governor's Council on Physical Fitness and Sports

National

1979-1980 Amateur Hockey Association of the United States
Committee on Safety and Equipment

1980-1981 American Orthopaedic Society for Sports Medicine
Committee on Biomechanics

1981-1992 United States Olympic Committee, Sports Medicine Council
Education Committee
Chairman 1984-1992

1981-1987 American Academy of Orthopaedic Surgeons
Committee on Arthroscopic Education

1981-1988 American Orthopaedic Society for Sports Medicine
Research Committee

1982-1988 Arthroscopy Association of North America
Complications Committee

1983-1985 American Orthopaedic Society for Sports Medicine
Ad Hoc Committee for Sports Medicine Fellowships

1983-1984 American College of Sports Medicine
Ad Hoc Committee on High Performance Athlete

1984-1987 Arthroscopy Association of North America
Program Committee
Chairman, 1986

1985-1988 Arthroscopy Association of North America
Education Committee

1985-1986 Arthroscopy Association of North America
Fellowship Committee

1985-1995 United States Food and Drug Administration,
Orthopaedic & Rehabilitation Devices,
Panel Member, 1985-1987
Consultant, 1989-1995

1992-1994 Arthroscopy Association of North America
Fellowship Committee

1993-1997 American Academy of Orthopaedic Surgeons,
Committee on Sports Medicine
Chairman

1998- American Academy of Orthopaedic Surgeons,
Task Force on Virtual Reality

1998- Arthroscopy Association of North American
Archives Committee

International

- 1991-1995 International Arthroscopy Association,
Board of Directors
1994-1995 International Arthroscopy Association
By-Laws Committee
Chairman

Professional Societies

- 1977- American Medical Association, Member
1977- Massachusetts Medical Society, Member
1979-1990 North American Trauma Association (NATA), Member
President 1978-1979
1977- Boston Orthopaedic Club, Member
1978-1995 International Arthroscopy Association (IAA), Member
Board of Directors 1991-1995
Chairman, Bylaws Committee 1994-95
1978- American College of Surgeons, Fellow (FACS)
1978- American College of Sports Medicine (ACSM), Fellow
Ad Hoc Committee on High Performance Athlete 1983-84
1980- Academy of Orthopaedic Surgeons (AAOS), Fellow
Committee on Arthroscopy Education 1981-1987
Lower Extremity Task Force, Orthopaedic Knowledge Update-I
1983-1984
Ad Hoc Committee, Orthopaedic Knowledge Update-II 1984-1986
Council on Clinical Resources 1993-1994
Committee on Sports Medicine 1991-1993
Chairman 1993-1997
Council on Education Task Force on Virtual Reality Development 1998
1980- American Orthopaedic Society for Sports Medicine (AOSSM), Fellow
Research Committee 1981-1988
Ad Hoc Committee for Sports Medicine Fellowships 1983-1985
Educators Group 1989-1991
1980-1990 American Academy of Sports Physicians, Member
1981- Orthopaedic Research Society, Member
1981- Arthroscopy Association of North America (AANA), Member
Public Relations Committee 1981-1984
Program Committee 1984-1987
Chairman 1986
Ad Hoc Nomenclature Committee 1985-1988
Education Committee 1985-1988
Fellowship Committee 1985-1986, 1992-1994
Complications Committee 1988-1992
Archives Committee 1998-
1981- Massachusetts Orthopaedic Association, Member

- 1981-1985 American Medical Writers Association, Member
- 1982-1992 International Association of Olympic Medical Officers, Member
- 1983-1997 Eastern Orthopaedic Association, Member
- 1983- Herodicus Society, Member
- 1983- National Football League Physicians Society, Member
Program Committee
- 1988- National Hockey League Physicians Society, Member
Research and Statistics Committee 1988-
- 1988- Anterior Cruciate Ligament Study Group, Member
- 1989- American Shoulder and Elbow Surgeons, Member
- 1991- Latvian Medical and Dental Association, Member
President 1991-1993
- 1991- United States Olympic Sports Medicine Society, Member
- 1995- American Society for Laser Medicine and Surgery, Member
- 1995- International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports
Medicine (IASKOS), Member
- 2005- United States Olympic Committee Sports Medicine Society, Member

Community Service Related to Professional Work

- 1978 Independent School League Committee on Safety
- 1982 Initiated and organized the Spain Arthroscopy Association
- 1989 Initiated and organized the First Latvian World Congress in Medicine,
Riga, Latvia

In 1987 I attended the Fifth All-Soviet Congress of Orthopaedics and Traumatology in the Latvian Soviet Socialist Republic as an invited guest speaker. This meeting gave me the idea to organize a similar meeting, but to invite Latvian doctors from the free world to go to Latvia for a combined congress with Latvian doctors. I secured permission from the Prime Minister of Latvian SSR for the assembly. This was the first time such permission was granted. I rented the ice hockey arena for a meeting hall. I chartered a flight from Helsinki to Riga and arrived in June 1989 with 250 doctors and their families. This was the first international flight to land in Riga since the end of World War II. The Congress opened with a parade of more than 6,000 Latvians through the streets of Riga and a peaceful demonstration at the Freedom Monument. This was the first time a large group of Latvians assembled and publicly demonstrated in Soviet-occupied Latvia. The Congress was attended by 6,000 doctors and health professionals from Latvia. The Congress helped speed the resignation of the Soviet Minister of Health and helped catalyze the freedom movement in Latvia. In 1991 Latvia regained its independence. In 2004 I was awarded the Three Star Medal of Honor by the President of Latvia. This is the highest civilian honor in Latvia.

- 1990 Initiated and organized Latvian Orthopedic Association
- 1990- Founded Latvian Medical Foundation to bring medical assistance and education to
Latvia
President 1990-1994
Treasurer 1994-

I have visited Latvia annually since 1989 to provide humanitarian assistance and to teach. I have been an advocate for changes in health care in Latvia. In 1992 I assisted Project Hope and Vice-President Quayle in delivering a shipment of medical relief supplies from

the United States to Latvia. I personally gathered used medical supplies and equipment and sent them to Latvia . In 2000 I established a traveling fellowship that awards postgraduate scholarships each year for two to five recent medical graduates to study abroad. I regularly house and support doctors from Latvia who come to Boston to study. Through the Latvian Medical Foundation we have ongoing programs to provide assistive devices for handicapped children, to support the Children’s Hospital in Riga and to provide prosthetic limbs for children who have amputations. We have a program to assist nursing education. I have set up an electronic medical library at the main teaching hospital in Riga. Each year I spend time in Latvia teaching doctors, residents and medical students.

- 1991 Introduced arthroscopy into Latvia – donated 52 arthroscopes and other arthroscopic equipment and taught doctors in Latvia how to perform arthroscopy
- 1992 Organized International Arthroscopy Conference in Latvia and arranged co-sponsorship by the International Arthroscopy Association. The course was attended by 125 doctors from ten countries
- 1993 Initiated and organized Latvian Arthroscopy Association in Latvia
- 1992 Second Latvian World Congress in Medicine – 5,000 participants
Riga, Latvia
Congress Co-Chairman
This Congress has evolved into a Congress of the Latvian Medical Association that is held every four years.
- 2005- Project to provide prostheses for childhood amputees in Latvia (in cooperation with *A Leg To Stand On* Foundation).

Editorial Boards

- 1982-1985 The American Journal of Sports Medicine,
Editorial Board
- 1984-1988 Journal of Bone and Joint Surgery,
American Board of Associate Editors
- 1989-1991 The American Journal of Sports Medicine,
Editorial Board
- 1989-1995 Orthopaedic Review,
Editorial Board
- 1991-1995 Arthroscopy. The Journal of Arthroscopic and Related Surgery,
Editorial Board
- 1992-2001 The Physician and Sports Medicine,
Editorial Board
- 1994- Current Concepts in Sports Medicine,
Editorial Board
- 1995- Journal of Bone and Joint Surgery,
Consulting Editor for Sports Medicine
- 1978- The Journal of Shoulder and Elbow Surgery,
Consultant Reviewer
- 1999- Arthroscopy. The Journal of Arthroscopic and Related Surgery,
Consultant Reviewer

Awards and Honors

- 1965 Pfizer Medical Scholarship
- 1966 Merck Manual Award
- 1967 Alpha Omega Alpha Honor Medical Society
- 1967 M.D. with Honors
- 1982- Honorary President, Spain Arthroscopy Association
- 1997 Weishotten Lecturer, State University of New York, Upstate Medical Center, Syracuse
- 1991- Foreign Member, Latvian Academy of Science
- 1997 Distinguished Alumnus Award, Syracuse Health Science Center
- 1997- Honorary Member, Latvian Association of Traumatology and Orthopaedics.
- 1997 Excellence in Workshop Leadership, Primary Care Internal Medicine Principles and Practice Course, Massachusetts General Hospital
- 2002 National Football League Physicians Society
“Outstanding Physician of the Year” Award
- 2003 Three Star Medal of Honor in Latvia
Awarded by the President of Latvia
This is the highest civilian honor in Latvia
- 2007 Partners in Excellence Award

PART II: RESEARCH, TEACHING, and CLINICAL CONTRIBUTIONS

A. Narrative Report

Most of my professional accomplishments are as a clinician and an educator. On the national level, I initiated and developed educational program for the United States Olympic Committee and initiated CME courses for the US Soccer Federation and other National Governing Bodies. I was a member of Education Committees of the three major professional societies in my field and developed many postgraduate courses for these organizations. I was Chairman of the American Academy of Orthopaedic Surgeons Committee on Sports Medicine and developed numerous teaching programs for the Academy. I have been course director and invited lecturer at many international, national and regional and local medical courses.

Locally, I have taken a very active role in teaching Harvard medical students, orthopaedic residents, fellows and visiting surgeons. I frequently have medical students with me for one week rotations and I teach them orthopaedic history taking and physical examination, anatomy, medical office management, ethics and medical etymology. I give regular lectures to medical students during their orthopaedic rotations at Massachusetts General Hospital.

In 1979 I organized one of the first Sports Medicine fellowships in the United States at the Massachusetts General Hospital. I funded the Fellowship personally for more than 20 years and was the director of the Fellowship for twenty-five years. I gained ACGME accreditation for the fellowship and secured re-accreditation twice. I have trained more than 50 fellows. Hundreds of international and national visitors have come to me to learn arthroscopy. Many are now in academic and leadership positions.

As one of the early orthopaedic surgeons who participated in the development of arthroscopy in the late 1970's, I was very active in teaching arthroscopy internationally, nationally and locally. I taught arthroscopy extensively in Spain and initiated the Spain Arthroscopy Association in 1982, of which I am Honorary President. I introduced arthroscopy into Latvia in 1991 and initiated the Latvian Arthroscopy Association.

I initiated and developed the Sports Medicine Service at MGH, of which I am Chief. We now have one of the strongest Sports Medicine Services in the country and care for four of the five professional sports teams in Boston. I attracted the New England Patriots and New England Revolution professional sports teams to the MGH for their medical care.

I initiated the concept of an ambulatory surgery center for the Department of Orthopaedics, which opened at MGH West in July 2006. I am on the Executive Committee for the center. We have received the Partners in Excellence Award for this accomplishment.

My clinical contributions have been in the development of Sports Medicine and arthroscopy as specialties and in the treatment of knee and shoulder injuries. I developed an anterior cruciate ligament reconstruction and have improved ways to stabilize the shoulder. I helped develop some of the arthroscopic diagnostic and surgical procedures that are used in arthroscopic surgery of the knee, shoulder and other joints today.

My clinical research activities have related to knee, shoulder, and ankle injuries. Basic science research projects I have done include biomechanical studies of the knee and ankle and studies on the effects of laser energy on musculoskeletal tissues.

B. Funding Information

1981-1982	Whittaker Health Sciences Fund research grant Co-PI <i>Biomechanics of the Knee</i>
1985-1986	William F. Milton Fund research grant Co-PI <i>In Vitro Development of a Syngeneic Ligament Equivalent</i>
1993-1994	Arthroscopy Association of North America Co-PI Laser Research Grant: <i>Optical Properties of Musculoskeletal Tissue</i>
1994	Ellison Foundation <i>Unrestricted grant for Sports Medicine Research</i>
1995	Madeline & Edward S. Redstone <i>Unrestricted grant for Clinical Sports Medicine Unit</i>
1999	National Football League (NFL) Charities Grant Co-PI <i>Posterior Cruciate Ligament Biomechanics</i>

C. Report of Current Research Activities

1. Patella instability – co-investigator – biomechanical model and clinical studies of results of patella realignment.
2. Posterior cruciate ligament (PCL) biomechanics – co-investigator – biomechanical study on injury and reconstruction of the PCL. This study uses a cadaver model in a newly developed knee simulator. The model tests patello-femoral and tibio-femoral contact forces in normal knees and in those in which the PCL has been torn or reconstructed.
3. Hamstring muscle strains in National Football League players – principle investigator – an epidemiological study of injuries during the past 20 years and a prospective clinical study to reduce the incidence of hamstring injuries.
4. Tarsal navicular injuries in hockey players – principle investigator – study of occult fractures of the medial process of the navicula.
5. Treatment of shoulder instability in professional football players – co-investigator – study of outcomes of stabilization; comparison of arthroscopic and open treatment methods.
6. Patella tendonitis – investigator – results of surgical treatment of “jumper’s knee.”

D. Report of Teaching

1. Local Contributions

a. Pre-doctoral

1980- Harvard Medical School/Massachusetts General Hospital
Orthopaedic Surgery Elective (Third and Fourth Year HMS Students),
Preceptor to medical students to teach management of knee and shoulder
problems and introduction to surgery.
15 Medical Students/year.
Weekly rotations for individual medical students.
8 hrs per year as lecturer to groups of medical students.

b. Graduate Medical Courses

1976- Harvard Combined Orthopaedic Residency Program
Teaching orthopaedic residents
Evaluation of outpatients, management of inpatients and teaching in the
operating room.
Twelve residents/year; monthly rotations

Jun 12, 1976 MGH Orthopaedic Grand Rounds, "Cave Traveling Fellowship Report"

Jun 19, 1976 Lecture on "Sports Medicine" at MGH

Oct 8, 1977 MGH Orthopaedic Grand Rounds, "Arthroscopy under local anesthesia"

Aug 25, 1978 Beth Israel Hospital Orthopaedic Grand Rounds, "Arthroscopy"

Mar 31, 1979 MGH Orthopaedic Grand Rounds, "Running Injuries"

May 16, 1979 North American Traveling Fellowship Conference at MGH, lecture on
"Arthroscopy"

Mar 31, 1979 MGH Medicine Department Grand Rounds, "Arthroscopy of Rheumatic
Diseases"

1979-1983 MGH Emergency Department, occasional lectures to EW physicians on
orthopaedic emergencies.

May 10, 1980 Lecture to American-British-Canadian Traveling Fellows at MGH,
"Anterior Cruciate Ligament Reconstruction"

May 14, 1980 Lecture to nurse practitioners at MGH on "Knee and Shoulder Evaluation"

Dec 1, 1980 MGH Medicine Department Grand Rounds, "Knee Injuries"

- Dec 19, 1980 Lecture to primary care physicians at MGH, “Knee Injuries”
- Dec 6, 1981 Lecture to pediatricians and general practitioners at MGH, “Knee Injuries”
- 1991-2001 MGH Institute of Health Professions, Functional Anatomy Course: “Knee Functional Anatomy and Dysfunction,” “Shoulder Surgical Procedures in Athletes,” “Kinesiological Aspect of Anatomy – The Knee.” Lecture twice/year to 10 graduate students.
- 1991-1998 MGH Shoulder Rounds - case presenter and discussor of shoulder disorders. Weekly conference attended by 20 staff, residents, students, fellows and physical therapists.
- 1992- Core Curriculum, Harvard Medical School. Lecturer on topics such as “Shoulder: Functional Anatomy,” “Rotator Cuff and Impingement,” “Anterior Cruciate Ligament Reconstruction,” “Surgical Anatomy of the Knee,” and “Anterior Cruciate Ligament Revision Reconstruction.” Annual lecture to about 30 orthopaedic residents.
- 1995- MGH Sports Medicine Conference – initiator and organizer of a weekly conference attended by about 30 residents, fellows, medical students, radiologists and physical therapists. CME credit can be obtained by attending this conference and it helps fulfill the educational requirements for the ACGME accreditation of the fellowship.
- 1999- MGH Clinical-Radiological Conference – initiated and organized a quarterly orthopaedic conference in which radiologists interpret MRI and CT studies and these are correlated with surgical findings. The conference is attended by about 35 residents, fellows, medical students, radiologists and physical therapists.

c. Local Invited Teaching Presentations

- Dec 17, 1976 Course lecturer on “Athletic Knee Injuries,” Children’s Hospital Medical Center, Boston, MA
- Sep 23, 1977 Visiting lecturer on “Evaluation of Knee Injuries,” Children’s Hospital Medical Center, Orthopaedic Grand Rounds, Boston, MA
- Nov 8, 1977 Course lecturer on “Arthroscopy,” MGH Postgraduate Course in Surgery
- Mar 2-4, 1978 Course lecturer on “Knee Injuries,” MGH Postgraduate Course
- Aug 18, 1978 Course lecturer on “Musculotendinous Injuries of the Lower Extremity,” Children’s Hospital Medical Center, Sports Medicine Symposium, Boston, MA
- May 13, 1978 Course lecturer on “Knee Injuries,” MGH Postgraduate Course in Surgery

- Oct 20, 1978 Course lecture on “The Injured Knee,” MGH Postgraduate Course
- Nov 13, 1979 Course lecturer on “Which knee is sprained and which is seriously injured?” MGH Postgraduate Course in Surgery
- Dec 14, 1979 Visiting lecturer on “Anterior Cruciate Ligament Reconstruction,” Peter Bent Brigham Hospital, Orthopaedic Grand Rounds, Boston, MA
- May 17, 1980 Osgood Lecture Day, “Anterior Cruciate Ligament Injuries,” MGH
- Aug 22, 1980 Course lecturer on “Initial Assessment of Injuries,” Children’s Hospital Medical Center, Sports Medicine Seminar, Boston, MA
- Apr 30, 1987 Guest lecturer on “Athletic Injuries: A Medical Challenge,” The 1987 Josiah A. Spaulding Lecture, Spaulding Rehabilitation Hospital, Boston, MA
- Jun 22, 1988 Guest lecturer on “Posterior Cruciate Ligament Injuries,” Grand Rounds, Brigham and Women’s Hospital, Boston, MA
- May 2, 1995 Invited Lecturer, “Anterior Cruciate Ligament Injuries,” Surgical Grand Rounds, Mount Auburn Hospital, Cambridge, MA
- Nov 12, 2002 Course Lecturer, “The Knee,” MGH Institute of Health Professions, Clinical Anatomy Course, Charlestown, MA
- Feb 27, 2003 Guest lecturer, “Common Knee Problems,” Medical Grand Rounds, Mount Auburn Hospital, Cambridge, MA
- Dec 2, 2006 Guest lecturer, “Office Approaches to Shoulder Pain for Internists,” American College of Physicians, New England Chapter, Waltham, MA
- Feb 10, 2007 Invited lecturer, “Sports Medicine – Knee,” Partners’ Physician Day, Boston, MA

d. Continuing Medical Education Courses

- 1979-1983 Course lecturer, “Abnormalities and Diseases of the Knee,” Harvard Medical School Postgraduate Course, Annual Course. Lectures to 300 orthopaedists
- Oct 20, 1987 Course lecturer on “Arthroscopic Meniscectomy,” and “Combined Anterior Cruciate Ligament Reconstruction,” Second Combined Harvard Medical School and Cornell University Medical College, Instructional Course on “Surgery of the Knee,” Boston, MA
- 1990-1993 Course lecturer on “Athletic Injuries of the Elbow and Shoulder.” Principles and Practice of Rehabilitation Medicine Postgraduate Course, Harvard Medical School. Annual lecture to 150 physicians.

- Nov 10, 1994 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- May 2, 1996 Course Lecturer, "Arthroscopy in the Arthritic Knee," "Autologous Chondrocyte Implantation," Harvard Medical School, Postgraduate Course, Boston, MA
- Nov 7, 1996 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Jan 29, 1997 Course Lecturer, "Lower Extremity Injuries," Harvard Postgraduate Primary Care Course, Boston, MA
- Oct 23, 1997 Course Lecturer, "Common Knee Injuries," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Nov 5, 1998 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Nov 1, 1999 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical Postgraduate Course, Cambridge, MA
- Nov 5, 2001 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Sep 30, 2002 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Oct 3, 2002 Course Lecturer, "Arthroscopy and Micro-fracture of the Degenerative Knee," Harvard Medical School 32nd Annual Course, Advances in Hip and Knee Arthroplasty, Cambridge, MA
- Oct 20, 2003 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA
- Sep 26-7, 2005 Course Lecturer, "Therapeutic Approaches to the Knee," Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA

Oct 16, 2006 Course Lecturer, “Therapeutic Approaches to the Knee,” Primary Care/Internal Medicine Principles and Practice, Harvard Medical School Postgraduate Course, Cambridge, MA

e. Advisory and Supervisory Responsibilities

I initiated and developed the Sports Medicine Fellowship at MGH in 1978 and supervised all aspects of this postgraduate training program for 25 years. I secured accreditation and re-accreditation of the fellowship by the ACGME. I directed the fellows’ research projects and their entire teaching program, and personally funded to fellowship for about 20 years.

I supervise Harvard medical students and residents during their rotations on the Sports Medicine Service.

f. Teaching Leadership Roles – Local

1978- MGH Sports Medicine Fellowship
Initiator and Director of Fellowship Program
Preceptor for one to three orthopaedic surgeons for postgraduate fellowship training
One year duration of fellowship- daily (fulltime) contact
Initiator and Director 1978-2003

1978-93 Harvard Medical School Annual Postgraduate Course, “Common Musculoskeletal Problems for the Non-orthopaedist” course. Annual course attended by 250 physicians.
*Initiator and Co-Director 1978-82,
Lecturer 1978-2002*

1991- 2005 MGH Sports Medicine Conferences - Organize program, select and recruit speakers, and give frequent presentations. Weekly conferences attended by about 25 fellows, residents, physical therapists and staff.
Initiator and Director

g. Fellowship Trainees

1. Stephen Wender, M.D. 1/1/79-7/30/79
Orthopaedic Practice, North Miami Beach, FL
2. Ron Stradiotto, M.D. 7/1/79-12/31/79
Orthopaedic practice, Vallejo, CA
3. Steven Silver, M.D. 1/1/80-6/30/80
Orthopaedic practice, Springfield, MA
4. Dudley Ferrari, M.D. 7/1/80-6/30/81
Professor of Orthopaedics emeritus, University of Massachusetts, Worcester
5. Vincent McInerney, M.D. 7/1/81-6/30/82

- Assistant Dean
 Professor and Chairman, Department of Orthopaedic Surgery
 Director, Sports Medicine
 Seton Hall University School of Graduate Medical Education
6. Leslie Matthews, M.D. 1/1/82-6/30/82
 Associate Clinical Professor of Orthopaedic Surgery, Johns Hopkins University
 Chief of Orthopaedics, Union Memorial Hospital
 Team physician, Baltimore Ravens NFL football team
 7. Jerome Ciullo, M.D. 7/1/82-12/31/82
 Associate Clinical Professor of Orthopaedic Surgery, Michigan State University
 Team physician, Michigan Panthers USFL football
 Team physician, Detroit Wheels MISL soccer
 Team physician, Detroit Vipers IHL hockey
 Team physician, Detroit Pistons NBA basketball
 Team physician, Wayne State University
 8. Victor Nemeth, M.D. 7/1/82-6/30/83
 Orthopaedic practice, Lorain, OH
 9. Douglas Kerr, M.D. 7/1/83-12/31/83
 Associate Clinical Professor of Orthopaedic Surgery,
 State University of New York, Upstate Medical Center in Syracuse
 Team Physician, Binghamton University
 10. John Boyle, M.D. 7/1/83-6/30/84
 Orthopaedic practice, Beverly, MA
 11. Thomas Bilko, M.D. 7/1/84-6/30/85
 Orthopaedic practice, Towanda, PA
 12. Chad Prodromos, M.D. 7/1/84-6/30/85
 Assistant Professor of Orthopaedics, Rush University, Chicago
 13. Mark Colville, M.D. 7/1/85-6/30/86
 Associate Clinical Professor, Oregon Health and Sciences University
 14. Richard Marder, M.D. 7/1/85-6/30/86
 Clinical Professor of Orthopaedic Surgery and Chief of Sports Medicine
 University of California at Davis School of Medicine
 Team Physician, Sacramento Kings NBA basketball team
 15. Mark Adams, M.D. 7/1/86-6/30/87
 Assistant Clinical Professor of Orthopaedic Surgery,
 University of Missouri
 USA Team Physician for Olympic Games 2000, 2006
 Team Physician USA Women's National Soccer Team
 16. Chris Barnthouse, M.D. 7/1/86-6/30/87
 Assistant Clinical Professor, University of Missouri-Kansas City
 Team Physician, Kansas City Chiefs NFL Football Team
 17. James Acker, M.D. 7/1/87-6/30/88
 Orthopaedic practice, Ormond Beach, FL
 18. Bryan Bomberg, M.D. 7/1/87-6/30/88
 Orthopaedic practice, Steamboat Springs, CO
 19. Terrence Lock, M.D. 7/1/88-6/30/89
 Team Physician, Detroit Lions NFL Football Team

20. James Stone, M.D. 7/1/88-6/30/89
Assistant Clinical Professor of Orthopaedic Surgery,
Medical College of Wisconsin
21. Drew Miller, M.D. 8/1/89-7/31/90
Orthopaedic practice, Atlanta, GA
22. James Moore, M.D. 8/1/90-7/31/91
Orthopaedic practice, Bronx, NY
23. Timothy Foster, M.D. 8/1/91-2/1/92
Assistant Professor of Orthopaedic Surgery,
Boston University School of Medicine
Co-Director of Sports Medicine Service, Boston Medical Center
Team physician, Boston University sports
24. Robert Frederick, M.D. 8/1/91-7/31/92
Assistant Professor of Orthopaedic Surgery, Jefferson Medical College
25. Daniel Fish, M.D. 8/1/92-7/31/93
Orthopaedic practice, Danbury, CT
26. Scott Luallin, M.D. 8/1/93-7/31/94
Orthopaedic practice, Oakland Park, KS
Team physician, Kansas City Wizards professional soccer team
27. Craig Faulks, M.D. 8/1/93-7/31/94
Assistant Clinical Professor of Orthopaedic Surgery,
George Washington University
Assistant Clinical Professor of Orthopaedic Surgery,
Georgetown University
28. George Kolettis, M.D. 1/1/94-7/31/95
Orthopaedic practice, Boca Raton, FL
29. Peter Looby, M.D. 8/1/95-7/31/96
Assistant Professor of Orthopaedic Surgery,
University of South Dakota School of Medicine
30. Stephen Southerland, M.D. 8/1/95-7/31/96
Orthopaedic practice, Portland, OR
31. Kenneth Trauner, M.D. 8/1/95-7/31/96
Assistant Professor of Orthopaedic Surgery,
University of California at Davis School of Medicine
32. Anthony Petrosini, M.D. 8/1/96-7/31/97
Orthopaedic practice, Sea Girt, NJ
33. Shawn Sieler, M.D. 8/1/96-7/31/97
Orthopaedic practice, North Brunswick, NJ
34. James FitzGibbons, M.D. 8/1/97-7/31/98
Orthopaedic practice, Bridgeport, CT
35. Alejandro Posada, M.D. 8/1/97-7/31/98
Assistant Professor of Orthopaedics, University of Miami
36. Marc Fineberg, M.D. 8/1/98-7/31/99
Associate Professor of Orthopaedic Surgery, and Chief of Sports Medicine
State University of New York at Buffalo
37. Geoffrey Higgs, M.D. 8/1/98-7/31/99
Orthopaedic practice, Richmond, VA
38. Christopher Arnold, M.D. 8/1/99-7/31/00
Orthopaedic practice, Springdale, AR

39. David Smink, M.D. 8/1/00-7/31/01
Orthopaedic practice, Silver Spring, MD
40. Christopher Carey, M.D. 8/1/00-7/31/01
Orthopaedic practice, Voorhees, NJ
41. Christopher Breen, M.D. 8/1/00-7/31/01
Orthopaedic practice, Providence, RI
42. Lars Richardson, M.D. 8/1/01-7/31/02
Clinical Instructor in Orthopaedic Surgery,
Harvard Medical School
43. David Golden, M.D. 8/1/01-7/31/02
Orthopaedic practice, Los Angeles, CA
44. Craig Title, M.D. 8/1/01-7/31/02
Orthopaedic practice, New York, NY
45. Joseph Chase, M.D. 8/1/02-7/31/03
Orthopaedic practice, Boston, MA
46. Stephen Nuccion, M.D. 8/1/02-7/31/03
Orthopaedic practice, Torrance, CA
47. Bruce Stamos, M.D. 8/1/02-7/31/03
Orthopaedic practice, Brick, NJ
48. Matthew McLean, M.D. 8/1/03-7/31/04
Orthopaedic practice, Philadelphia, PA
49. Matthew Scuderi, M.D. 8/1/03-7/31/04
Assistant Professor of Orthopaedic Surgery,
State University of New York, Upstate Medical Center in Syracuse
50. Andrew Stoeckl, M.D. 8/1/03-7/31/04
Orthopaedic practice, Buffalo, NY
51. David Mayman, M.D. 8/1/04-7/31/05
Orthopaedic practice, New York, NY
52. Joseph Czarnecki, M.D. 8/1/04-7/31/05
Orthopaedic practice, Winchester, MA
53. Richard Shane Barton, M.D. 8/1/04-7/31/05
Orthopaedic practice, Shreveport, LA
54. Eric Berkson, M.D. 8/1/05-7/31/06
Orthopaedic practice, Boston, MA
55. Jeremy Moses, M.D. 8/1/05-7/31/06
Orthopaedic practice, Lowell, MA
56. Peter Asnis, M.D. 8/1/05-7/31/06
Clinical Instructor of Orthopaedic Surgery, Harvard Medical School
Orthopaedic staff, Massachusetts General Hospital

International Trainees

1. Ramon Cugat, M.D. Barcelona, Spain
Board of Directors, International Arthroscopy Association
President, Spain Arthroscopy Association
2. Mario Berenstein, M.D. Buenos Aires, Argentina
Director, Centro de Ortopedia y Traumatologia Centenario
3. Colin Couper, M.D. Hamilton, Bermuda
4. Apostolos Valtas, M.D. Athens, Greece

5. Maurizio Bertoni, M.D. Florence, Italy
6. Professor Aldo Maiotti, M.D. Rome, Italy
7. Marco Maiotti, M.D. Rome, Italy
8. Tetsuya Kato, M.D. Tokyo, Japan
9. Vaga Gaprindashvili, M.D. Tbilisi, Republic of Georgia
10. Wichan Kanchanatawan, M.D. Bangkok, Thailand
11. M. Nedim Doral, M.D. Ankara, Turkey
Professor of Orthopaedic Surgery, Chairman of Sports Medicine Department
Hacettepe University Medical Faculty
12. Ahmed Ahmed, M.D. Giza, Egypt
13. Young-Min Kim, M.D. Seoul, Korea
14. Hisashi Kurosawa, M.D. Tokyo, Japan
15. Rod Dalziel, M.D. Melbourne, Australia
16. Kotaro Fukuya, M.D. Tokyo, Japan
17. Flovio Quaglia, M.D. Turin, Italy
18. Giancarlo Minnicelli, M.D. Genoa, Italy
19. Suhail Bulos, M.D. Beirut, Lebanon
20. Basil Kaufman, M.D. Afula, Israel
21. H.S. Qatar, M.D. Jordan
22. Christian Bour, M.D. Le Mans, France
23. Moises Cohen, M.D. São Paulo, Brazil
Professor of Orthopaedic Surgery, Chairman of Sports Medicine Division
Federal University of São Paulo
24. Abraham Lambrechts, M.D. Cape Town, South Africa
25. Valdis Zatlers Riga, Latvia
President, Latvian Arthroscopy Association
Hospital Director, Latvian Institute of Traumatology and Orthopaedics
26. Janis Abols Riga, Latvia
27. Martins Andersons Riga, Latvia

2. Regional, National and International Teaching Presentations

a. Invited Presentations

Regional

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| Oct 2, 1976 | Visiting lecturer on “Sports Medicine,” University of Massachusetts, Amherst, MA |
| Mar 14, 1977 | Course lecturer on “Hockey Injuries,” Sports Medicine Symposium, Boston Surgical Society, Boston, MA |
| Apr 9, 1977 | Course lecturer on “Soccer Injuries,” N.E. Regional Coaches and Trainers Conference, Newton, MA |
| Nov 7, 1977 | Panel Member on “Endoscopy,” Boston Surgical Society meeting, Boston, MA |

Nov 15, 1977 Visiting lecturer on "Instability of the Knee," Tufts New England Medical Center, Orthopaedic Grand Rounds, Boston, MA

Nov 30, 1977 Course lecturer on "Athletic Injuries," Symposium, Independent School League, Boston, MA

Mar 23, 1978 Visiting lecturer on "Instability of the Knee," New England Baptist Hospital, Orthopaedic Grand Rounds, Boston, MA

May 5, 1978 Course lecturer on "Knee Injuries," New England Surgical Society Spring Meeting, Boston, MA

Jul 26, 1978 Visiting lecturer on "Arthroscopy of the Knee," New England Baptist Hospital, Orthopaedic Grand Rounds, Boston, MA

Sep 6, 1978 Visiting lecturer on "Sports Injuries," Catholic Medical Center, Medical Conference, Manchester, NH

Mar 7, 1979 Course lecturer on "Knee Injuries," New England Medical Association Annual Meeting, Waterville Valley, NH

Aug 25, 1978 Visiting lecturer on "Arthroscopy," Beth Israel Hospital, Orthopaedic Grand Rounds, Boston, MA

May 2, 1979 Course lecturer on "Disability following Patellectomy," New England Baptist Hospital, Orthopaedic Grand Rounds, Boston, MA

May 17, 1979 Visiting lecturer on "High School Sports Injuries," Cambridge Hospital Grand Rounds, Cambridge, MA

Nov 16, 1979 Course lecturer on "Anterior Cruciate Ligament Reconstruction," New England Orthopaedic Society Annual Meeting, Boston, MA

Dec 4, 1979 Visiting lecturer on "Sports Medicine," Veterans Administration Conference, Boston, MA

Sep 8-10, 1980 Course lecturer on "Resection of Intra-articular Osteophytes," Surgical faculty, Advanced Arthroscopy Course, Sebasco, ME

Oct 4, 1980 Visiting lecturer on "Acute Knee Injuries," New Hampshire Orthopaedic Society, Dartmouth-Hitchcock Medical Center, Hanover, NH

Jan 17, 1981 Course lecturer on "Arthroscopy," Georgetown University Tennis Medicine Symposium, New York City, NY

Feb 7, 1981 Course lecturer on "Soft Tissue Injuries in Sports," and "Acute Knee Injuries," North Jersey Sports Medicine Seminar, Patterson, NJ

Apr 15, 1981 Visiting lecturer on "Anterior Cruciate Ligament Reconstruction," New

England Baptist Hospital Grand Rounds, Boston, MA

Oct 15, 1981 Course lecturer on “Arthroscopy Techniques,” Advanced Arthroscopy Course, Dixville Notch, NH

Feb 22, 1982 Course lecturer on “Evaluation of Sprained Knee” and “Arthroscopy,” Boston University Postgraduate Course, Mount Snow, VT

Mar 16, 1982 Visiting lecturer on “Anterolateral Rotatory Knee Instability,” Tufts New England Medical Center Orthopaedic Grand Rounds, Boston, MA

Mar 29, 1982 Course lecturer on “Anterior Cruciate Ligament Update,” Boston Orthopaedic Club, Boston, MA

Apr 17, 1982 Course lecturer on “Acute Knee Injuries” and “Chronic Knee Instability,” Nineteenth Annual Northeastern-Mid-Atlantic Orthopaedic Residents’ Conference, Paterson, NJ

Oct 3-7, 1982 Course lecturer on “Shoulder Arthroscopy,” Advanced Arthroscopy Course, Dixville Notch, NH

Oct 30, 1982 Course lecturer on “Techniques of Arthroscopy,” “Meniscus Repair,” and “Arthroscopic Management of Degenerative Joint Disease,” The Philadelphia Orthopaedic Society, Philadelphia, PA

Nov 17, 1982 Visiting lecturer on “Shoulder Arthroscopy,” Orthopaedic Grand Rounds, New England Baptist Hospital, Boston, MA

Oct 2-5, 1983 Course lecturer on “Shoulder Arthroscopy,” 6th Annual Advanced Arthroscopy Course, Dixville Notch, NH

Apr 10, 1984 Guest lecturer on “Rotatory Instabilities of the Knee,” Tufts University School of Medicine Grand Rounds, Boston, MA

Apr 26, 1984 Guest lecturer on “Treatment and Prevention of Knee Injuries,” Goddard Memorial Hospital, Stoughton, MA

Sep 4-7, 1984 Course lecturer on “Meniscal Repair in the Unstable Knee” and “Complications in Arthroscopic Surgery,” 7th Annual Maine Advanced Arthroscopy Course, Sebasco, ME

Feb 10-15, 1985 Course lecturer on “Winter Olympics – The Sarajevo Experience,” “The IOC and USOC and their Function,” “Arthroscopy of the Shoulder,” “Treatment of Failed Repairs of Shoulder Dislocations,” and “Anterior Cruciate Reconstruction Semitendinosus-Iliotibial Band,” Sports Medicine, Cleveland Clinic Foundation and University of Vermont College of Medicine, Warren, VT

- Mar 14, 1985 Guest Lecturer on “The Current Approach, Diagnosis and Management of Acute Rotator Cuff Tears,” Thames River Orthopaedic Society, Groton, CT
- Oct 13, 1985 Course lecturer on “Knee Injuries,” New England Chapter American College of Sports Medicine, Annual Meeting, Boxborough, MA
- Feb 10, 1986 Visiting lecturer on “The Role of Arthroscopy in the Management of Athletic Shoulder Injuries,” Boston Surgical Society, Boston, MA
- Jun 6-7, 1986 Course lecturer on “Anterior Cruciate Ligament Reconstruction and General Knee Surgery,” Athletic Trainers of MA, Sports Medicine Conference and Annual Meeting, University of Lowell, Lowell, MA
- Jul 9, 1986 Visiting lecturer on “Anterior Cruciate Ligament Reconstruction,” Orthopaedic Grand Rounds, New England Baptist Hospital, Boston, MA
- Jan 7, 1987 Visiting lecturer on “Anterior Cruciate Ligament Reconstruction,” Grand Rounds, The University of Rochester, School of Medicine, Rochester, NY
- Apr 18, 1987 Visiting lecturer on “Shoulder Instability,” Grand Rounds, Brown University, Department of Orthopaedics, Providence, RI
- Oct 9, 1987 Course lecturer on “Shoulder Injuries Occurring in the Competitive Athlete,” State University of New York Sports Medicine Symposium, Syracuse, NY
- Jun 9-11, 2005 Visiting Professor, “Rotator Cuff Tears and Impingement,” “Glenoid Labrum Tears,” 34th Annual Orthopaedic Residents Scientific Program, Erie County Medical Center, Buffalo, NY
- Oct 14, 2005 Visiting Lecturer, “Torn Rotator Cuff,” Grand Rounds, Yale University, New Haven, CT
- Nov 9, 2006 Visiting Lecturer, “Rotator Cuff Injuries,” American College of Sports Medicine Northeastern Chapter annual meeting, Providence, RI
- Nov 30, 2006 Visiting lecturer, “Office Approach to Shoulder Pain for Internists,” American College of Physicians, Massachusetts Chapter annual meeting, Waltham, MA
- National**
- May 25, 1976 Course lecturer on “Thrombo-embolic Disease,” National Intravenous Nurses Association, Boston, MA
- Mar 1, 1977 Course lecturer on “Shoulder Injuries,” North American Trauma Association, Aspen, CO

Dec 2, 1977 Course lecturer on “Instability of the Knee,” Forum Club, Boston, MA

Mar 8, 1978 Course lecturer on “Arthroscopy” and “Ski Injuries,” North American Trauma Association, Vail, CO

Mar 17, 1978 Course lecturer on “Evaluation of Common Orthopaedic Problems,” Adult Nurse Practitioner’s Association Annual Meeting, Boston, MA

Nov 30, 1978 Course instructor, American Academy of Orthopaedic Surgeons, Arthroscopy Course, New Orleans, LA

Jul 15, 1978 Course lecturer on “Anatomy/Instability of the Knee,” American Academy of Orthopaedic Surgeons Summer Institute, Boston, MA

Feb 28, 1979 Course lecturer on “Soft Tissue Injuries of the Lower Extremity,” North American Trauma Association, Vail, CO

Feb 6, 1980 Course lecturer on “Symposium on Intra-articular and Extra-articular Reconstruction of the Anterior Cruciate Ligament,” American Orthopaedic Society for Sports Medicine, Annual Meeting, Atlanta, GA

Feb 8, 1980 Course lecturer on “Combined Anterior Cruciate Ligament Reconstruction using Semitendinosus Tendon and Iliotibial Tract,” American Academy of Orthopaedic Surgeons, Annual Meeting, Atlanta, GA

May 28, 1980 Course lecturer on “Knee Injuries – Diagnostic and Preventive Aspects,” “Clinical Advances in the Treatment of the Elite Athlete,” American College of Sports Medicine Annual Meeting, Las Vegas, NV

Jun 17, 1980 Course lecturer, “Recurrent Transient Subluxation of the Shoulder – The Dead Arm Syndrome,” American Orthopaedic Association Annual Meeting, Honolulu, HI

Jan 30, 1981 Course lecturer on “Sports Medicine – Present and Future,” National Governing Bodies Meeting, United States Olympic Committee, Colorado Springs, CO

Apr 24, 1981 Course lecturer on “Training, Injury Evaluation, and Bracing in Sports,” American Academy of Orthopaedic Surgeons Postgraduate Course, Boston, MA

Jun 11, 1981 Course lecturer on “Sports Medicine for the 1980’s,” United States Olympic Academy V, Colorado Springs, CO

Jun 23, 1981 Course lecturer on “Rotational Motion of the Knee,” American Orthopaedic Society for Sports Medicine Annual Meeting, Lake Tahoe, CA

- Sep 22, 1981 Course lecturer on “Review of Arthroscopic Technique” and “Lateral Meniscectomy – Results and Difficulties,” American Academy of Orthopaedic Surgeons Postgraduate Course, New York City, NY
- Nov 13-14, 1981 Course lecturer on “Clinical Evaluation of Chronic Knee Laxity,” “Surgical Treatment of Chronic Knee Laxity,” West Virginia Sports Medicine Symposium, Morgantown, WV
- Dec 14, 1981 Course lecturer on “Acute Knee Injuries,” and “Arthroscopy,” Philadelphia, PA
- Mar 18-19, 1982 Workshop participant on “Isokinetic muscle testing,” United States Olympic Committee Training Center, Colorado Springs, CO
- Apr 24, 1982 Course lecturer on “Indications and Techniques for Surgery – Arthroscopic versus Arthrotomy” and “Collateral Ligament Repair and Reconstruction,” Cherry Blossom Sports Medicine and Fitness Symposium, Georgetown University School of Medicine, Washington, DC
- Apr 29-30, 1982 Course lecturer on “Rehabilitation Techniques in Recovering from Sports Injuries” and “The Knee,” American Academy of Orthopaedic Surgeons – National Institutes of Health Workshop, Denver, CO
- May 6, 1982 Course Lecturer on “Calcium Pyrophosphate Deposition Disease,” Arthroscopy Association of North America, Chicago, IL
- May 8, 1982 Course lecturer on “Surgical Reconstruction for Medial and Lateral Knee Instability,” The American Osteopathic Academy of Orthopaedics, Charleston, SC
- May 13-14, 1982 Visiting lecturer, Johns Hopkins Hospital and Baltimore City Hospital Orthopaedic Grand Rounds, Baltimore, MD
- Jul 8-10, 1982 Course lecturer on “Review of Arthroscopic Techniques” and “Management of Patients with Meniscal Lesions and Ligamentous Instability,” American Academy of Orthopaedic Surgeons, Philadelphia, PA
- Jul 12-15, 1982 Course lecturer on “Rehabilitation: Is there a difference with arthroscopic surgery?” American Orthopaedic Society for Sports Medicine, Tan-Tar-A, MO
- Oct 25, 1982 Symposium Panelist on “Intra-operative Infiltration for Pain,” Contemporary Surgery, Chicago, IL
- Dec 3-4, 1982 Course lecturer on “How I Reconstruct the Anterior Cruciate Deficient Knee,” Memorial Hospital Medical Center of Long Beach, Long Beach, CA

- Mar 15, 1983 Course lecturer on “Advances in Treatment of Knee and Shoulder Injuries,” American College of Sports Medicine, New York, NY
- May 12-15, 1983 Course lecturer on “Arthroscopic Meniscectomy,” American Academy of Orthopaedic Surgeons, Boston, MA
- May 21-22, 1983 Course lecturer on “A Partial Clinical Review of Shoulder Evaluations” and “Instabilities of the Knee, Conservative Treatment and New Concepts in Repair and Reconstruction,” Colorado Athletic Trainers Association, Colorado Springs, CO
- Jun 3, 1983 Course lecturer on “Anterior Cruciate Ligament Repair” and “Shoulder Arthroscopy,” Fort Collins Orthopaedic Associates, Fort Collins, CO
- Jun 10-13, 1983 Course lecturer on “Anterior Cruciate Ligament Reconstruction,” “Acute Posterior Cruciate Disruption,” and “Extensor Mechanism Realignment,” Cincinnati Sports Medicine and Orthopaedic Center, Cincinnati, OH
- Sep 19, 1983 Panel Member, “Rotatory Instability of the Knee,” American Academy of Orthopaedic Surgeons Summer Institute, Boston, MA
- Oct 3-5, 1983 Course lecturer on “Repair of Peripheral Meniscal Tears” and “Technique of Arthroscopic Meniscectomy,” American Academy of Orthopaedic Surgeons, Cleveland, OH
- Oct 12-16, 1983 Course lecturer on “Diagnostic Technique including Arthroscopy for Common Shoulder Injuries in Sports” and “Surgical Arthroscopy for Shoulder Problems,” Eastern Orthopaedic Association, Palm Beach, FL
- Oct 19-22, 1983 Course lecturer on “The Challenge of Sports Medicine in the United States, 1983,” LaCrosse Health and Sports Science Symposium, LaCrosse, WI
- Nov 17, 1983 Course Lecturer on “Reaction of Muscle to Injury or Disease,” 1983 White House Symposium on Physical Fitness and Sports Medicine, Washington, DC
- Mar 12-13, 1984 Panel member, “Athletic Injuries and their Prevention, Management, and Rehabilitation,” Sports Medicine and the Science of Exercise, American College of Sports Medicine, San Diego, CA
- Mar 16-18, 1984 Course lecturer on “Combined Anterior Cruciate Ligament Reconstruction using Semitendinosus Tendon and Iliotibial Tract – Three to Six Year Follow-up Report,” ACL Study Group Meeting, Steamboat Springs, CO
- Mar 19-23, 1984 Course lecturer on “Bankart Repair” and “Chronic Anterior Cruciate Ligament Instability: Intra-articular and Extra-articular Reconstruction,” American Academy of Orthopaedic Surgeons, Winter Sports Injuries,

Steamboat Springs, CO

- May 2, 1984 Course lecturer on “Arthroscopy in Acute Patellofemoral Disorders” and “The Role of Arthroscopy in Acute Medial Ligament Tears,” American Academy of Orthopaedic Surgeons, Acute Injuries of the Knee Course, Pine Mountain, GA
- Jun 7-9, 1984 Course lecturer on “Shoulder Subluxation and Dislocation in the Athlete/Anterior” and “Arthroscopy and Arthroscopic Surgical Indications/Shoulder,” American Academy of Orthopaedic Surgeons, Upper Extremity Injuries in Athletes Course, Washington, DC
- Jul 19-22, 1984 Course lecturer on “High Tibial Osteotomy: Modified Slocum Technique to Relieve Patellofemoral Stress,” 10th Annual Herodicus Society Meeting, LaCosta, CA
- Jul 23-26, 1984 Course lecturer on “Failed Shoulder Surgery – Re-operative Considerations,” 10th Annual Meeting, American Orthopaedic Society for Sports Medicine, Anaheim, CA
- Sep 11, 1984 Course lecturer on “Rotatory Instability of the Knee” and “Shoulder Disorders including Arthroscopy,” American Academy of Orthopaedic Surgeons Summer Institute, San Diego, CA
- Oct 3, 1984 Guest lecturer on “Technique of Combined Anterior Cruciate Ligament Reconstruction using Semitendinosus Tendon and Iliotibial Tract,” Interstate Orthopaedic Society, Morgantown, WV
- Nov 1-3, 1984 Course lecturer on “The Glenoid Labrum,” Third Annual Meeting of the American Shoulder and Elbow Surgeons, Boston, MA
- Nov 15-17, 1984 Course lecturer on “Basic Skills of Arthroscopic Surgery – Standard Approaches, Portals and Triangulation Techniques” and “Arthroscopic Video, Photography and Documentation,” Panel Member, “Basic Skills and Techniques in Arthroscopy,” American Academy of Orthopaedic Surgeons, Arthroscopic Surgery – Knee and Shoulder Postgraduate Course, Boston, MA
- Jan 3-5, 1985 Conference Lecturer on “Functional Anatomy of the Shoulder,” and “Shoulder Instability – Anterior and Posterior,” Third National Conference on Injuries to the Throwing Arm, United States Baseball Federation and United States Olympic Committee Sports Medicine Council, Phoenix, AZ
- Feb 4, 1985 Guest lecturer on “Combined Anterior Cruciate Ligament Reconstruction Using Semitendinosus Tendon and Iliotibial Tract,” University of Southern California School of Medicine, Los Angeles, CA
- Feb 23, 1985 Course lecturer on “Shoulder Instability in the Athlete – Diagnosis and Treatment” and “The Medical Aspects of the 1984 Winter Olympics,”

- Tenth Annual Meeting, North American Trauma Association, Snowbird, UT
- Mar 11, 1985 Guest lecturer on “Semitendinosus and Iliotibial Band, Combined Reconstruction for Cruciate Insufficiency,” Detroit Academy of Orthopaedic Surgeons, Detroit, MI
- Apr 10-13, 1985 Course lecturer on “Peripheral Lesions: Open repair vs. Arthroscopic Repair, the Case for Open Repair,” “Arthroscopy Management of Traumatic Chondral Lesions,” and “Arthroscopic Surgery of the Shoulder – Instability and Impingement and Rotator Cuff Disease,” – 1985 Annual Meeting, Arthroscopy Association of North America, Boston, MA
- Apr 28-May 2, 1985 Course lecturer on “Intra-articular Reconstruction of the Anterior Cruciate Ligament,” American Academy of Orthopaedic Surgeons meeting, Chronic Injuries of the Knee Course, Kiawah Island, SC
- May 31-Jun 2, 1985 Course lecturer on “Symptomatic Osteophytes,” American Academy of Orthopaedic Surgeons, Specialized Techniques in Arthroscopic Surgery Course, Williamsburg, VA
- Jun 17-23, 1985 Course lecturer on “Medical Aspects of Sports” and “Medical Coverage of Athletic Events,” First Global Latvian Sports Festival, MI
- Jun 29-Jul 3, 1985 Course lecturer on “Acromioclavicular Joint and Rotator Cuff Problems, Operative vs. Non-operative Treatment,” American Orthopaedic Society for Sports Medicine Eleventh Annual Meeting, Nashville, TN
- Aug 6-7, 1985 Course lecturer on “Ice Sport Injuries,” “The Impact of Injury on Sport and Exercise,” The 1985 Sports Medicine Congress and Exposition, Indianapolis, IN
- Sep 19, 1985 Course lecturer on “Management of Anterior Shoulder Instability” and “Anterior, Posterior, and Multi-directional Instabilities,” Cincinnati Sports Medicine and the Midwest Institute for Orthopaedics Course, Cincinnati, OH
- Jan 11, 1986 Visiting lecturer on “The Rotator Cuff” and “Meniscus Repair versus Removal,” The Cleveland Clinic Foundation Grand Rounds, Cleveland, OH
- Feb 21, 1986 Symposium Lecturer on “Anatomy and Surgical Approaches to the Shoulder,” American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA
- Mar 21, 1986 Course lecturer on “Low Conductivity Irrigating Solutions for Arthroscopy,” Arthroscopy Association of North America, Annual Meeting, San Francisco, CA

- May 1-3, 1986 Course lecturer on “Anterior Dislocations: Causes, Diagnosis and Treatment,” “Multidirectional Dislocation: Voluntary and Involuntary,” and “Failed Repair – Procedures for Handling,” American Academy of Orthopaedic Surgeons Sports Medicine in the Upper Extremity and Cervical Spine Course, St. Thomas, Virgin Islands
- Aug 7-9, 1986 Course lecturer on “Anterolateral Rotatory Instability” and “Intra-articular Reconstruction with Semitendinosus Tendon and Fascia Lata – Indications and Results,” American Academy of Orthopaedic Surgeons, Cruciate Ligament and Rotatory Instability of the Knee Course, Monterey, CA
- Sep 22-26, 1986 Course lecturer on “Bankart Procedure - Surgical Technique” and “Shoulder Instability – Role of Arthroscopic Surgery,” American Academy of Orthopaedic Surgeons 1986 Summer Institute, Monterey, CA
- Dec 6-10, 1986 Course lecturer on “Technique of Bankart Repair,” “Missed (Locked) Dislocations of the Shoulder,” and “Arthroscopy of the Shoulder Pathology and Operative Techniques,” American Academy of Orthopaedic Surgeons, Common Shoulder Problems Course, Vail, CO
- Jan 27, 1987 Instructional Course lecturer on “Muscle Injuries,” 54th Annual Meeting, American Academy of Orthopaedic Surgeons, San Francisco, CA
- Feb 12, 1987 Visiting lecturer on “Current Principles of Anterior Cruciate Ligament Reconstruction,” Bay Area Knee Society, San Francisco, CA
- Feb 28-Mar 7, 1987 Course lecturer on “Shoulder Instability in Athletes,” Twelfth Annual Meeting, North American Trauma Association, Jackson Hole, WY
- May 29, 1987 Course lecturer on “Arthroscopic Meniscectomy: Techniques and Pitfalls,” American Academy of Orthopaedic Surgeons, Boston, MA
- Sep 16, 1987 Course lecturer on “Bankart Repair: Technique, Results,” American Academy of Orthopaedic Surgeons Summer Institute, Boston, MA
- Sep 30, 1987 Course lecturer on “Bankart Repair” and “Failed Surgery”, American Academy of Orthopaedic Surgeons, Shoulder Surgery – Current Techniques Course, Beverly Hills, CA
- Feb 5-9, 1988 Course lecturer on “Pitfalls and Complications of Elbow Arthroscopy,” “Anterior Cruciate Ligament Instability,” “The Shoulder IV: Instabilities,” “Posterior Cruciate Ligament Symposium,” American Academy of Orthopaedic Surgeons, 55th Annual meeting, Atlanta, GA
- Mar 18, 1988 Course lecturer on “Controversies in Anterior Cruciate Ligament Repair,” American Orthopaedic Association, Resident’s Conference, Boston, MA
- Mar 19, 1988 Guest lecturer on “Shoulder Instability,” Orthopaedic Grand Rounds Conference, Henry Ford Hospital, Detroit, MI

- Mar 26, 1988 Course lecturer on “Complications in Shoulder Arthroscopy,” Arthroscopy Association of North America, 7th Annual Meeting, Washington, DC
- Apr 29, 1988 Course lecturer, “Shoulder Arthroscopy,” “Acromioclavicular Joint Injuries,” “Shoulder Instability,” “Rehabilitation of Athlete’s Shoulder,” St. Luke’s Hospital Symposium, Houston, TX
- Nov 11-13, 1988 Course lecturer on “Management of Inflammation,” “Articular Cartilage and Knee Joint Function,” “Basic Science and Arthroscopy,” Bristol-Myers/Zimmer Symposium, Chicago, IL
- Nov 17-18, 1988 Course lecturer on “Management of Inflammation of the Knee,” “Principles of Cruciate Ligament Reconstruction: Graft Selection, Isometric Points,” Jefferson Orthopaedic Society Annual Meeting, Philadelphia, PA
- Dec 2, 1988 Course lecturer on “Difficult Lateral Meniscal Tears and Techniques,” “Arthroscopic Treatment of Arthritis, Debridement and Abrasion,” and “Measuring Knee Instability,” American Academy of Orthopaedic Surgeons Arthroscopy of the Lower Extremity – Advanced Concepts Course, San Diego, CA
- Feb 9-14, 1989 Course lecturer on “Ankle Injuries in Athletes,” 56th Annual Meeting, American Academy of Orthopaedic Surgeons, Las Vegas, NV
- Feb 12, 1989 Course lecturer on “Complications and Pitfalls in Arthroscopic Surgery of the Shoulder,” Arthroscopy Association of North America, Specialty Day, Las Vegas, NV
- Mar 31, 1989 Course lecturer on “Acromioplasty,” “Treatment of Posterior and Global Instability,” “Lateral and Posterolateral Instability,” The Miami Sports Medicine Seminar, Miami, FL
- Apr 21-22, 1989 Guest lecturer on “Anterior Cruciate Ligament: Indications for Surgery,” Tenth Annual Orthopaedic Reunion Day, West Virginia University School of Medicine, Morgantown, WV
- Sep. 18, 1989 Visiting lecturer on “Ankle Injuries” at George Washington Hospital, Washington, DC
- Sep 18, 1989 Guest lecturer on “Current Status of Anterior Cruciate Ligament Surgery” at Washington Orthopaedic Society, Washington, DC
- Jan 26-28, 1990 Course lecturer on “Anterior Cruciate Ligament Surgical Technique,” “Shoulder Instability,” and “Patello-femoral Disorders” at American Sports Medicine Institute Injuries in Baseball Course, Birmingham, AL

- Mar 23, 1990 Course lecturer on “Posterior Shoulder Instability,” “Bankart Repair,” and “Complications of Shoulder Surgery” at Sports Medicine Conference, Miami, FL
- Oct 4, 1990 Guest lecturer on “Shoulder Instability,” “Modifications of the Bankart Procedure,” and “Failed Shoulder Surgery,” Edward T. Smith Lectureship, Houston, TX
- Oct 12, 1990 Course lecturer on “Anterior Dislocation and Subluxation” and “Varied Tear Patterns/Acromioplasty” at the Arthroscopic Surgery of the Shoulder and Ankle Updated 1990 Course, Chicago, IL
- Nov 10, 1990 Course lecturer on “Current Concepts in Diagnosis of Meniscus Pathology,” “Open ACL Reconstruction,” and “Open Procedures for Patellofemoral Surgery,” at American Academy of Orthopaedic Surgeons The Knee: Current Concepts, Boston, MA
- Jun 10-13, 1991 Presentation on “Recurrent Patella Dislocation Treated by Proximal and Distal Patella Realignment,” American Orthopaedic Association 104th Annual Meeting, Palm Beach, FL
- Sep 4-7, 1991 Course Lecturer on “Rotator Cuff Tears and Acromioplasty” and “Anterior Dislocation and Subluxation of the Shoulder – Open Surgery,” Arthroscopic Surgery of the Shoulder and Ankle Update 1991 – St. Francis Hospital, Milwaukee, WI, Chicago, IL
- Sep 17, 1991 Course Lecturer on “Arthroscopic Partial Meniscectomy,” American Academy of Orthopaedic Surgeons Summer Institute, Washington, DC
- Jan 10-12, 1992 Course Lecturer on “The Bankart Procedure,” 1992 Injuries in Baseball Course, American Sports Medicine Institute, Birmingham, AL
- Jan 16-17, 1992 Lecturer on “Unusual Foot Injuries in Ice Hockey,” National Hockey League Team Physician Society meeting, Philadelphia, PA
- Mar 23, 1992 Distinguished Lecturer on “Failed Shoulder Surgery,” American Sports Medicine Institute, Birmingham, AL
- Apr 3-5, 1992 Course Lecturer on “Anatomy and Biomechanics of Throwing a Football versus a Baseball,” National Football League Physicians Society Conference, San Francisco, CA
- Jul 14, 1992 Course Lecturer on “Tarsal Navicular Fractures in Hockey Players,” Herodicus Society meeting, Acapulco, Mexico
- Sep 23, 1992 Course Lecturer on “Arthroscopic Partial Medial Meniscectomy” and “Role of Lasers in Meniscus Surgery,” American Academy of Orthopaedic Surgeons Summer Institute, Seattle, WA

- Apr 28, 1993 Course Panelist on “Neurotrauma and Athletics: Who Should Play... When?” American Association of Neurological Surgeons Annual Meeting, Boston, MA
- Jan 5-8, 1994 Course lecturer on “Soft Tissue Injuries – Current Concepts,” “Posterior Shoulder Instability,” and “Failed Shoulder Surgery and Unreduced Dislocations,” American Academy of Orthopaedic Surgeons Sports Medicine Course, Steamboat Springs, CO
- Mar 25, 1994 Course lecturer on “MRI of the Shoulder,” American Orthopaedic Society for Sports Medicine and National Football League Sports Medicine Conference, Washington, DC
- Dec 8-10, 1994 Course Lecturer on “Shoulder Problems in Contact Sports,” “Clinical Diagnosis of Shoulder Instability and X-ray Evaluation,” and “Complications of Surgical Repair for Shoulder Instability,” American Orthopaedic Society for Sports Medicine Course on Athletic Injuries of the Shoulder, Orlando, FL
- Feb 10, 1995 Course Lecturer, “Knee Dislocations with Torn Anterior Cruciate Ligament, Medial Collateral Ligament, Posterior Cruciate Ligament,” National Football League Team Physicians Science Symposium, Indianapolis, IN
- Jul 13, 1995 Conference Lecturer, “Chondrocyte Implantation of Chondral Defects in the Knee,” Herodicus Society Meeting, Huntsville, Ontario, Canada
- Jul 14, 1995 Symposium Lecturer, “Autologous Chondrocyte Implantation,” American Orthopaedic Society for Sports Medicine Annual Meeting, Toronto, Ontario, Canada
- Sep 10-12, 1995 Course Lecturer, “Diagnostic Arthroscopy of the Knee,” “Arthroscopic Anatomy,” “Bankart Repair Technique,” and “Meniscus Tear Patterns.” Live Surgical Video Demonstrator, “Endoscopic Anterior Cruciate Ligament Reconstruction,” and “Bankart Repair,” American Academy of Orthopaedic Surgeons Summer Institute, Boston, MA
- Feb 9, 1996 Conference lecturer, “Acute Cervical Disk Injuries in Football,” National Football League Physicians Society Scientific Symposium, Indianapolis, IN
- Feb 23, 1996 Course Lecturer, “Sports Injuries of the Knee,” American Academy of Orthopaedic Surgeons Review Course, Atlanta, GA
- Feb 23, 1996 Panelist Lecturer, “Autologous Chondrocyte Implantation,” Symposium on Articular Cartilage Injuries, American Academy of Orthopaedic Surgeons Annual Meeting, Atlanta, GA

- Feb 25, 1996 Conference Lecturer, "Chondrocyte Update," American Orthopaedic Society for Sports Medicine Specialty Day, Atlanta, GA
- Jan 17-18, 1997 Visiting Professor, "Current Concepts of Anterior Cruciate Ligament Injuries," "Articular Cartilage Regeneration," "Diagnosis and Treatment of Anterior Shoulder Instability," and "Failed Shoulder Surgery," Western Orthopaedic Association, San Diego, CA
- Feb 12-15, 1997 Course Lecturer, "Sports Knee Injuries," Orthopaedic Review Course. Symposium Participant, "Articular Cartilage Regeneration," American Academy of Orthopaedic Surgeons Annual Meeting, San Francisco, CA
- Feb 6, 1998: Course lecturer, "Pectoralis Major Tendon Injuries," National Football League Physicians Society Scientific Symposium, Indianapolis, IN
- Jun 16, 2001 Invited lecturer, "The Professional Team Affiliation – How Important and to Whom?" American Orthopaedic Association Annual Meeting, West Palm Beach, FL
- Mar 1, 2002 Course lecturer on "Hamstring Injuries in Professional Football (NFL) Players, National Football League Physicians Society, Indianapolis, IN
- May 16, 2002 Guest lecturer on "Impingement and Rotator Cuff Tendon Problems: Controversies and Management," Kansas City Orthopaedic Society, Leawood, KS
- Sep 29, 2002 Course lecturer on "Rotator Cuff Tears," Second Southern California Orthopaedic Sports Medicine Fellowship Conference, San Diego, CA
- Jul 17, 2003 Course lecturer on "Rotator Cuff Tears and Impingement," Twenty-Ninth Annual Herodicus Society Meeting, Laguna Niguel, Dana Point, CA
- May 2, 2004 Course Lecturer, "Are Labral Lesions a Cause of Shoulder Pain?" American Shoulder and Elbow Surgeons 9th International Congress on Surgery of the Shoulder, Washington, DC
- May 30-31, 2004 Course Lecturer, "Mini-Open Repair of Torn Rotator Cuff," "Bankart Repair for Shoulder Instability," and "Treatment of Hamstring Muscle Injuries in the National Football League," 19th Annual Advances on the Knee and Shoulder Conference, Hilton Head, SC
- Feb 25, 2005 Course Lecturer, "Luxatio Erecta: A Case Report," National Football League Physicians Society Annual Scientific Meeting, Indianapolis, IN

International

- Jul 3, 1978 Course lecturer on "Arthroscopy," Latvian Medical and Dental Association meeting, Toronto, Ontario, Canada

- Apr 10-18, 1979 Visiting Professor, "Sports Medicine," "Knee Injuries," and Arthroscopy," Live arthroscopy teaching, live video arthroscopy teaching and individual arthroscopy teaching, Third Middle East Sports Medicine Science Symposium, Bahrain, Arabian Gulf
- Apr 19-20, 1979 Visiting Professor, "Sports Injuries," Conference for Physicians, Coaches, and Trainers, Kuwait, Arabian Gulf
- April 27, 1979 Course lecturer on "Injuries in Ice Hockey," International Conference of Ice Hockey Physicians, Moscow, USSR
- Nov 14, 1979 Course lecturer on "Soft Tissue Injuries of the Lower Extremities," International College of Surgeons, Plattsburgh, NY
- Mar 24, 1981 Course lecturer on "Biomechanical Aspects of Soft Tissue Injuries and Processes of Healing," International Conference on Sports Medicine, Utrecht, Netherlands
- Aug 29, 1981 Visiting lecturer on "Arthroscopic Resection of Osteophytes of the Knee," International Arthroscopy Association, Rio de Janeiro, Brazil
- Jun 3-5, 1982 Visiting lecturer and live surgical demonstrator, "Knee Arthroscopy," Arthroscopy course organized by Professor Aldo Maiotti, Rome, Italy
- Jun 6-9, 1982 Initiator and organizer of arthroscopy teaching course in Barcelona, Spain. Only lecturer and live video-surgery demonstrator. The course was attended by 150 orthopaedic surgeons from Spain and led to the formation of the Spain Arthroscopy Association.
- Jun 10-12, 1982 Visiting lecturer, "Knee Instability," "Torn Anterior Cruciate Ligament," "Arthroscopy," First World Congress of Biological Sciences Applied to Football, Barcelona, Spain
- May 25-28, 1983 Course lecturer on "Septic Joints" and "Resection of Osteophytes," International Arthroscopy Association, Toronto, Canada
- Oct 29-30, 1983 Visiting lecturer on "Arthroscopy," Curso Internacional de Artroscopia, Madrid, Spain
- Nov 9-10, 1984 Visiting lecturer on "Meniscal Sutures by way of Arthroscopy" and "The Functional Recovery of the Surgically Treated Knee," International Meeting, The Protection of Health and the Practice of Sports, The Provincial Administration of Rome and the Councillorship for Sports and Tourism, Rome, Italy
- Mar 11-14, 1986 Visiting lecturer on "Shoulder Lesions" and "Muscle and Tendon Injuries of the Lower Extremity," Advanced Conference in Sports Medicine, the Combined Scandinavian Sports Medicine Societies, Oslo, Norway

- Nov 5, 1987 Visiting lecturer on “Arthroscopic Treatment of Gonarthrosis,” “Acute Tears of the Anterior Cruciate Ligament,” “Shoulder Arthroscopy and Arthroscopic Surgery,” Spain Arthroscopy Association Annual Meeting, Barcelona, Spain
- Dec 10, 1987 Course lecturer on “Anterior Cruciate Ligament Reconstruction,” International Conference on Advances in Traumatology and Orthopaedics, Riga, Latvia
- Aug 14-18, 1988 Visiting International Lecturer, “The Posterior Cruciate Ligament,” “Acromioclavicular Injuries,” “Shoulder Instability,” “Arthroscopy and Arthroscopic Surgery,” and “Tendon and Muscle Injuries,” XXVI Congresso Brasileiro de Ortopedia E Traumatologia, Brasilia, Brazil
- Sep 19-22, 1988 Visiting lecturer on “Anterior Cruciate Ligament Reconstruction,” “Open vs. Arthroscopic Surgery,” and “Complications of Shoulder Arthroscopy,” Confronto di Esperienze sulla Chirurgia ed Artrosopia di Ginocchio e Spall,” Florence, Italy
- Jun 26, 1989 Course lecturer on “Shoulder Injuries,” First Latvian World Congress in Medicine, Riga, Latvia. I initiated and organized this National Congress which was attended by 6,000 Latvian physicians and health care workers.
- Oct 4-7, 1989 Course lecturer on “Arthroscopic Treatment of Calcific Deposits in Supraspinatus Tendon,” “An Evaluation of Modifications of the Bankart Procedure,” and “Shoulder Arthroscopy,” at Fourth International Shoulder Conference, New York, NY
- Oct 11, 1989 Visiting lecturer on “Arthroscopy” and “Anterior Cruciate Ligament Surgery,” Conference on Micro Traumatologic and Diagnostic Problems in Sports, Degot, Dreifaltigkeitskrankenhaus, Cologne, West Germany
- Oct 13, 1989 Visiting lecturer on “Arthroscopy of Joints Other than Knee” and “Anatomical Classification of Ankle Sprains,” 8th Congress of Sports Medicine of the A.Z.Sint-Jan, Brugge, Belgium
- Dec 3-4, 1989 Guest Lecturer on “Arthroscopy and Arthroscopic Surgery of the Knee,” “Muscle and Tendon Injuries in the Lower Extremities,” “Shoulder Instability,” “Elbow Injuries in Sports,” and “Knee Injuries in Sports,” The Sixth Orthopaedic Symposium on Sports Related Injuries, Security Forces Hospital, Riyadh, Saudi Arabia
- Jan 17-19,1990 Guest lecturer on “Arthroscopy” and “Muscle Injuries,” “ Orthopaedic and Traumatology conference, Riga, Latvia
- May 14, 1991 Course Lecturer on “The Optical Properties of the Human Meniscus” at the Combined Congress of the International Society of the Knee and International Arthroscopy Association, Toronto, Ontario, Canada

Jun 17-21, 1991 Guest Lecturer on “Arthroscopy,” Orthopaedic Conference in Riga, Latvia

Oct 28-Nov 2, 1991 Guest Lecturer on “Arthroscopy and Arthroscopic Surgery, Orthopaedic Conference in Riga, Latvia

Jan 23-24, 1992 Guest Lecturer on “Arthroscopy and Arthroscopic Surgery,” Laboratorio De Artroscofia De Rodilla 1992, Universidad de Barcelona, Barcelona, Spain

Feb 4-7,1992 Guest Lecturer on “Arthroscopy and Arthroscopic Surgery,” Riga, Latvia

Jun 6-9, 1992 Guest Lecturer on “Basic Arthroscopy Techniques,” “Arthroscopic Medial Meniscectomy,” “Synovial Lesions,” “Shoulder Arthroscopy,” and “Complications of Arthroscopy,” International Arthroscopy Conference, Jurmala, Latvia

Jul 20, 1992 Course Lecturer on “Patellar Realignment,” “Shoulder Instabilities – Surgical Treatment,” and “Complications of ACL Surgery,” International Arthroscopy Association, Barcelona, Spain

Jun 21, 1993 Course Lecturer on “Current Status of Knee Ligament Grafts and Prosthetics,” Second Latvian World Congress in Medicine, Riga, Latvia

Oct 4-7, 1994 Invited lecturer on “Anterior Cruciate Ligament Reconstuction with Mid-Third Patellar Tendon Graft,” “Bankart Procedure,” and “Complications of Anterior Cruciate Ligament Surgery” at 37th Meeting of Association Medica Pana Americana, Guayaquil, Ecuador

Jul 2-5, 1995 Congress Lecturer, “An Evaluation of Open Methods in Anterior Shoulder Instability,” Sixth International Congress on Surgery of the Shoulder, Helsinki, Finland

Jun 22, 1996 Invited Lecturer, “Common Shoulder Problems,” Meeting of the Latvian Orthopaedic and Traumatological Association, Riga, Latvia

Jun 23, 1998 Invited Lecturer, “Articular Cartilage Transplantation - State-of-the-Art,” Canadian Orthopaedic Association Annual Meeting, Ottawa, Canada

Jun 22, 2001 Invited Lecturer, “Shoulder Instability - Open and Arthroscopic Management,” IV Latvian World Congress in Medicine, Riga, Latvia

Jun 14, 2004 Course Lecturer, “Acute Compartment Syndrome in Football Players with Complete Avulsion of the Peroneus Longus Muscle Origin,” Thirtieth Annual Herodicus Society Meeting, St. Andrews, Scotland

Jun 16, 2006 Invited lecturer, “Progress in Sports Medicine,” Latvian Medical Congress, Riga, Latvia

b. Professional and Educational Leadership Roles

United States Olympic Committee

- 1980-1992 United States Olympic Committee, Sports Medicine Council *Chairman of Education Committee*. Organized and directed multiple education courses for physicians, trainers and coaches. Responsible for developing teaching programs.
- 1980 Course Developer and Co-Director, United States Olympic Committee Sports Medicine Conference on “*Winter Sports Injuries*,” Boston, MA
- 1981 Course Developer, United States Olympic Committee and United States Soccer Federation conference on “*Medical Aspects of Soccer*,” Tampa, FL
- 1982 Course developer, “*Computerized Isokinetic Exercise Testing*” Workshop, United States Olympic Training Center, Colorado Springs, CO
- 1982 Course developer, Workshop for United States Olympic Committee and National Governing Body Sports Medicine personnel, Colorado Springs, CO
- 1983 Course Developer, United States Olympic Committee and United States Baseball Federation conference on “*Injuries to the Throwing Arm*,” Atlanta, GA
- 1984 Course Developer, United States Olympic Committee and United States Baseball Federation conference on “*Injuries to the Throwing Arm*,” Tampa, FL
- 1985 Course Developer, United States Olympic Committee and United States Baseball Federation conference on “*Injuries to the Throwing Arm*,” Phoenix, AZ

American Academy of Orthopaedic Surgeons

- 1984 Course Chairman, “*Arthroscopic Surgery – Knee and Shoulder*,” American Academy of Orthopaedic Surgeons Postgraduate Course, Boston, MA
- 1981-1987 Section Editor of Orthopaedic Knowledge Update
- 1993-1997 Chairman, Committee on Sports Medicine

American Orthopaedic Society for Sports Medicine

- 1983-1985 Ad hoc committee on Sports medicine Fellowships – helped develop guidelines and curriculum for fellowships

Latvian Medical Conferences

- 1989 Initiator and Developer First Latvian World Congress in Medicine, Riga, Latvia
- 1992 Initiator and Developer of International Arthroscopy Conference in Latvia (cosponsored by International Arthroscopy Association)
- 1993 Co-chairman Second Latvian World Congress in Medicine, Riga, Latvia

Arthroscopy Association of North America

- 1985-1988 *Education Committee*, Arthroscopy Association of North America.
- 1986 *Program Chairman*, Annual Meeting, San Francisco, CA.
Organized national meeting and scientific program.

Miscellaneous Conferences

1988 Chairman, Postgraduate Course on “*Orthopaedic Surgery: Athletic Injuries,*”
American College of Surgeons Clinical Congress, Chicago, IL

4. Major Curriculum Offerings

From 1983 until 1985 I was a member of the committee of the American Orthopaedic Society for Sports Medicine that developed the curriculum for Sports Medicine Fellowships. This curriculum is still used today for all accredited Sports Medicine Fellowships in the United States.

D. Report of Clinical Activities

As a member of the full-time faculty of the Department of Orthopaedics at the Massachusetts General Hospital my practice is located in the new Sports Medicine Center at 175 Cambridge Street. My clinical practice is limited to the management of athletic injuries of the knee and shoulder and, in a broader sense, to the field of Sports Medicine. The majority of my surgical practice is arthroscopic surgery of the knee and shoulder.

My clinical practice at MGH is divided approximately in half between evaluating patients in the office and operating in the Surgical Day Care Unit or MGH West Ambulatory Surgical Center. The patients I treat tend to be young and middle-aged and are active in sports. Sixty percent have knee injuries, 30 percent shoulder injuries and the rest have ankle, elbow and other sports injuries. The number of patients I see per year is approximately 1,200 new patients and 1,700 follow-up visits. I perform about 600 surgical procedures a year.

I am team physician for three professional sports teams, one high school and one college. I am active in editorial work for several medical journals and am the Consulting Editor for Sports Medicine for the Journal of Bone and Joint Surgery.

I was a consultant to Biosurface Technology, Inc. (later acquired by Genzyme) and assisted in developing the cell culturing techniques used for autologous chondrocyte implantation. On March 31, 1995 I performed the first autologous chondrocyte implantation procedure in the United States.

On July 5, 2002 I directed a doctor in the South Pole via satellite in performing the first live remote tele-surgical procedure.

PART III: BIBLIOGRAPHY

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2. Rowe CR, **Zarins B**. Chronic unreduced dislocations of the shoulder. *J Bone Joint Surg Am* 1982;64:494-505.
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6. Rowe CR, **Zarins B**, Ciullo J. Recurrent anterior dislocation of the shoulder after surgical repair. Apparent causes of failure and treatment. *J Bone Joint Surg Am* 1984;66:159-68.
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