

# Curriculum Vitae and Bibliography

## Peter C Amadio, MD

### Personal Information

Place of Birth: Philadelphia, PA  
Citizenship: United States of America  
Work Address: 200 First Street SW  
Rochester, MN 55905-0001  
Email Address: pamadio@mayo.edu

### Present Academic Rank and Position

**Consultant** - Division of Hand Surgery, Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota 10/1984 - Present  
**Consultant** - Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota 10/1985 - Present  
**Professor of Orthopedics** - Mayo Clinic College of Medicine and Science 07/1993 - Present  
**Consultant** - Division of Orthopedic Research, Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota 03/1997 - Present  
**Chair** - Division of Orthopedic Research, Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota 2005 - Present  
**Vice Chair for Research** - Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota 2005 - Present  
**Full Faculty Privileges in Biomedical Engineering** - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science 12/2005 - Present  
**Consultant (Joint Appointment)** - Department of Physiology & Biomedical Engineering, Mayo Clinic, Rochester, Minnesota 10/2007 - Present  
**Consultant (Joint Appointment)** - Division of Health Care Policy & Research, Department of Health Sciences Research, Mayo Clinic, Rochester, Minnesota 10/2007 - Present  
**Professor of Biomedical Engineering** - Mayo Clinic College of Medicine and Science 10/2008 - Present  
**Dean for Research Academic Affairs** - Mayo Clinic, Rochester, Minnesota 2012 - Present  
**Medical Director** - Office for Information Security 2013 - Present  
**Deputy Director** - Mayo Center for Military Medicine 2018 - Present

## Education

Pennsylvania State University - BS	1971
Jefferson Medical College, Thomas Jefferson University - MD	1973
Medical College of Virginia - Internship/Residency, Surgery	1973 - 1975
Childrens Hospital Medical Center, Boston MA - Research Fellowship, Orthopaedics	1975 - 1976
Harvard Combined Orthopaedic Residency Program, Harvard Medical School - Resident, Orthopaedic Resident	1976 - 1978
Bunker Hill Health Center, Boston MA - Consultant, Pediatric Orthopaedics	1979 - 1980
Chelsea Health Center - Consultant, Pediatric Orthopaedics	1979 - 1980
Massachusetts General Hospital, Harvard Medical School - Chief Resident, Orthopaedics	1979 - 1980
Massachusetts Rehabilitation Hospital - Consultant, Orthopaedics	1979 - 1980
Thomas Jefferson University - Fellow, Hand Fellow	1980 - 1981

## Certification

### Board Certifications

#### American Board of Orthopaedic Surgery (ABOS)

Diplomate	1980 - Present
Orthopedic Surgery/Hand Surgery	1989 - Present
General and Adult Orthopedics	1995 - Present
General Orthopaedics	1995 - Present

#### National Board of Medical Examiners (NBME)

Diplomate	1974 - Present
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#### Mayo Clinic Quality Academy

Mayo Clinic Quality Fellow: Bronze Level Certification	2010
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## Licensure

Minnesota	28098 (Medical)	01/1983 - Present
Wisconsin	34302 (Medical)	01/1993 - Present
Florida	ME 0065658 (Medical)	01/1994 - Present
Arizona	22202 (Medical)	01/1994 - Present

## Honors and Awards

<b>National Merit Scholar</b> - Awarding Organization	01/1968
<b>Peabody Fellow in Pediatric Orthopedics</b> - Department of Orthopaedic Surgery, Massachusetts General Hospital, Boston, Massachusetts	01/1979 - 01/1980
<b>Outstanding Clinical Paper entitled: "Classification of Wrist Instability"</b> - Puerto Rican Society for Surgery of the Hand (American Association for Hand Surgery Annual Meeting)	01/1987

<b>Young Surgeon Representative</b> - Minnesota Chapter, American College of Surgeons	01/1987 - 01/1988
<b>Second Prize, Resident paper competition: Hanssen AD, DeSilva SD, Amadio PC:</b> - Minnesota Orthopaedic Society	01/1988
<b>Invitational Lectureship</b> - American Society of Hand Therapists	01/1990
<b>Honorary Member</b> - Hungarian Society for Surgery of the Hand	01/1992
<b>Munkacsi Lectureship</b> - University of Saskatoon	01/1994
<b>JT Davis Visiting Professor in Hand Surgery</b> - University of Mississippi	01/1997
<b>Royal Society of Medicine Book Award (Highly Commended) for: Current Practice in Hand Surgery, PC Amadio, G Foucher and P Saffar, Editors. Martin Dunitz, London, Publishers</b> - Royal Society of Medicine	01/1997
<b>Invited Mentor</b> - American Society of Hand Therapists	01/1998
<b>Clinician Teacher of the Year</b> - American Association for Hand Surgery	06/2000
<b>Honorary Member</b> - Japanese Society for Surgery of the Hand	01/2001
<b>Keynote Speaker</b> - Quebec Orthopaedic Association, Quebec City, Quebec, Canada	01/2002
<b>Sidney Blair Visiting Professor in Hand Surgery</b> - Loyola University Chicago	01/2002
<b>Honorary Member</b> - American Society of Hand Therapists	01/2003
<b>Leadership Mentor</b> - American Academy of Orthopaedic Surgeons	01/2003
<b>Honorary Member</b> - Romanian Society for Surgery of the Hand	01/2004
<b>Leadership Mentor</b> - American Academy of Orthopaedic Surgeons	01/2004
<b>President's Invited Speaker</b> - Taiwan Hand Society	05/2004
<b>Honorary Member</b> - Australian Hand Surgery Society	01/2005
<b>Honorary Member</b> - New Zealand Hand Club	01/2005
<b>Presidential Invited Speaker</b> - Australian Society for Surgery of the Hand, Queenstown, NZ	03/2005
<b>Richard J Smith Invited Lecturer</b> - Massachusetts General Hospital	05/2005
<b>Joseph J Danyo Invited Lecturer</b> - American Association for Hand Surgery	01/2006
<b>Leadership Mentor</b> - American Academy of Orthopaedic Surgeons	01/2006
<b>Honorary Member</b> - British Society for Surgery of the Hand, United Kingdom	2009
<b>Lloyd A. and Barbara A. Amundson Professor of Orthopedics</b> - Mayo Clinic, Rochester, Minnesota Recipient of Endowed Professorship	2009
<b>Honored Professor</b> - Philadelphia Hand Symposium, Philadelphia, Pennsylvania	03/2009
<b>Presidential Guest Speaker</b> - Central Japan Society for Orthopaedics and Traumatology	04/2009
<b>Keynote Speaker</b> - Minnesota Medical Group Management Association, Health Administration Associations, Rochester, Minnesota	07/2009
<b>Presidential Invited Speaker</b> - Italian Society for Surgery of the Hand	10/2010
<b>Esser Invited Speaker</b> - Department of Plastic Surgery, Erasmus University	11/2011

<b>Keynote Speaker</b> - Eastern Japan Society for Surgery of the Hand	03/2012
<b>Keynote Speaker</b> - Esser Course, Department of Plastic Surgery, Erasmus University	03/2012
<b>Presidential Invited Lecturer</b> - British Orthopaedic Association	10/2012
<b>Alumni Achievement Award</b> - Jefferson Medical College, Philadelphia, Pennsylvania	10/2013
<b>Medal of Honor</b> - French Society for Surgery of the Hand, Paris, France	2014
<b>Richard A Brand Award for Outstanding Orthopaedic Research</b> - Association of Bone and Joint Surgeons and Orthopaedic Research Society	2014
<b>Edward A Nalebuff MD Visiting Professor of Hand Surgery</b> - Tufts University School of Medicine, Boston, Massachusetts	05/2014
<b>Honorary Member</b> - Columbian Association for Hand Surgery	2015
<b>Honorary Member</b> - Italian Society for Orthopaedics and Traumatology	2015
<b>Distinguished Investigator</b> - Mayo Clinic	2018 - Present

## Previous Professional Positions and Major Appointments

<b>Associate Faculty Privileges in Orthopedic Surgery</b> - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science	- 03/1999
<b>Attending Surgeon</b> - Hand Surgery Service, University Hospital, State University of New York at Stony Brook, Stony Brook, New York	1981 - 1983
<b>Attending Surgeon</b> - Hand Surgery Service, Veterans Administration Hospital, Northport, New York	1981 - 1983
<b>Active Staff</b> - Smithtown General Hospital, Smithtown, New York	1981 - 1983
<b>Active Staff</b> - St Johns Episcopal Hospital, Smithtown, New York	1981 - 1983
<b>Clinical Assistant Professor of Orthopaedic Surgery</b> - State University of New York at Stony Brook, Stony Brook, New York	1981 - 1983
<b>Senior Associate Consultant</b> - Department of Orthopedic Surgery, Mayo Clinic, Rochester, Minnesota	11/1983 - 10/1985
<b>Assistant Professor in Orthopedics</b> - Mayo Clinic College of Medicine and Science	01/1984 - 07/1989
<b>Associate Professor in Orthopedics</b> - Mayo Clinic College of Medicine and Science	07/1989 - 07/1993
<b>Master's Faculty Privileges in Orthopedic Surgery</b> - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science	03/1999 - 03/2015
<b>Teaching/Examining Privileges in Biomedical Engineering</b> - Mayo Clinic Graduate School of Biomedical Sciences, Mayo Clinic College of Medicine and Science	09/2003 - 12/2005
<b>Associate Dean for Research Infrastructure</b> - Mayo Clinic, Rochester, Minnesota	2006 - 2011

## Professional and Community Memberships, Societies, and Services

### Professional Memberships and Services

American Academy of Orthopaedic Surgeons	
Member	01/1985 - Present
AAHS	
Member	1995 - 2003
Ad Hoc Committee on Home Study	
Member	01/1985 - 01/1987
Committee on Home Study	
Orthopaedic Knowledge Update - II	
Associate Editor	01/1987
Orthopedic Knowledge Update - IV	
Associate Editor	01/1993
Council of Musculoskeletal Specialty Societies	
Secretary	01/2000 - 01/2001
Chair-Elect	01/2001 - 01/2002
Chair	01/2002 - 01/2003
Leadership Mentor	01/2002 - 01/2007
Board of Directors	
Member	01/2001 - 01/2003
ORS	
Member	01/2006 - Present
Council on Research	
Member	01/1996 - 01/2004
Member	2007 - Present
Outcome Committee	
Member	01/1992 - Present
Vice Chair	01/1995 - 01/1996
Chair	01/1996 - 01/2001
Publications Committee	
Member	01/2006 - 2010
Research Committee	
Chair	2007 - 2011
Research Development Committee Fellow	
Chair	01/2011 - 12/2015
Task Force on Data Management	
Member	01/1996 - 01/1998
American Academy of Orthopedic Surgeons	
Chair, BOS Research Committee	2007 - 2011
ORS Delegate	2017 - 2019
American Association for Hand Surgery	
Member	01/1985 - Present
Treasurer	01/1992 - 01/1995
Vice President	01/1996 - 01/1997
President-Elect	01/1997 - 01/1998
President	01/1998 - 01/1999

Past President	01/1999 - 01/2000
Delegate	01/2000 - Present
1986 Annual Meeting, Los Angeles, CA	
Scientific Program	
Moderator	
1988 Annual Meeting, Toronto, Canada	
Clinical Presentation Session	
Moderator	
Program Committee	
Member	
1990 Annual Meeting, Boston, MA	
Program Committee	
Member	
1991 Annual Meeting, Vancouver, Canada	
Program Committee	
Chair	
1992 Annual Meeting, Washington DC	
Program Committee	
Member	
1992 Annual Meeting	
Program Committee	
Member	
1992 Difficult Soft Tissue Problems Course, Park City, UT	
Program Committee	
Co-Chair	
1992 Post-Congress Course on Difficult Problems in Hand Surgery, Vienna, Austria and Budapest, Hungary	
Co-Chair	1992
1996 Annual Meeting, Palm Springs, CA	
Program Committee	
Member	
Ad Hoc Committee on Reflex Sympathetic Dystrophy	
Chair	01/1988 - 01/1989
American Medical Association	
Delegate	01/1998 - Present
Board of Directors	
Member	01/1987 - 01/1992
Council of Musculoskeletal Specialty Societies	
Delegate	01/1998 - 01/2000
Cumulative Trauma Disorders Symposium, Cincinnati, OH, Aug 11-14, 1995	
Co-Chair	1995
Education Committee	
Chair	01/1989 - 01/1992
International Federation of Societies for Surgery of the Hand	

Delegate	01/1998 - Present
Liaison Committee	
Member	01/1988 - 01/1992
Program on Cumulative Trauma Disorders, Bloomington, MN, Aug 12-13, 1994	
Co-Chair	1994
American Association for the Advancement of Science	
Member	01/1978 - 01/2002
American Association for the History of Medicine	
Member	2005 - 2008
American Association of Clinical Anatomists	
Member	01/1984 - Present
Vice President	01/1991 - 01/1993
President-Elect	01/1993 - 01/1995
President	01/1995 - 01/1997
Past President	01/1997 - 01/1999
Board of Directors	
Member	01/1987 - 01/1989
Editorial Committee	
Member	01/1989 - Present
Journal Committee	
Chair	01/1989 - Present
Nominating Committee	
Member	01/1992 - Present
Postgraduate Course, "Anatomy and Arthroscopy", Rochester, MN, July 21, 1995	
Co-Chair	1995
Program Committee	
Member	01/1989 - Present
American College of Surgeons	
Member	01/1986 - 01/2000
Committee on Young Surgeons	
Member	01/1990 - 01/1993
Minnesota Chapter	
Young Surgeon Representative	01/1987 - 01/1988
Member	01/1987 - 01/2000
Secretary/Treasurer	01/1989 - 01/1991
Vice President	01/1991 - 01/1992
President-Elect	01/1992 - 01/1993
President	01/1993 - 01/1994
Board of Councilors	
Member	01/1988 - 01/1989
District #2 Committee on Applicants	
Member	01/1988 - 01/1991
American Foundation for Hand Therapy	

Board Member	2011 - 2016
American Foundation for Surgery of the Hand	
Member	01/1988 - Present
Mid-West Region	
Area Leader	01/1988 - 01/1990
American Medical Association	
Member	01/1974 - Present
Member, Innovator Committee	2011 - 2014
American Society for Surgery of the Hand	
Alternate Delegate	01/1998 - 01/2001
Group Practice Advisory Council	
Member	2008 - 2013
Vice Chair	2011 - 2012
Chair	2012 - 2013
Integrated Physician Practice Section	
Charter Member	2012
Chair	2013 - 2014
Governing Council	
Member	2013 - 2015
Physician Payment and Delivery Reform Committee	
Member	2011 - Present
Reference Committee G	
Member	2006 - 2014
Reference Committee K	
Chair	2009
Specialty and Service Society	
Candidate Review Committee	
Chair	2006 - 2007
Delegate from AAHS	
Delegate	2000 - Present
Chair-Elect	12/2018
Chair	12/2018 - 12/2019
Governing Council	
Member	2008 - 2013
Chair	2011 - 2012
House Business Committee	
Member	2006
Resolutions Committee	
Member	2008 - 2014
Rules Committee	
Member	2003 - 2004
American Medical Informatics Association	
Member	01/1993 - 01/2002
American Orthopaedic Association	



Member	01/1996 - 2008
American Orthopedic Association	
North American Traveling Fellow	
Coordinator	01/1996 - 01/1997
American Society for Matrix Biology	
Member	2002 - Present
American Society for Peripheral Nerve	
Member	01/1997 - Present
American Society for Surgery of the Hand	
Member	01/1984 - Present
1987 Course on Cumulative Trauma Injuries, Ann Arbor, MI	
Moderator	1987
1987 Resident and Fellows Conference, San Antonio, TX	
Program Committee	
Member	
1988 Course on Tendon Injuries, Hilton Head, SC	
Moderator	1988
1988 Resident and Fellows Conference, Baltimore, MN	
Program Committee	
Member	
1989 Annual Meeting	
Panel on Industrial Injuries	
Moderator	
1989 Residents and Fellows Conference, Seattle, WA	
Moderator	1989
Program Committee	
Member	
2000 Annual Meeting, Seattle WA	
Musculoskeletal Disorders in the Workplace Course	
Co-Chair	
American Medical Association	
Alternate Delegate	01/1998 - 01/2001
American Society for Surgery of the Hand/American Association for Hand Surgery Liaison Committee	
Member	01/1988 - Present
ASSH-AAHS Joint Symposium, Chicago, IL, Apr 12-14, 2002	
Cumulative Trauma Disorders Course	
Co-Chair	
ASSH-AAHS Joint Symposium, Oak Brook, IL, Oct 1-3, 1999	
Cumulative Trauma Disorders Course	
Co-Chair	
Comprehensive Review Course in Hand Surgery	
Program Committee	
Member	

Course and Meetings Oversight Group	
Chair	01/2000 - 01/2003
Evidence Bases Practice Committee	
Chair	2007 - 2009
Hand Therapy Committee	
Member	01/1984 - 01/1987
Chair	01/1987 - 01/1990
Industrial Injuries and Prevention Committee	
Member	01/1989 - 01/1990
Journals Committee	
Chair	01/2003 - 2007
Nominating Committee	
Member	2007 - 2009
Outcome Studies Committee	
Chair	01/1990 - 01/1998
Public Affairs Committee	
Member	01/1988 - 01/1990
Research Committee	
Member	2007 - 2011
Standards of Care Committee	
Member	01/1989 - 01/1990
American Society of Hand Therapists	
Honorary Member	2003 - Present
Australian Society for Surgery of the Hand	
Honorary Member	2006 - Present
British Society for Surgery of the Hand	
Overseas Membership	
Member	01/1993 - Present
Cochrane Collaboration	
Member	01/1995 - Present
French Society for Surgery of the Hand	
Member	01/1991 - Present
Hand Forum	
President-Elect	01/1986 - 01/1987
President	01/1987 - 01/1988
1986 Annual Meeting, Hilton Head, SC	
Course Chair	1986
1988 Annual Meeting, Park City, UT	
Course Chair	1988
Hand Rehabilitation Foundation	
Board Member	01/2003 - Present
Hand Therapy Certification Commission	
Member	01/1989 - 01/1996
Disciplinary Hearing Committee	

Member	01/1991 - 01/1996
Harvard Medical School Alumni Association	
Member	01/1975 - Present
Harvard Combined Orthopaedic Residency Program Resident Selection Committee	
Member	
Harvard University Massachusetts General Hospital Hand Club	
Member	01/1982 - Present
Healthcare Information and Management Systems Society	
Member	01/1996 - 01/1998
Healthcare Information Management Systems Society	
Member	1996 - 1998
Hungarian Society for Surgery of the Hand	
Honorary Member	01/1995 - Present
International Federation of Societies for Surgery of the Hand	
Member	01/1985 - Present
Committee on the Musician's Hand	
Chair	01/1998 - 01/2004
Implant Committee	
Member	01/1986 - 01/1988
Program Committee	
2004 Annual Meeting	
Member	01/2001 - 01/2004
International Society for the History of Medicine	
Member	2005 - 2008
International Society of Orthopaedic Surgery and Traumatology	
Member	01/1988 - Present
International Wrist Investigators Workshop	
Member	01/1985 - Present
J. Robert Gladden Society	
Member	01/2002 - Present
Japanese Society for Surgery of the Hand	
Corresponding Member	01/2001 - Present
Long Island Pediatric Orthopaedic Society	
Member	01/1982 - 01/1984
Massachusetts Medical Society	
Member	01/1975 - 01/2002
Mayo Alumni Association	
Executive Committee Member	2010 - 2019
Board Director	2010 - 2019
Secretary/Treasurer	2013 - 2019

Mid-America Orthopaedic Association	
Member	01/1987 - 01/1998
Minnesota Medical Association	
Member	01/1984 - Present
Delegate	01/1990
Delegate	01/1992
Trustee	01/1994 - 01/2000
Delegate	01/1996
Delegate	01/1997
President-Elect	01/2000 - 01/2001
President	01/2001 - 01/2002
Past President	01/2002 - 01/2003
Committee on Legislation	
Chair	01/2000 - 01/2001
Medicare Payment Advisory Commission	
Board Member	01/2002 - Present
Executive Committee Member	2003 - 2011
Executive Committee	
Member	01/2003 - Present
Policy Council	
	2014 - Present
Reference Committee	
Chair	01/1990
Zumbro Valley Medical Society	
Member	01/1984 - Present
Delegate	01/1990
Delegate	01/1992
Delegate	01/1995
Delegate	01/1997
Delegate	01/1998
Delegate	01/1999
Executive Committee	
Member	01/1990 - 01/1999
Minnesota Orthopaedic Society	
Member	01/1985 - Present
New York Academy of Sciences	
Member	01/1980 - 01/2002
New York Society for Surgery of the Hand	
Member	01/1983 - Present
New York State Medical Society	
Member	01/1981 - 01/1983
New Zealand Hand Club	
Honorary Member	2005 - Present
Orthopaedic Research and Education Foundation	

Committee on Prospective Clinical Research Grants Member	01/1995 - Present
Orthopaedic Research Society Member	01/1982 - Present
Orthopaedic Research Society, Tendon Section Chair	2016 - 2020
Orthopaedic Research Society 2003 Annual Meeting, New Orleans, LA Workshop on Animal Models of Upper Extremity Overuse Chair	
Advocacy Committee Chair	2006 - 2008
Board of Directors Member	01/2006 - 2008
Editorial Advisory Board Member	01/2006 - 2011
Program Committee Member	01/2003 - 01/2004
Pan American Medical Association Member	01/1988 - 01/1990
Performing Arts Medicine Association Member	01/1991 - Present
Prairie Hand Club President	01/1992
8th Annual Meeting, Rochester, MN Program Chair	
Romanian Society for Surgery of the Hand Honorary Member	2005 - Present
Sigma Xi, The Scientific Research Society Mayo Clinic Chapter Electoral Committee Member	01/1992 - 01/1995
Program Committee Member	01/1993 - 01/1995
Science Fair Committee Member	01/1993 - 01/1995
Southern Orthopaedic Association Member	01/1988 - 01/1995
Suffolk Pediatric Society Member	01/1982 - 01/1984
Sunderland Society Member	01/1995 - Present
The College of Physicians of Philadelphia Member	01/1985 - 01/2000

The Wound Healing Society Member	01/1991 - 01/2000
Thomas Jefferson University Jefferson Medical College James M. Hunter Portrait Presentation Ceremony Co-Chair	01/1990
Jefferson Hand Club Member	01/1980 - Present
President	01/1985 - 01/1987
Jefferson Medical College Alumni Association Hunter Portrait Committee Co-Chair	01/1989 - 01/1990
Hunter Professorship Endowment Committee Chair	
Minnesota Chapter Vice President	01/1999 - Present
Jefferson Orthopaedic Society Member	01/1980 - Present
Zumbro Valley Medical Society Legislation Committee Chair	01/1998 - 01/2001
Medical Review Committee Member	01/1989 - 01/1994
Chair	01/1990 - 01/1994

### Community Memberships and Services

Indian Health Service, Navajo Nation Volunteer Hand Surgeon	07/2008
Volunteer Hand Surgeon	04/2009
Volunteer Hand Surgeon	04/2010
Volunteer Hand Surgeon	07/2011
Volunteer Hand Surgeon	06/2012
Volunteer Hand Surgeon	06/2013
Volunteer Hand Surgeon	07/2014
Volunteer Hand Surgeon	03/2016
Volunteer Hand Surgeon	08/2017

### Study Sections

American Society for Surgery of the Hand Clinical Trials Ad Hoc Member	2006
Research Grants Ad Hoc Reviewer	2010 - 2011

Department of Defense - Congressionally Directed Medical Research Programs (CDMRP) Peer Reviewed Orthopaedic Research Program (PRORP) Orthopaedic Clinical	
Ad Hoc Member	01/2017
National Center for Advancing Translational Sciences (NCATS) Clinical and Translational Science Awards (CTSA)	
Ad Hoc Member	09/2017
National Institute of Arthritis and Musculoskeletal and Skin Diseases, Loan Repayment Program (LRP)	
Ad Hoc Member	03/2018
National Institutes for Occupational Safety & Health	
Ad Hoc Reviewer	2002
Ad Hoc Reviewer	2009
National Institutes of Health	
National Center for Advancing Translational Sciences (NIH/NCATS) Clinical and Translational Science Award (CTSA)	
Ad Hoc Member	04/2015
National Institute of Arthritis and Musculoskeletal and Skin Diseases	
Loan Repayment	
Ad Hoc Reviewer	04/2013
Musculoskeletal Tissue Engineering	
Ad Hoc Reviewer	06/2008
Ad Hoc Reviewer	09/2010
Orthopedics & Musculoskeletal Study Section	
Ad Hoc Member	11/1997 - 02/1998
Member	1999 - 2003
P30	
Ad Hoc Member	07/2009
Ad Hoc Reviewer	04/2010
P50 Score	
Ad Hoc Reviewer	01/2012
P60	
Ad Hoc Member	10/2006
Planning Grants	
Ad Hoc Member	03/2010
Ad Hoc Member Study Sections	07/2013
R34	
Chair	11/2004
RO3	
Ad Hoc Member	03/2004
SBSR	
Ad Hoc Reviewer	10/2003
Ad Hoc Member	06/2004
Ad Hoc Reviewer	03/2005
SEP	

Chair	04/2010
Training Grants	
Ad Hoc Member	03/2007
Ad Hoc Reviewer	12/2007
Ad Hoc Member	07/2012
Training Grants & Conference Grants	
Ad Hoc Member	10/2003
National Medical Research Council (Singapore)	
Ad Hoc Reviewer	04/2005
Ad Hoc Member	09/2011
Networks of Centres of Excellence Canada (NCE)	
Ad Hoc Member	07/2010
P30 National Institute of Arthritis and Musculoskeletal and Skin Diseases, National Institutes of Health	
Ad Hoc Member	06/2017
U.S. Department of Health and Human Services Agency for HealthCare Research and Quality Practice-based Comparative Effectiveness Research	
Ad Hoc Member	01/2010
United States Department of Defense Congressionally Directed Medical Research Programs Orthopaedic Clinical	
Ad Hoc Member	09/2013
Chair	10/2013
Ad Hoc Member	01/2015
Veterans Administration and Human Services Musculoskeletal	
Ad Hoc Member	08/2006
Ad Hoc Member	08/2007
Ad Hoc Member	02/2008
WorkSafe BC (Canadian Provincial Agency) Research Grants	
Ad Hoc Reviewer	09/2010

## Journal Responsibilities



**Journal Editorial Responsibilities**

Clinical Anatomy	
Contributing Editor	01/1989 - 01/1990
Associate Editor	01/1990 - Present
Hand Index	
Contributing Editor	01/1982 - 01/1987
Hand Surgery Quarterly	
Editor	01/2000 - Present
Journal of Bone and Joint Surgery (Am)	
Contributing Editor	01/1994 - Present
Journal of Hand Surgery (Am)	
Associate Editor	01/1995 - 2003
Journal of Hand Therapy	
Associate Editor	01/1997 - Present
Journal of Orthopedic Research	
Contributing Editor	01/1994 - Present
Journal of the Southern Orthopedic Association	
Associate Editor	01/1992 - 01/1996
La Main	
Associate Editor	01/1996 - Present
Medical Problems of Instrumental Musicians	
Editor	01/2000
Orthobase	
Contributing Editor	01/1983 - 01/1987
Orthopedic Index	
Contributing Editor	01/1982 - 01/1987
The Journal of Orthopaedic Science	
Associate Editor	2003 - Present
Yearbook of Hand Surgery	
Contributing Editor	01/1985 - 01/1986
Assistant Editor	01/1987 - 01/1991
Contributing Editor	01/2001
Yearbook of Orthopedics	
Contributing Editor	01/1985 - 01/1988

**Educational Activities****Curriculum and Course Development**

Responsible for re-organization and coordination of orthopedic fracture conferences, orthopedic grand rounds and all hand surgery teaching conferences Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1984 - 01/1988
Revision of hand surgery syllabus Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1984 - 01/1988

Preparation of hand surgery related patient information brochures Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1984 - 01/1988
Hand surgery consultation to Mayo Clinic Health Letter Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1984 - 01/1988
Organization and supervision of large vessel vascular surgery laboratory experience for orthopedic residents Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1984 - 01/1988
Wrist Fractures and Instability. Instructional Course AAHS Annual Meeting Los Angeles, California	1986
Responsible for organization of all resident and fellow education in section of hand surgery Mayo Medical School, Department of Orthopedics Rochester, Minnesota	01/1986 - 01/1996
Chronic Wrist Pain. Instructional Course ASSH Resident and Fellows Conference San Antonio, Texas	1987
Chronic Wrist Pain. Instructional Course ASSH Annual Meeting Baltimore, Maryland	1988
State of the Art of Bone Repair. Instructional Course AAHS Annual Meeting Toronto, Ontario	1988
Wrist Pain. Instructional Course ASSH Annual Meeting Seattle, Washington	1989
Modern Management of Fractures. Instructional Course AAHS Annual Meeting San Francisco, California	1989
Industrial Injuries. Instructional Course ASSH Annual Meeting Toronto, Ontario	1990
Wrist Arthroscopy. Instructional Course AAHS Annual Meeting Boston, Massachusetts	1990
Industrial Injuries. Instructional Course ASSH Annual Meeting Orlando, Florida	1991
Work Injuries. Instructional Course AAHS Annual Meeting Washington, District of Columbia	1992
Outcomes Research. Instructional Course ASSH Annual Meeting Kansas City, Kansas	1993

Ulnar Nerve Problems. Instructional Course AAHS Annual Meeting Cancun, Mexico	1993
CTS. Instructional Course AAOS Annual Meeting New Orleans, Louisiana	1994
Peripheral Nerve Compression Syndrome. Instructional Course AAHS Marco Island, Florida	1995
Cumulative Trauma Disorders. Instructional Course AHS Annual Meeting Palm Springs, California	1996
Outcomes Research: Getting Started. Instructional Course ASSH Annual Meeting Denver, Colorado	1997
Outcomes Research: The Next Generation. Instructional Course ASSH Annual Meeting Minneapolis, Minnesota	1998
The Role of the AAOS in Outcomes Research. AAOS Outcomes Course Long Beach, California	02/2000
Regional Outcomes Instruments. AAOS Outcomes Course Long Beach, California	02/2000
Chronic Perilunate Dislocations. ASSH Wrist Course Rochester, Minnesota	04/2001
Classification of Triangular Fibrocartilage Complex Injuries. ASSH Wrist Arthroscopy Course Rochester, Minnesota	05/2002
Flexor Tendon Healing. Philadelphia Wrist Course Philadelphia, Pennsylvania	03/2007
Clinical and Imaging Evaluation of the Wrist. Philadelphia Wrist Course Philadelphia, Pennsylvania	03/2007
Wrist Operations I No Longer Do. Mayo Wrist Course Mayo Clinic	05/2007
Basic Science Investigators' Workshop Chair ASSH Annual Meeting Seattle, Washington	09/2007
Instructional Course on Tendon Surgery 46th Annual Meeting of Societa Italiana di chirurgia della mano Trapani, Italy	09/2008

Basic Science Investigators' Workshop Chair ASSH Annual Meeting San Francisco, California	09/2009
Symposium on Young Clinical Investigators Chair and organizer ORS Annual Meeting Long Beach, California	2011
Symposium Leader, Tendon Surgery - Bench to Bedside Gordon Research Conference Andover, New Hampshire	08/2012
Debate on the Use of Electrodiagnostic Testing in Carpal Tunnel Syndrome Chair and organizer AAHS Annual Meeting Las Vegas, Nevada	11/2012
68th Biennial Meeting Program Co-chair Mayo Alumni Association	09/2013
Young Investigators' Symposium Program co-chair Mayo Clinic	03/2014
International Meeting Program Co-Chair Mayo Alumni Association Dublin, Ireland	09/2014
Inaugural Meeting Program Co-Chair Mayo Orthopedic Research Alumni Rochester, Minnesota	08/2015
69th Biennial Meeting Program Co-Chair Mayo Alumni Association Scottsdale, Arizona	10/2015

### Teaching Intramural

Orthopedic Critical Pathways Mayo Medical Laboratory Symposium on Quality Improvement Rochester, Minnesota	
Chondromalacia of the Patella Orthopaedic Grand Rounds Peter Bent Brigham Hospital Boston, Massachusetts	1976
Surgery of the Rheumatoid Thumb Orthopaedic Grand Rounds Massachusetts General Hospital Boston, Massachusetts	1978

Examination of the Hand Orthopaedic Grand Rounds Thomas Jefferson University Hospital Philadelphia, Pennsylvania	1980
Compression Syndromes of the Median Nerve Orthopaedic Grand Rounds Thomas Jefferson University Hospital Philadelphia, Pennsylvania	1980
Total Elbow Replacement - Update Orthopaedic Grand Rounds Thomas Jefferson University Hospital Philadelphia, Pennsylvania	1980
Surgery of the Thumb in Osteoarthritis Orthopaedic Grand Rounds Thomas Jefferson University Hospital Philadelphia, Pennsylvania	1981
Flexor Tendon Surgery Orthopaedic Grand Rounds Thomas Jefferson University Hospital Philadelphia, Pennsylvania	1981
Nutritional Aspects of Flexor Tendon Healing Connective Tissue Grand Rounds Medical College of Virginia Richmond, Virginia	1982
Newer Concepts of Tendon Healing Hand Seminar Mayo Clinic Rochester, Minnesota	1983
Pathophysiology of Tendon Injuries Orthopedic Resident Basic Science Lecture Series Mayo Clinic Rochester, Minnesota	1984 - Present
Pathophysiology of Nerve Injuries Orthopedic Resident Basic Science Lecture Series Mayo Clinic Rochester, Minnesota	1984 - Present
Microenvironments in Digital Flexor Tendons ABC Traveling Fellows Mayo Clinic Rochester, Minnesota	1984
Scaphoid Fractures Fracture Conference Mayo Clinic Rochester, Minnesota	1984
Anatomy of the Upper Extremity Laboratory Laboratory and Lecture Mayo Clinic Hand Therapy Study Group Rochester, Minnesota	1984

Overview of Flexor Tendon Injuries Orthopaedic Conference Mayo Clinic Rochester, Minnesota	1984
Pain Dysfunction Syndrome Weekly Clinical Conference St Francis Hospital La Crosse, Wisconsin	1984
Reconstructive Surgery in Rheumatoid Arthritis Association of Operating Room Nurses' Workshop St Marys Hospital Rochester, Minnesota	1985
Compression Neuropathy of the Ulnar Nerve Orthopedic Conference Mayo Clinic Rochester, Minnesota	1985
Flexor Tendon Reconstruction Orthopedic Grand Rounds Mayo Clinic Rochester, Minnesota	1985
Reconstructive Surgery in Osteoarthritis Plastic Surgery Teaching Conference Mayo Clinic Rochester, Minnesota	1985
Flexor Tendon Surgery Plastic Surgery Teaching Conference Mayo Clinic Rochester, Minnesota	1985
Rheumatology Teaching Conference Mayo Clinic Rochester, Minnesota	1985
Current Concepts of Tendon Healing ABC Traveling Fellows Visit Mayo Clinic Rochester, Minnesota	1986
Complicated Forearm Fractures Fracture Conference Mayo Clinic Rochester, Minnesota	1986
Pain Dysfunction Syndromes Hand Conference Mayo Clinic Rochester, Minnesota	1986
The Quadriplegic Hand Prosthetics Course Mayo Clinic Rochester, Minnesota	1986

Contact Injuries of the Upper Extremity Sports Injury Conference Mayo Clinic Rochester, Minnesota	1986
Hand Fractures Trauma Conference Mayo Clinic Rochester, Minnesota	1986
Common Hand Fractures Mayo Medical School Rochester, Minnesota	1987
Biomechanics of Tendon Healing Biomechanics Conference Mayo Clinic Rochester, Minnesota	1987
Perilunate Dislocations Fracture Conference Mayo Clinic Rochester, Minnesota	1987
Wound Healing Hand Therapy Symposium Mayo Clinic Rochester, Minnesota	1987
Replantation Hand Therapy Symposium Mayo Clinic Rochester, Minnesota	1987
Classification of Wrist Instabilities Orthopedic Conference Mayo Clinic Rochester, Minnesota	1987
Tendon Transfers in Quadriplegia Prosthetics Course Mayo Clinic Rochester, Minnesota	1987
Fractures of the Hand and Wrist Trauma Conference Mayo Clinic Rochester, Minnesota	1987
Mock Boards, Section of Plastic Surgery Examiner Mayo Medical School Rochester, Minnesota	01/1987 - 01/1989
Fractures of the Distal Radius Fracture Conference Mayo Clinic Rochester, Minnesota	1988
Tendon Transfers in Quadriplegia Orthopedic Trauma Course Mayo Clinic Rochester, Minnesota	1988

Hand and Wrist Fractures Orthopedic Trauma Course Mayo Clinic Rochester, Minnesota	1988
Surgical Reconstruction of the Upper Extremity for Quadriplegic Patients Spinal Cord Injury Symposium Mayo Clinic Rochester, Minnesota	1988
Treatment of the Quadriplegic Hand Prosthetics Course Mayo Clinic Rochester, Minnesota	1989 - Present
Wolff's Law of Soft Tissue Biomechanics Laboratory Mayo Clinic Rochester, Minnesota	1989
Colles Fractures Fracture Conference Mayo Clinic Rochester, Minnesota	1989
Carpal Instability Fracture Conference Mayo Clinic Rochester, Minnesota	1989
Pain Dysfunction Syndromes Mayo Clinical Reviews Mayo Clinic Rochester, Minnesota	1989
Pain Dysfunction Syndromes Mayo Hand Club Annual Meeting Mayo Clinic Rochester, Minnesota	1989
Macrodactyly Orthopedic Conference Mayo Clinic Rochester, Minnesota	1989
Department of Orthopedics Quality Assurance Plan and Program A Quality Assurance Program Overview and Education Mayo Clinic Rochester, Minnesota	1990
The Many Faces of Carpal Tunnel Syndrome Mayo Clinical Reviews Mayo Clinic Rochester, Minnesota	1990
Tendon Transfers for Quadriplegia Mayo Clinical Reviews Mayo Clinic Rochester, Minnesota	1990



Hand Tumors Orthopedic Conference Mayo Clinic Rochester, Minnesota	1990
Phalangeal Fractures Orthopedic Fracture Conference Mayo Clinic Rochester, Minnesota	1990
Quality Assurance Surgical Service Conference St Marys Hospital Rochester, Minnesota	1990
Understanding Carpal Instability Biomechanics Conference Mayo Clinic Rochester, Minnesota	1991
Hand Arthroplasty Update Department of Physical Medicine and Rehabilitation Mayo Clinic Rochester, Minnesota	1991
Carpal Tunnel Syndrome Mayo Dental Reviews Mayo Clinic Rochester, Minnesota	1991
Biology of Tendon Healing Biomechanics Conference Mayo Clinic Rochester, Minnesota	1992
Outcomes Research: What Is It? Does It Matter? How Does It Affect Me? Clinical Reviews Mayo Clinic Rochester, Minnesota	1992
Continuous Quality Improvement Mayo Clinic Administrative Supervisors Mayo Clinic Rochester, Minnesota	1992
Continuous Quality Improvement Mayo Clinic Clinical Department Chairs Mayo Clinic Rochester, Minnesota	1992
Outcomes Research in Orthopedics Biomechanics Conference Mayo Clinic Rochester, Minnesota	1993
Mayo's Involvement with a Peripheral Nerve Entrapment Syndrome Mayo Foundation History of Medicine Lecture Series Mayo Clinic Rochester, Minnesota	1994

Management of Chronic Pain Orthopedic Grand Rounds Brown University Providence, Rhode Island	1994
Office Management of Common Hand Problems Mayo Clinic Reviews Mayo Clinic Rochester, Minnesota	1995
Outcomes Measurement in the Upper Extremity Mayo Combined Hand/Sports Conference Mayo Clinic Rochester, Minnesota	1995
Tendon Healing Mayo Hand Therapy Seminar Mayo Clinic Rochester, Minnesota	1996
Colles Fractures Orthopedic Fracture Conference Mayo Clinic Rochester, Minnesota	1998
Proximal Row Carpectomy Mayo Upper Extremity Trauma Symposium Phoenix, Arizona	04/2000
Proximal Row Carpectomy. Mayo Upper Extremity Trauma Symposium, Phoenix, Arizona	04/2000
Osteoporosis and the Orthopaedic Surgeon Orthopedic Grand Rounds Mayo Clinic Rochester, Minnesota	08/2000
Hand Tumors Grand Rounds University of Minnesota Minneapolis, Minnesota	2001
A Day in the ETU Orthopedic Grand Rounds Mayo Clinic Rochester, Minnesota	2001
The Many Faces of Carpal Tunnel Syndrome Dental Reviews Mayo Clinic Rochester, Minnesota	03/2001
Hand Surgery Hands On Laboratory for Emergency Medicine Residents Mayo Clinic Rochester, Minnesota	2002
Management of Hand Tumors Orthopaedic Grand Rounds Loyola University Chicago, Illinois	2003

Chronic Pain in the Hand and Arm Orthopaedic Grand Rounds Loyola University Chicago, Illinois	2003
Pathophysiology of Carpal Tunnel Syndrome University of Mississippi Jackson, Mississippi	2004
Complications of Treatment of the DRUJ. Mayo Clinic Update: Trauma of the Upper Extremity Scottsdale, Arizona	04/2004
Role of Adjuvant Treatment of Distal Radius Fractures. Mayo Clinic Update: Trauma of the Upper Extremity Scottsdale, Arizona	04/2004
Culturally Competent Orthopedic Care. Orthopedic Grand Rounds Mayo Clinic	10/2004
Hand Problems in Musicians University of Minnesota	04/2005
History of Mayo Clinic Jewish Hospital Louisville, Kentucky	05/2005
New Concepts of Carpal Instability Northwestern University	10/2007
Operations I No Longer Do. Mayo Clinic	2008
From Bedside to Bench and Back again University of Rochester New York	2010
Wrist Operations I No Longer Do. Mayo Clinic Rochester, Minnesota	05/2010
Fusion to Treat Scapholunate Dissociation. Disorders of the Wrist. Mayo Clinic Rochester, Minnesota	05/2010
Tissue Engineering and Tendon Surgery Mayo Clinic	2011
Tissue Engineering and Tendon Surgery John Peter Smith Hospital, Fort Worth Texas	2011
Practice Guidelines in Orthopedic Surgery: Are They Worth the effort? Health Sciences Research Mayo Clinic	2011
Subsynovial Connective Tissue: The Cause of Carpal Tunnel Syndrome CTSA Mayo Clinic	2011
How to Conduct Successful Clinical Trials Mayo Clinic	2011
Tendon Surgery Update Albany Medical College	2012
Anatomy of hand rehabilitation University of Padua, Padua, Italy	2012

Flexor tendon regeneration. Plastic surgery grand rounds Stanford University, Palo Alto, CA	2012
Carpal tunnel syndrome: A new paradigm. Orthopedic grand rounds. Stanford University, Palo Alto, CA	2012
Scapholunate dissociation Mayo Wrist Course Rochester, Minnesota	05/2013

### Mentorship

Abdel, Matthew (Masters Student)

**Description:**

**Current Status:** Mayo Clinic Rochester, MN

**Outcome:**

Atroschi, Isam (PhD Candidate)

**Description:**

**Current Status:** University of Lund, Sweden

**Outcome:**

Gelfman, Russell (Masters Student)

**Description:**

**Current Status:** Mayo Clinic Rochester

**Outcome:**

Korstanje, Jan-Wiebe (PhD Candidate)

**Description:**

**Current Status:** Erasmus University Rotterdam, Netherlands

**Outcome:**

Morrey, Mark (Masters Student)

**Description:**

**Current Status:** Mayo Clinic Rochester

**Outcome:**

Rhee, Peter (Masters Student)

**Description:**

**Current Status:** Mayo Clinic Rochester, MN

**Outcome:**

Spinner, Robert (Medical Student)

01/1985 - Present

**Description:**

**Current Status:** Professor of Neurosurgery, Orthopedic Surgery and Anatomy,  
Chair, Department of Neurosurgery, Mayo Clinic, Rochester, MN

**Outcome:**

Okuda, Yoshiki (Research Fellow)

01/1986 - 01/1987

**Description:**

**Current Status:** Assistant Professor of Orthopedics, Kyoto Prefectural University,  
Kyoto, Japan; Orthopedic Surgeon, Kobe, Japan

**Outcome:**

Nessler, Joseph (Orthopedic Resident)

01/1987 - 01/1988

**Description:**

**Current Status:** Staff Orthopedic Surgeon, St Cloud, MN

**Outcome:**

Lin, Gau-Tyan (Research Fellow)	01/1988 - 01/1990
<b>Description:</b>	
<b>Current Status:</b> Staff Orthopedic Surgeon, Chief, Hand Surgery Service, Kiaosiung Medical University, Kiaosiung, TAIWAN, Past President, Taiwan Hand Society	
<b>Outcome:</b>	
Berger, Richard (Junior Faculty)	01/1992
<b>Description:</b> Hand Fellow, Junior Faculty 1992	
<b>Current Status:</b> Professor of Orthopedic Surgery, Mayo Clinic, Rochester, MN Dean, CME programs, Mayo Foundation	
<b>Outcome:</b>	
Coert, Henk (Medical Student)	01/1992
<b>Description:</b>	
<b>Current Status:</b> Professor and Chair, Department of Plastic Surgery, Utrecht University, Utrecht, NETHERLANDS	
<b>Outcome:</b>	
Uchiyama, Shigeharu (Research Fellow)	01/1994 - 01/1996
<b>Description:</b>	
<b>Current Status:</b> Staff Surgeon, Associate professor of Orthopaedic Surgery, Shinshu University, Matsumoto, JAPAN	
<b>Outcome:</b>	
Zhao, Chunfeng (Research Fellow)	01/1995 - 01/2000
<b>Description:</b> Research fellow 1995-2000<>Research Associate 2000-2003<>Professional Associate in Research 2003-2011	
<b>Current Status:</b> Professor of Orthopedic Surgery and Biomedical Engineering, Mayo Clinic, Rochester, MN	
<b>Outcome:</b>	
Nishida, Jun (Research Fellow)	01/1996 - 01/1998
<b>Description:</b>	
<b>Current Status:</b> Associate Professor of Orthopaedic Surgery, Iwate University, Morioka Japan	
<b>Outcome:</b>	
Momose, Toshimitsu (Research Fellow)	01/1998 - 01/2000
<b>Description:</b>	
<b>Current Status:</b> Staff Surgeon, Assistant Professor of Orthopaedic Surgery, Matsumoto University, Matsumoto, Japan	
<b>Outcome:</b>	
Erhard, Lionel (Research Fellow)	01/2000 - 01/2001
<b>Description:</b>	
<b>Current Status:</b> Chef de Clinique en orthopédie, Lyons, France	
<b>Outcome:</b>	
Paillard, Philippe (Research Fellow)	01/2000 - 01/2001
<b>Description:</b>	
<b>Current Status:</b> Orthopedic Surgeon, Paris, France	
<b>Outcome:</b>	
Gay, Ralph (Masters Student)	01/2000 - 01/2003
<b>Description:</b> MS Candidate	
<b>Current Status:</b> Associate Professor of PMR, Mayo Clinic	
<b>Outcome:</b>	

Houwink, Aletta (MD)	01/2001
<b>Description:</b>	
<b>Current Status:</b> Resident Anesthesiology at St.Antonius Nieuwegein Netherlands, Amsterdam, Netherlands	
<b>Outcome:</b>	
Ettema, Anke (Medical Student)	01/2001 - 01/2002
<b>Description:</b>	
<b>Current Status:</b> PhD, Erasmus University, Rotterdam, Netherlands. Current staff in Maxillofacial Surgery, Nijmegen, NETHERLANDS	
<b>Outcome:</b>	
Tanaka, Tatsuro (Research Fellow)	01/2001 - 01/2003
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor of Orthopedic Surgery, Kumamoto University, Kumamoto, JAPAN	
<b>Outcome:</b>	
Tanaka, Tetsu (Research Fellow)	01/2001 - 01/2003
<b>Description:</b>	
<b>Current Status:</b> Current fellow	
<b>Outcome:</b>	
Yang, Chao (Research Fellow)	01/2001 - 01/2003
<b>Description:</b>	
<b>Current Status:</b> Current fellow, Research Fellow, University of MN	
<b>Outcome:</b>	
Tanaka, Toshikazu (Research Fellow)	07/2001 - 10/2003
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor of Orthopaedic Surgery, University of Tsukuba, Tsukuba, JAPAN	
<b>Outcome:</b>	
Shin, Richard (Ph.D)	01/2002 - 01/2003
<b>Description:</b>	
<b>Current Status:</b> PhD in Biomedical Engineering	
<b>Outcome:</b>	
Kutsumi, Keiji (Research Fellow)	01/2002 - 01/2004
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor of Orthopedic Surgery, Hokkaido University, Hokkaido, JAPAN	
<b>Outcome:</b>	
Oh, Jinrok (Research Fellow)	01/2002 - 01/2004
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor, Yonsei University, Seoul, South Korea. Chief of Orthopaedic Surgery, Wonju Christian Hospital, Seoul, KOREA	
<b>Outcome:</b>	
Tsubone, Tetsuro (Research Fellow)	01/2002 - 01/2004
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor, Yamaguchi University, Yamaguchi, Japan	
<b>Outcome:</b>	
Fisher, Amanda (Summer Student)	01/2003
<b>Description:</b>	
<b>Current Status:</b> Graduate student, University of Cincinnati	
<b>Outcome:</b>	

Hee Han, Eun (Summer Student)	01/2003 - 01/2004
<b>Description:</b>	
<b>Current Status:</b> Graduate student, University of California, San Diego	
<b>Outcome:</b>	
Wilson, Robert (Fellow)	01/2003 - 01/2004
<b>Description:</b> AAOS Leadership Fellow	
<b>Current Status:</b> Associate Professor of Orthopaedic Surgery, Howard University, Washington, DC	
<b>Outcome:</b>	
Berschback, John (Summer Student)	01/2004
<b>Description:</b>	
<b>Current Status:</b> Orthopaedic surgeon, Marshfield Clinic, Eau Claire, WI	
<b>Outcome:</b>	
Chen, Meng-Yi (Research Fellow)	01/2004 - 01/2005
<b>Description:</b>	
<b>Current Status:</b> Hand Surgeon, Taipei, Taiwan	
<b>Outcome:</b>	
Oh, Sangho (Research Fellow)	01/2004 - 01/2005
<b>Description:</b>	
<b>Current Status:</b> Physiatrist, Pusan, South Korea	
<b>Outcome:</b>	
Payne, William (Fellow)	01/2004 - 01/2005
<b>Description:</b> AAOS Leadership Fellow	
<b>Current Status:</b> Spine Surgeon, Chicago, IL	
<b>Outcome:</b>	
Bensamoun, Sabine (Research Fellow)	01/2004 - 01/2006
<b>Description:</b>	
<b>Current Status:</b> Research scientist, CNRS, Compiègne, FRANCE	
<b>Outcome:</b>	
Sun, Yulong (Research Associate)	01/2004 - 01/2012
<b>Description:</b>	
<b>Current Status:</b> Assistant professor of orthopedic surgery, Mayo Clinic, Rochester, MN	
<b>Outcome:</b>	
Taguchi, Manabu (Research Fellow)	08/2004 - 03/2007
<b>Description:</b>	
<b>Current Status:</b> Assistant professor of Orthopaedic Surgery, Kumamoto University, Kumamoto, Japan	
<b>Outcome:</b>	
Gomero-Cure, Wadi (Summer Student)	01/2005
<b>Description:</b>	
<b>Current Status:</b> Washington Hospital Center General Surgery Residency (2008 - current)	
<b>Outcome:</b>	
Benson, Leon (Fellow)	01/2005 - 01/2006
<b>Description:</b> AAOS Leadership Fellow	
<b>Current Status:</b> Hand Surgeon, Evanston, IL	
<b>Outcome:</b>	

Parker, Wendy (Fellow)	01/2005 - 01/2006
<b>Description:</b>	
<b>Current Status:</b> Hand Surgeon, Scott and White Clinic, Temple, TX	
<b>Outcome:</b>	
Yamaguchi, Taihei (Research Fellow)	01/2005 - 01/2006
<b>Description:</b>	
<b>Current Status:</b> Assistant Professor of Orthopaedic Surgery, Nihon University, Tokyo Japan	
<b>Outcome:</b>	
Osamura, Naoki (Research Fellow)	04/2005 - 09/2006
<b>Description:</b>	
<b>Current Status:</b> Orthopedic Surgeon, Sapporo, Japan	
<b>Outcome:</b>	
Anakwenze, Okechukwu (Medical Student)	01/2006 - 01/2007
<b>Description:</b>	
<b>Current Status:</b> Orthopedic Surgeon, University of Pennsylvania	
<b>Outcome:</b>	
Yuichi, Yoshii (Research Fellow)	01/2006 - 01/2008
<b>Description:</b>	
<b>Current Status:</b> Associate Professor of Orthopaedic Surgery, Tokyo Medical University, JAPAN	
<b>Outcome:</b>	
Silva, Jose (Medical Student)	01/2007
<b>Description:</b>	
<b>Current Status:</b> Current student, University of Minnesota	
<b>Outcome:</b>	
Henderson, Jacqueline (Postdoctoral Fellow)	01/2007 - 01/2008
<b>Description:</b>	
<b>Current Status:</b> Instructor in Biomedical Engineering, Bradley University, Peoria, IL	
<b>Outcome:</b>	
Tung, Wenlin (Ph.D. Student)	01/2007 - 01/2008
<b>Description:</b>	
<b>Current Status:</b> Physiotherapist, Tokyo, Japan	
<b>Outcome:</b>	
Ikeda, Jun (Postdoctoral Fellow)	01/2007 - 01/2009
<b>Description:</b>	
<b>Current Status:</b> Professor of Orthopaedic Surgery, Tokyo Medical University, Tokyo, JAPAN, Past President, Eastern Japan SSH	
<b>Outcome:</b>	
Berry, Brent (Medical Student)	01/2008 - 01/2009
<b>Description:</b>	
<b>Current Status:</b> Medical Student, University of Minnesota	
<b>Outcome:</b>	
Sassoon, Adam (Masters Student)	01/2008 - 01/2009
<b>Description:</b>	
<b>Current Status:</b> Orthopedic Resident, Mayo Clinic	
<b>Outcome:</b>	



van Doesburg, Margriet (Ph.D) <b>Description:</b> <b>Current Status:</b> Hand Fellow, Amsterdam, NETHERLANDS <b>Outcome:</b>	01/2008 - 01/2009
Moriya, Tamami (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Assistant Professor of Orthopedic Surgery, Hokkaido University, Sapporo, JAPAN <b>Outcome:</b>	01/2008 - 01/2010
Hayashi, Masanori (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Orthopedic Surgeon, Shinsu University, Matsumoto, JAPAN <b>Outcome:</b>	01/2008 - 01/2011
Hernandez, Roberto (Medical Student) <b>Description:</b> <b>Current Status:</b> Orthopedic Surgeon, University of Puerto Rico <b>Outcome:</b>	01/2009
Kohrs, Ross (Undergraduate Student) <b>Description:</b> <b>Current Status:</b> Student, Purdue University <b>Outcome:</b>	01/2009
Trousdale, Eleanor (Undergraduate Student) <b>Description:</b> <b>Current Status:</b> Anesthesia Resident, Mayo Clinic <b>Outcome:</b>	01/2009
Villarraga, Hector (Clinician) <b>Description:</b> <b>Current Status:</b> Informal mentee/collaborator, Assistant Professor of Cardiology, Mayo Clinic <b>Outcome:</b>	01/2009
Morizaki, Yutaka (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Orthopedic Surgeon, Tokyo University, Tokyo, JAPAN <b>Outcome:</b>	01/2009 - 01/2010
Kohn, Mark (Undergraduate Student) <b>Description:</b> <b>Current Status:</b> Student, University of California at Berkeley <b>Outcome:</b>	01/2010
Reuvers, John (Undergraduate Student) <b>Description:</b> <b>Current Status:</b> Student, Iowa State University <b>Outcome:</b>	01/2010
Vanhees, Matthias (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Hand Surgeon, University of Antwerp, BELGIUM <b>Outcome:</b>	01/2010 - 01/2011
Chikenji, Takako (Ph.D) <b>Description:</b> <b>Current Status:</b> Assistant Professor of Physical Therapy, Sapporo University, JAPAN <b>Outcome:</b>	01/2010 - 01/2012

Davis, Caleb (Summer Student) <b>Description:</b> <b>Current Status:</b> Student, Texas A&M <b>Outcome:</b>	01/2011
Parimi, Manoj (Undergraduate Student) <b>Description:</b> <b>Current Status:</b> Student, Akron University <b>Outcome:</b>	01/2011
Ozasa, Yasuhiro (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Current Fellow <b>Outcome:</b>	01/2011 - 01/2013
Yang, Tai-Hua (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Assistant Professor, National Chankung Universtiy, Taipei, Taiwan <b>Outcome:</b>	01/2011 - 01/2013
Filius, Anika (Ph.D) <b>Description:</b> <b>Current Status:</b> Anesthesiology Resident, Erasmus University, Rotterdam, Netherlands <b>Outcome:</b>	01/2012 - 01/2013
Wang, Yuexiang (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Postdoc fellow in PMR, Mayo Clinic <b>Outcome:</b>	01/2012 - 01/2013
Gingery, Anne (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> <b>Outcome:</b>	01/2012 - 01/2014
Evers, Stefanie (PhD Candidate) <b>Description:</b> <b>Current Status:</b> Erasmus University, Rotterdam, Netherlands <b>Outcome:</b>	01/2014 - Present
Gingery, Anne (Research Associate) <b>Description:</b> <b>Current Status:</b> Assistant Professor of Orthopedic Surgery and Research Associate, Mayo Clinic <b>Outcome:</b>	01/2014 - Present
Uehara, Kosuke (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Orthopedic Surgeon, Tokyo, Japan <b>Outcome:</b>	01/2014 - 01/2015
Schrier, Verena <b>Description:</b> Current Student <b>Current Status:</b> Erasmus University, Rotterdam, Netherlands <b>Outcome:</b>	12/2016 - Present
Mimata, Yoshiikuni (Postdoctoral Fellow) <b>Description:</b> <b>Current Status:</b> Orthopedic Surgeon, Tokyo, Japan <b>Outcome:</b>	01/2017 - Present

Yamanaka, Yoshiaki (Postdoctoral Fellow)

01/2017 - Present

**Description:**

**Current Status:** Orthopedic Surgeon, Tokyo, Japan

**Outcome:**

**Institutional/Departmental Administrative Responsibilities, Committee Memberships and Other Activities**

**Mayo Clinic**

Department of Defense Medical Research Office

Medical Director

2013 - Present

Department of Education Administration

Mayo Clinic College of Medicine

Mayo Medical School

Admissions Committee

Member

01/1984 - 01/1987

Vice Chair

01/1986 - 01/1987

Foundation Surgical Systems Oversight Committee

Member

2004 - Present

Chair

2006 - 2008

Immanuel-St. Joseph's Hospital Network

Board of Directors

2004 - 2010

Mayo Clinic Center for Health Policy

Member

2006 - 2010

Mayo Clinic Committees

Foundation Internet Coordinating Subcommittee

Chair

01/2001 - 2004

Institutional Review Board

Member

2002 - 2005

Mayo Institutional Clinical Data Respository Steering Committee

Chair

01/2001 - Present

Quality Steering Committee

Member

01/1991 - 01/1992

Mayo Clinic Office of Information Security

Medical Director

2013 - Present

Mayo Clinic Security Committee

Vice Chair

2013 - Present

Network Renewal Oversight Committee

Chair

2014 - Present

Chair

2014 - Present

Officers and Councilors of Mayo Clinic

Secretary

2014 - 2016

Security Council

Vice Chair

2013

**Mayo Clinic in Rochester**

Data Center Task Force	
Chair	2010 - 2013
Department of Orthopedic Surgery	
Balfour Award Selection Committee	
Member	2007 - 2008
Biomechanics Director Search Committee Chair	
Biomechanical Unit Representative	2013 - 2015
Coventry Award Selection Committee	
Member	01/1988 - 01/1992
Division of Orthopedic Research	
Chair	2005 - Present
Education Committee	
Member	01/1984 - 01/1988
Executive Committee	
Member	01/1997 - 01/1998
Member	2005 - Present
Expense Management Committee	
Chair	01/1997 - 2005
Finance Committee	
Member	01/1988 - 01/1990
Member	01/1992 - 01/1997
Hand Surgery Education Committee	
Chair	01/1988 - 01/1996
Implant Committee	
Member	01/1988 - 01/1990
Kelly Award Selection Committee	
Member	01/1990 - 01/1993
Chair	2005 - Present
Quality Assurance Committee	
Member	01/1989 - Present
Chair	01/1989 - 01/1991
Regenerative Medicine Search Committee	
Chair	2010 - 2012
Research	
Vice Chair	2005 - Present
Research Committee	
Member	01/1984 - 01/1990
Chair	2005 - Present
Research Professor Search Committee	
Member	01/1986 - 01/1987
Chair	2005 - 2007
Resident Selection Committee	
Member	01/1985 - 01/1988
Facilities Master Planning Steering Committee	

Member	2008 - 2010
Foundation Workstation Oversight Subcommittee	
Chair	2009 - Present
Hight Availability/Disaster Recovery Task Force	
Member	2008 - 2009
Mayo Clinic Rochester Committees	
Continuous Improvement Steering Committee	
Member	01/1992 - 01/1994
Decision Support Steering Committee	
Chair	01/1993 - 01/2001
Decision Support System Task Force Committee	
Chair	01/1992 - 01/1993
Health Services Evaluation Committee	
Member	01/1992 - 01/1994
Infection Committee	
Member	01/1987 - 01/1988
Information Infrastructure Committee	
Member	01/1994 - 01/2001
Information Infrastructure Policy Committee	
Chair	01/1996 - 01/2001
Information Systems Management Committee	
Member	01/1993 - Present
Chair	01/1995 - 01/1996
Information Technology Committee - Rochester	
Member	01/1996 - 01/2001
Inter-disciplinary Spinal Cord Injury Committee	
Member	01/1987 - 01/1993
International Activities Coordinating Committee	
Member	01/1997 - 01/2002
Canada	
International Coordinator	01/1998 - 01/2003
Mayo Clinic Rochester - Executive Board	
Research Committee	
Research Infrastructure Subcommittee	
Associate Director	01/2006 - Present
Mayo Integrated Clinical Systems Committee (MICS)	
Member	01/1996 - Present
Outpatient Surgical Committee	
Member	01/1991 - 01/1994
Quality Assurance Committee	
Member	01/1989 - 01/1992
Vice Chair	01/1991
Chair	01/1992
Executive Committee	

Member	01/1990 - 01/1992
Institutional Screen Subcommittee	
Member	01/1989 - 01/1990
Review Subcommittee	
Chair	01/1990
Quality Improvement Committee	
Co-Chair	01/1991 - 01/1992
Sentinel Event Review Committee	
Member	2006
Spinal Cord Injury Upper Extremity Reconstruction Committee	
Member	01/1985 - 01/1995
Mayo Clinic Rochester Task Forces	
Electronic Medical Record Coordinating Task Force	
Member	01/1992 - 01/1995
Health Fitness Task Force	
Member	01/1987 - 01/1988
Outcome Assessment Task Force	
Member	01/1992 - 01/1993
Mayo Clinic Rochester Workgroups	
Rochester Electronic Environment Council	
Member	01/1994 - 01/1996
Microarray Core Director Search Committee	
Member	2007
Research Core Facility Oversight Committee	
Member	2008 - Present
Research Space and Capital Appropriations Committee	
Chair	2006 - Present
Rochester Facilities Committee	
Member	2007 - Present
Saint Marys Hospital	
Orthopedic Surgery	
Coordinator	01/1987 - 01/1988
Outpatient Surgery Committee	
Member	01/1985 - 01/1991

## Presentations Extramural

### National or International

#### Invited

From bedside to bench and back again. Grand rounds.  
University of Rochester, Dept of Orthopaedic surgery  
Rochester, New York

Continuous Improvement of Medical Practice  
American Society of Hand Therapists Invitational Lecture  
Toronto, Ontario, Canada

1990

Central Japan Society for Surgery of the Hand	1992
Japanese Society for Surgery of the Hand Invitational Lecturer Morioka, Japan	05/1997
WHO symposium on burden of musculoskeletal disease Geneva, Switzerland	01/2000
8th Annual Meeting of the Irish Society for Surgery of the Hand Galway, Ireland	03/2001
Universita La Sapienza Rome, Italy	04/2001
4th Annual Japan Alps Orthopaedic Conference Matsumoto, Japan	04/2008
51st Annual Meeting of Japanese Society for Surgery of the Hand Tsukuba, Japan	04/2008
Italian Society for Surgery of the Hand Trapani, Italy	09/2008
Combined Meeting of British and Indian Hand Societies Bangalore, India	11/2008
French Society for Surgery of the Hand Paris, France	12/2008
Central Japan Society for Orthopaedics and Traumatology Kyoto, Japan	04/2009
Tissue engineering for tendon repair. Orthopedic Conference. University of the Ryukyus, Naha, Japan Naha, Japan	2010
Italian Society for Surgery of the Hand Savona, Italy	10/2010
Tissue engineering and tendon surgery Dept of Orthopaedic Surgery John Peter Smith Hospital Fort Worth, Texas	2011
Esser Invited Speaker, Erasmus University Department of Plastic Surgery Rotterdam, Netherlands	11/2011
Anatomy of hand rehabilitation University of Padua Padua, Italy	2012

Carpal tunnel syndrome: A new paradigm Orthopaedic grand rounds Stanford University Palo Alto, California	2012
Finding time and resources for research Iwate University Morioka, Japan	2012
Flexor tendon regeneration Grand rounds Stanford University, Plastic Surgery Palo Alto, California	2012
Scaphoid malunion St. Marianna University Kawasaki, Japan	2012
Tendon surgery Update Grand rounds Albany Medical College Plastic Surgery Albany, New York	2012
Eastern Japan Society for Surgery of the Hand Morioka, Japan	03/2012
Esser Course, Erasmus University Department of Plastic Surgery Rotterdam, Netherlands	03/2012
Diagnosis and Treatment for Cubital Tunnel Syndrome 12th ICSES meeting Nagoya, Japan	04/2013
What's new in tendon surgery? Norwegian Society for Surgery of the Hand Oslo, Norway	10/2013
Bedside to bench and back again EA Nalebuff Invited Lecture, Tufts University Boston, Massachusetts	2014
Scientific evidence supporting methods of tendon rehabilitation. AAHS Kauai, Hawaii	01/2014
Tendon surgery: Past, present and future. Orthopaedic grand rounds University of Missouri Columbia, Missouri	2014
Wide awake hand surgery. American Association of Hand Surgery. Kauai, HI Kauai, Hawaii	01/2014
Boutonnière Deformity - Does Anything Work? Hand Surgery Symposium Philadelphia, Pennsylvania	03/2014
Failed cubital tunnel release - Treatment option. Hand Surgery Symposium Philadelphia, Pennsylvania	03/2014



Pulley management in Zone II. Hand Surgery Symposium Philadelphia, Pennsylvania	03/2014
Wide awake hand surgery. AAOS Annual Meeting New Orleans, Louisiana	03/2014
The AAOS Unified Research Agenda. AAOS Symposium on Musculoskeletal Infections. Rosemont, Illinois	05/2014
The Mayo Model of Research. Gordon Conference. Andover, New Hampshire	08/2014
Wide awake hand surgery. Mayo Hand Club International Meeting Geiranger, Norway	08/2014
Academic Promotion in Orthopaedics. AAOS Clinician Scientist Development Symposium Rosemont, Illinois	09/2014
Current techniques of tendon repair. ASSH Annual Meeting Boston, Massachusetts	09/2014
Getting involved in hospital administration. AAOS Clinician Scientist Development Symposium Rosemont, Illinois	09/2014
Wide awake hand surgery. ASSH Annual Meeting. Boston, Massachusetts	09/2014
Chirurgie des tendons fléchisseurs: Quelle place pour l'ingénierie tissulaire? French Society for Surgery of the Hand Paris, France	12/2014
Wide awake hand surgery. AAHS Annual Meeting. Paradise Island, Bahamas	01/2015
Tendon Graft Tissue Engineering Penn State Pathways to Partnerships conference	09/2015
Tendon Repair, Past Present Future Penn State Pathways to Partnerships Conference	09/03/2015
Wide Awake Surgery Department of Orthopedic Surgery Conference Antwerp, Belgium	10/2015
Hydrodissection Hand Forum Massachusetts	07/2016
<b>Oral</b> Managing the Gliding Surface. Taiwan Hand Society Annual Meeting Kaohsiung, Taiwan	

Interpositional Arthroplasty for Rheumatoid Trapeziometacarpal Joint Deformities American Society for Surgery of the Hand Annual Meeting Dallas, Texas	1978
Isolation and Characterization of Link Proteins from Bovine Epiphyseal Plate Cartilage American Society of Biological Chemists Annual Meeting New Orleans, Louisiana	1980
Comparison of Trapeziectomy With and Without Silicone Replacement for Post- Menopausal Trapeziometacarpal Osteoarthritis American Society for Surgery of the Hand Annual Meeting Las Vegas, Nevada	1981
Matrix Synthesis and Degradation as a Result of In Vivo Pressure Changes Orthopaedic Research Society Annual Meeting Las Vegas, Nevada	1981
Matrix Synthesis in High Density Cultures of Bovine Epiphyseal Plate Chondrocytes Orthopaedic Research Society Annual Meeting Las Vegas, Nevada	1981
Muscle Testing Workshop American Society for Surgery of the Hand, Rehabilitation of the Hand Philadelphia, Pennsylvania	1981
The Use of Pyridoxine in the Treatment of Carpal Tunnel Syndrome American Association for Hand Surgery, Annual Meeting Dallas, Texas	1983
The Use of Pyridoxine in the Treatment of Carpal Tunnel Syndrome Jefferson Orthopaedic Society Philadelphia, Pennsylvania	1983
Compression of the Ulnar Nerve by the Deep Aponeurosis of the Proximal Forearm Annual Meeting of the American Association for Hand Surgery Acapulco, Mexico	1984
Compression of the Ulnar Nerve by the Deep Aponeurosis of the Proximal Forearm Jefferson Orthopaedic Society Dorado Beach, Puerto Rico	1984
Difficult Office Problems ASSH Mid-Year Meeting San Francisco, California	1984
Prognostic Factors in Flexor Tendon Surgery Another Decade of Tendon Surgery Philadelphia, Pennsylvania	1984
Scaphoid Malunion Jefferson Hand Society Philadelphia, Pennsylvania	1984
The Effect of Vincular Injury on the Results of Flexor Tendon Surgery in Zone 2 Annual Meeting of the American Society for Surgery of the Hand Atlanta, Georgia	1984
The Effect of Vincular Injury on the Results of Flexor Tendon Surgery in Zone 2 SICOT London, England, United Kingdom	1984

Program Committee and Moderator, Clinical Case Presentation Society for Surgeons of the Hand Minneapolis, Minnesota	1985
A Disulfide-Bonded Glycoprotein is Present in Extracts of Experimental OA But Not Normal Cartilage Annual Meeting of the Orthopedic Research Society Las Vegas, Nevada	1985
A Systemic Approach to Dynamic Splinting Annual Meeting of the American Society of Hand Therapists Las Vegas, Nevada	1985
An Anatomic Rationale for Treatment of Ulnar Neuropathy in the Region of the Elbow Annual Meeting of the American Association of Clinical Anatomists Omaha, Nebraska	1985
Metastatic Tumors to the Hand and Feet Annual Meeting of the Jefferson Orthopedic Society Philadelphia, Pennsylvania	1985
Mycobacterium Marinum Infections of the Hand American Society for Surgery of the Hand Annual Meeting Las Vegas, Nevada	1985
Pyridoxine and Carpal Tunnel Syndrome Cumulative Trauma Program Detroit, Michigan	1985
Staged Tendon Reconstruction Annual Meeting of the American Society of Hand Therapists Las Vegas, Nevada	1985
Staged Tendon Reconstruction: Experience With 100 Cases, 1973 to 1984 Annual Meeting of the American Association of Hand Surgeons Kansas City, Missouri	1985
Staged Tendon Reconstruction: Experience With 100 Cases, 1973 to 1984 Jefferson Hand Society Philadelphia, Pennsylvania	1985
Biochemical and Biomechanical Correlation in Canine Flexor Tendon IFSSH Third International Meeting Tokyo, Japan	1986
Biochemical and Histochemical Analysis of Canine Tendons Orthopedic Research Society Annual Meeting New Orleans, Louisiana	1986
Boutonniere Deformity Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1986
Common Wrist Disorders Instructional Course American Association for Hand Surgery Annual Meeting Los Angeles, California	1986
Differential Bone Loss at the Site of Fractures in Women With Colles and Vertebral Fractures American Federation for Clinical Research Annual Meeting Washington, District of Columbia	1986

Epidemiology of Carpal Tunnel Syndrome Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1986
Functional Evaluation of the Wrist American Society for Surgery of the Hand Annual Meeting New Orleans, Louisiana	1986
Lipofibromatous Hamartoma of Nerve American Association of Hand Surgeons Annual Meeting Los Angeles, California	1986
Osteoid Osteomas of the Hand American Association of Hand Surgeons Annual Meeting Los Angeles, California	1986
Pyridoxine and Carpal Tunnel Syndrome Cumulative Trauma Course San Francisco, California	1986
Radius Malunions Annual Meeting, Jefferson Hand Club Philadelphia, Pennsylvania	1986
Scaphoid Non-Unions Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	1986
Staged Tendon Reconstruction: A 10-Year Experience IFSSH Third International Meeting Tokyo, Japan	1986
Tendon Transfers for Spinal Cord Injury Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1986
The Wrist Program Committee and Moderator, Clinical Case Presentation Session, Saturday A.M. Program American Society for Surgery of the Hand Course Rochester, Minnesota	1986
Wrist Fracture Dislocations Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	1986
Wrist Fractures and Instability Instructional Course American Association for Hand Surgery Annual Meeting Los Angeles, California	1986
Anatomic Variations of the Median Nerve in 275 Consecutive Carpal Tunnel Releases American Association of Clinical Anatomists Toronto, Ontario, Canada	1987
Aneurysmal Bone Cysts of the Hand American Academy of Orthopedic Surgeons Annual Meeting San Francisco, California	1987

Chronic Perilunate Dislocations American Academy of Orthopedic Surgeons Annual Meeting San Francisco, California	1987
Chronic Wrist Pain Instructional Course American Society for Surgery of the Hand Annual Meeting San Antonio, Texas	1987
Classification of Carpal Instability Wrist Investigators Workshop Orlando, Florida	1987
Compressive Neuropathies of the Hand and Arm Instructional Course American Association for Hand Surgery Annual Meeting San Juan, Puerto Rico	1987
Evaluation of Wrist Pain Instructional Course American Society for Surgery of the Hand Annual Meeting San Antonio, Texas	1987
Fractures and Ligamentous Injuries of the Wrist Annual Meeting, American Association for Hand Surgery San Juan, Puerto Rico	1987
Metastatic Tumors of the Foot and Ankle American Orthopedic Foot and Ankle Society Annual Meeting San Francisco, California	1987
Osteoarthritis of the Hand and Wrist Resident Review Course American Society for Surgery of the Hand Minneapolis, Minnesota	1987
Osteoid Osteomas of the Hand American Academy of Orthopedic Surgeons Meeting San Francisco, California	1987
Osteoporosis and the Risk of Colles Fracture International Symposium on Osteoporosis Aalborg, Denmark	1987
Repeat Surgery for Ulnar Neuropathy Hand Forum Annual Meeting Santa Fe, New Mexico	1987
Repeat Surgery for Ulnar Neuropathy Prairie Hand Club Annual Meeting Cedar Rapids, Iowa	1987
Scaphoid Malunion American Society for Surgery of the Hand Annual Meeting San Antonio, Texas	1987
Sporotrichosis of the Upper Extremity American Society for Surgery of the Hand Annual Meeting San Antonio, Texas	1987
Tendon and Bone Healing Annual Meeting, American College of Surgeons San Francisco, California	1987

Traumatic Radioulnar Synostosis Annual Meeting, Jefferson Hand Club Philadelphia, Pennsylvania	1987
Unsolved Problems in the Workplace American Society for Surgery of the Hand Annual Meeting San Antonio, Texas	1987
Vitamin B6 and Carpal Tunnel Syndrome Cumulative Trauma Course American Society for Surgery of the Hand Ann Arbor, Michigan	1987
Classification of Wrist Instabilities Course on Common Hand Problems American Association for Hand Surgery-American Society of Plastic and Reconstructive Surgeons Grand Cayman, Cayman Islands	04/1987
Fractures of the Distal Radius Course on Common Hand Problems American Association for Hand Surgery-American Society of Plastic and Reconstructive Surgeons Grand Cayman, Cayman Islands	04/1987
Fractures of the Metacarpals and Thumb Course on Common Hand Problems American Association for Hand Surgery-American Society of Plastic and Reconstructive Surgeons Grand Cayman, Cayman Islands	04/1987
Non-Dissociative Wrist Instability Course on Common Hand Problems American Association for Hand Surgery-American Society of Plastic and Reconstructive Surgeons Grand Cayman, Cayman Islands	04/1987
Radius Malunion International Society for Fracture Repair Helsinki, Finland	08/1987
Scaphoid Malunion International Society for Fracture Repair Helsinki, Finland	08/1987
Anesthesia for Operative Hand Procedures Resident Review Course American Society for Surgery of the Hand Minneapolis, Minnesota	09/1987
Compressive Neuropathies of the Upper Extremity Resident Review Course American Society for Surgery of the Hand Minneapolis, Minnesota	09/1987
Anatomy of the Flexor Pulley System American Association of Clinical Anatomists Annual Meeting Palo Alto, California	1988
Causes of Ulnar Wrist Pain Course on Common Hand Problems American Society of Plastic and Reconstructive Surgeons Coronado, California	1988

Chronic Wrist Pain Instructional Course American Society for Surgery of the Hand Annual Meeting Baltimore, Maryland	1988
Classification of Carpal Instability American Society for Surgery of the Hand Winter Meeting Atlanta, Georgia	1988
Classification of Distal Radius Fractures Wrist Investigators Workshop Tampa, Florida	1988
Compartment Syndrome Comprehensive Review Course American Society for Surgery of the Hand Chicago, Illinois	1988
Deep Postoperative Wound Infection Following Carpal Tunnel Release American Association of Orthopedic Surgeons Annual Meeting Atlanta, Georgia	1988
Diagnostic Imaging of the Wrist American Association of Clinical Anatomists Annual Meeting Palo Alto, California	1988
Diagnostic Imaging of the Wrist American Society for Surgery of the Hand Winter Meeting Atlanta, Georgia	1988
Fractures of Phalanges and Metacarpals Comprehensive Review Course American Society for Surgery of the Hand Chicago, Illinois	1988
Functional Anatomy of Flexor Tendon Pulleys Jefferson Hand Club Annual Meeting Philadelphia, Pennsylvania	1988
Kienbock's Disease Course on Common Hand Problems American Society of Plastic and Reconstructive Surgeons Coronado, California	1988
Open Reduction Internal Fixation of Fractures of the Distal Radius American Association of Orthopedic Surgeons Annual Meeting Atlanta, Georgia	1988
Open Reduction Internal Fixation of Fractures of the Distal Radius Mid-America Orthopaedic Association Annual Meeting Tucson, Arizona	1988
Primary Malignant Bone Tumors of the Small Bones of the Hand American Association of Orthopedic Surgeons Winter Meeting Atlanta, Georgia	1988
Radius Malunion Mid-America Orthopaedic Association Annual Meeting Tucson, Arizona	1988
Reoperation for Ulnar Neuropathy American Society for Surgery of the Hand-British Society for Surgery of the Hand Combined Meeting Killarney, Ireland	1988

State of the Art of Bone Repair Instructional Course American Association for Hand Surgery Annual Meeting Toronto, Ontario, Canada	1988
Surgery of the Osteoarthritic Hand Review Course American Society of Hand Therapists St Louis, Missouri	1988
Surgery of the Rheumatoid Hand Review Course American Society of Hand Therapists St Louis, Missouri	1988
Tenolysis Comprehensive Review Course American Society for Surgery of the Hand Chicago, Illinois	1988
Tenosynovitis. Comprehensive Review Course American Society for Surgery of the Hand Chicago, Illinois	1988
Treatment of Trapeziometacarpal Arthritis Course on Common Hand Problems American Society for Plastic and Reconstructive Surgeons Coronado, California	1988
Unsolved Problems in the Work Place Panel on Industrial Injuries American Society for Surgery of the Hand Baltimore, Maryland	1988
Vitamin B6 and CTS Loyola - University of Michigan Cumulative Trauma Symposium Chicago, Illinois	1988
Zone 1 Tendon Injuries Comprehensive Review Course American Society for Surgery of the Hand Chicago, Illinois	1988
Carpal Instability - Classification Annual Meeting of Hand Forum Chatham, Massachusetts	1989
Complication of Carpal Arthroplasty Management of Fractures of the Wrist and Hand Kings Island, Ohio	1989
Effect of External Mechanical Forces on Canine Tendon Healing American Association for Hand Surgery Annual Meeting San Francisco, California	1989
Fractures of Metacarpals and Phalanges Review Course American Society for Surgery of the Hand Dallas, Texas	1989



Healing of Biomechanically Different Zones of Canine Flexor Tendon Orthopedic Research Society Annual Meeting New Orleans, Louisiana	1989
Imaging Techniques for the Wrist Management of Fractures of the Wrist and Hand Kings Island, Ohio	1989
Macroductyly Mid-American Orthopedic Association Bermuda	1989
Management of Acute and Chronic Lesser Arc Injuries Management of Fractures of the Wrist and Hand Kings Island, Ohio	1989
Management of Distal Ulnar Impingement Management of Fractures of the Wrist and Hand Kings Island, Ohio	1989
Modern Management of Fractures Instructional Course American Association for Hand Surgery Annual Meeting San Francisco, California	1989
ORIF of Distal Radius Difficult Wrist Problems Paris, France	1989
Reflex Sympathetic Dystrophy American Association for Hand Surgery Annual Meeting San Francisco, California	1989
Reoperation for Ulnar Neuropathy at the Elbow American Society for Surgery of the Hand Annual Meeting Seattle, Washington	1989
Revision Surgery for Ulnar Neuropathy Mid-American Orthopedic Association Bermuda	1989
Scaphoid Malunion Difficult Wrist Problems Paris, France	1989
Tensile Properties of Canine Flexor Tendon 35th Annual Meeting of the Orthopedic Research Society Las Vegas, Nevada	1989
Understanding Carpal Instability Jewish Hospital Hand Conference Louisville, Kentucky	1989
Understanding Carpal Instability Minnesota Orthopedic Society Minneapolis, Minnesota	1989
Wrist Pain Instructional Course American Society for Surgery of the Hand Annual Meeting Seattle, Washington	1989
Classification of Carpal Instability American Association for Hand Surgery Symposium Sunriver, Oregon	1990

Classification of Carpal Instability American Association of Clinical Anatomists Annual Meeting Saskatoon, Saskatchewan, Canada	1990
Effect of Weightbearing Stress on Healing of Biologically Distinct Zones of Canine Flexor Tendon First World Congress of Biomechanics La Jolla, California	1990
Evaluation of Hand Tumors Instructional Course on Hand Tumors American Society for Surgery of the Hand Toronto, Ontario, Canada	1990
Experience With a New Design of Total Wrist Arthroplasty American Society for Surgery of the Hand Annual Meeting Toronto, Ontario, Canada	1990
Hand Problems in Musicians Annual Meeting, Jefferson Hand Club Philadelphia, Pennsylvania	1990
Industrial Injuries Instructional Course American Society for Surgery of the Hand Annual Meeting Toronto, Ontario, Canada	1990
Open Reduction of Distal Radius Fractures Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	1990
Radioulnar Dissociation Mid America Orthopaedic Association Point Clear, Alabama	1990
Radioulnar Dissociation Southern Orthopedic Association Annual Meeting Maui, Hawaii	1990
Relationship of Palmar Radiocarpal Ligaments to Intraarticular Fracture Patterns Annual Meeting of Orthopedic Trauma Association Toronto, Ontario, Canada	1990
Relationship of Palmar Radiocarpal Ligaments to Intraarticular Fracture Patterns International Wrist Investigators' Workshop Newport, California	1990
Salvage of Thumb Joint Problems American Association for Hand Surgery Symposium Sunriver, Oregon	1990
Salvage of Wrist Joint Problems. AAHS Symposium Sunriver, Oregon	1990
Staged Flexor Tendon Reconstruction in Children French Society for Surgery of the Hand Annual Meeting Paris, France	1990
Treatment of Wrist Ligament Injury American Association for Hand Surgery Symposium Sunriver, Oregon	1990

Vitamin B6 and Carpal Tunnel Syndrome Cumulative Trauma Symposium Ann Arbor, Michigan	1990
Wrist Arthroscopy Instructional Course American Association for Hand Surgery Annual Meeting Boston, Massachusetts	1990
Acquired Conditions: An Improvement in Hospital Discharge Abstracts JCAHO Symposium on Quality Assurance Washington, District of Columbia	1991
Anatomy and Biomechanics of the Hand American Society of Hand Therapists Upper Extremity Expo Newport Beach, California	1991
Common Hand Problems American Society of Hand Therapists Upper Extremity Expo Newport Beach, California	1991
Congenital Digital Anomalies Associated with the Klippel-Trenaunay Syndrome Mid America Orthopaedic Association Palm Springs, California	1991
Extensor Tendon Injuries The Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1991
Flexor and Extensor Tendon Injuries Maine Orthopedic Review Course Waterville, Maine	1991
Fractures of the Distal Radius The Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1991
Fractures of the Wrist and Hand Maine Orthopedic Review Course Waterville, Maine	1991
Hand Problems in Musicians Combined American Society for Surgery of the Hand - French Society for Surgery of the Hand Meeting Madrid, Spain	1991
Hand Problems in Musicians Combined American Society for Surgery of the Hand - French Society for Surgery of the Hand Meeting Madrid, Spain	1991
Lunotriquetral Sprains GEM-SECMA Spring Meeting Madrid, Spain	1991
Pain Dysfunction Syndrome The Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1991
PIP Arthroplasty The Hand Rehabilitation Symposium Philadelphia, Pennsylvania	1991

Radioulnar Dissociation Western Trauma Association Annual Meeting Jackson Hole, Wyoming	1991
Tenosynovitis Maine Orthopedic Review Course Waterville, Maine	1991
An Evaluation of the Anatomy and Material Properties of the Dorsal, Proximal, and Palmar Components of the Scapholunate Ligament Vancouver, British Columbia, Canada	09/1991
Diagnostic Evaluation of Malignant Tumors in the Hand Instructional Course Lecture American Society for Surgery of the Hand Annual Meeting Orlando, Florida	10/1991
Use of the Agee Wrist Jack in Fractures of the Distal Radius American Society for Surgery of the Hand Orlando, Florida	10/1991
Anatomy and Kinematics of the Flexor Pulley System Richard Smith Memorial Hand Symposium Boston, Massachusetts	11/1991
Sports Injuries to the Hand in the United States Euromedicine Symposium Montpellier, France	11/1991
Total Quality Management in Health Care: The Role of Informatics 15th Annual Symposium on Computer Applications in Medicine Washington, District of Columbia	11/1991
Osteonecrosis of Carpal Bones XXVIIIth Congress of the French Society for Surgery of the Hand Paris, France	12/1991
Dupuytren's Contracture Resident's Review Course American Society for Surgery of the Hand Rochester, Minnesota	1992
Fractures and Dislocations of the Wrist Resident's Review Course American Society for Surgery of the Hand Rochester, Minnesota	1992
Fractures of the Distal Radius Nagoya University Hand Conference Nagoya, Japan	1992
Osteoarthritis of the Thumb CMC Joint Central Japan Hand Society Osaka, Japan	1992
Overuse Syndromes-The American Experience Annual Meeting, GEM Montpellier, France	1992
Ulnar Nerve Transposition Kyoto Prefectural University Orthopedic Conference Kyoto, Japan	1992

Work Injuries Instructional Course American Association for Hand Surgery Washington, District of Columbia	1992
Carpal Tunnel Syndrome and VDT Use Bellcore Research Seminar Atlanta, Georgia	02/1992
Common Benign Tumors of the Hand and Wrist Musculoskeletal Tumor Society Third Specialty Day Meeting Washington, District of Columbia	02/1992
Reflex Sympathetic Dystrophy American Association for Hand Surgery Symposium Park City, Utah	03/1992
Biomechanics of Music Performance IFSHT Triennial Congress Paris, France	05/1992
Decision Analysis American Academy of Orthopedic Surgeons Symposium on Outcome Research Denver, Colorado	05/1992
Gross and Histologic Anatomy and Material Properties of the Subregions of the Scapholunate Ligament NATO Advanced Research Workshop of Biomechanics of the Hand and Wrist Brussels, Belgium	05/1992
Stability and Constraint of the PIP Joint NATO Advanced Research Workshop of Biomechanics of the Hand and Wrist Brussels, Belgium	05/1992
Work-related Infections of the Hand IFSSH Triennial Congress Paris, France	05/1992
Common Hand Problems Maine Orthopedic Review Waterville, Maine	06/1992
Fractures of the Wrist Maine Orthopedic Review Waterville, Maine	06/1992
Kienbock's Disease Carpal Connection '92 Richmond, Virginia	06/1992
PIP Arthroplasty Combined Symposium AAHS and Hungarian Society for Surgery of the Hand Budapest, Hungary	06/1992
Scaphoid Fractures and Non-Unions Carpal Connection '92 Richmond, Virginia	06/1992
Tendon Injuries to the Hand Maine Orthopedic Review Waterville, Maine	06/1992

Bennett Fractures Instructional Course American Society for Surgery of the Hand Kansas City, Missouri	1993
Carpal Instability German-Speaking Hand Society Symposium Dusseldorf, Germany	1993
Classification of Carpal Instability University of Massachusetts Hand Course Southampton, Bermuda	1993
Fractures of the Hand and Wrist Maine Orthopedic Review Waterville, Maine	1993
Hand Surgery Problems: Reconstruction American Academy of Orthopaedic Surgeons - Orthopedic Update New York, New York	1993
Malunions of the Distal Radius University of Massachusetts Hand Course Southampton, Bermuda	1993
Outcomes Measure for Hand and Wrist Disorders American Academy of Orthopaedic Surgeons Outcomes Symposium San Antonio, Texas	1993
Outcomes Measurements for Carpal Tunnel Syndrome Jefferson Hand Society Philadelphia, Pennsylvania	1993
Outcomes Measures Instructional Course American Society for Surgery of the Hand Kansas City, Missouri	1993
Outcomes Measures for Carpal Tunnel Syndrome Sunderland Society Seattle, Washington	1993
Outcomes Research Instructional Course American Society for Surgery of the Hand Kansas City, Kansas	1993
Outcomes Research in Hand Surgery Hand Forum Vail, Colorado	1993
Scaphoid Malunions University of Massachusetts Hand Course Southampton, Bermuda	1993
STT Fusion-Solution or Problem Balgrist-Days Zurich, Switzerland	1993
Tendon Injuries Maine Orthopedic Review Waterville, Maine	1993

Ulnar Nerve Problems Instructional Course American Association for Hand Surgery Cancun, Mexico	1993
Wrist Arthroscopy: Indications and Utility Jefferson Hand Society Philadelphia, Pennsylvania	1993
Classification of Carpal Instability AAHS Annual Meeting Cancun, Mexico	12/1993
Wrist Arthroscopy: A Review of 200 Cases AAHS Annual Meeting Cancun, Mexico	12/1993
Classification of Carpal Instability University of Brescia Orthopedic Conference Brescia, Italy	1994
CTS Instructional Course American Academy of Orthopaedic Surgeons Annual Meeting New Orleans, Louisiana	1994
Management of Chronic Pain University of Brescia Orthopedic Conference Brescia, Italy	1994
Management of Ulnar Neuropathy University of Brescia Orthopedic Conference Brescia, Italy	1994
Treatment of Skeletal Giant Cell Tumors of the Hand American Association for Hand Surgery Annual Meeting Marco Island, Florida	1994
Classification of Carpal Instability Advanced Wrist Course Zermatt, Switzerland	02/1994
Clinical Aspects of CTD's American Academy of Orthopaedic Surgeons/Orthopaedic Research Society Symposium New Orleans, Louisiana	02/1994
Epidemiology of Carpal Tunnel Syndrome Trauma Course American Association for Hand Surgery Breckenridge, Colorado	02/1994
Management of Carpal Instability Trauma Course American Association for Hand Surgery Breckenridge, Colorado	02/1994
Management of Chronic Pain Trauma Course American Association for Hand Surgery Breckenridge, Colorado	02/1994

Management of Dissociative Instability Advanced Wrist Course Zermatt, Switzerland	02/1994
Management of Scaphoid Fractures Advanced Wrist Course Zermatt, Switzerland	02/1994
Cubital Tunnel Syndrome 12th Annual Hand Surgery Symposium Brescia, Italy	03/1994
Epidemiology of Recurrent CTS Hand Rehabilitation Symposium Philadelphia, Pennsylvania	03/1994
Reflex Sympathetic Dystrophy 12th Annual Hand Surgery Symposium Brescia, Italy	03/1994
Treatment of Carpal Instability 12th Annual Hand Surgery Symposium Brescia, Italy	03/1994
DeQuervain's Tenosynovitis American Academy of Orthopaedic Surgeons/National Institutes of Health Symposium on Cumulative Trauma Disorders Washington, District of Columbia	06/1994
Outcomes Measurement in Hand Surgery Hand Forum Edinburgh, United Kingdom	06/1994
Reoperation for Ulnar Neuropathy Hand Forum Edinburgh, United Kingdom	06/1994
Biomechanical Analysis of Friction Between FDP and A2 Pulley 2nd World Congress of Biomechanics Amsterdam, Netherlands	07/1994
Gliding Characteristics of Human Tendons 2nd World Congress of Biomechanics Amsterdam, Netherlands	07/1994
Tendon-Pulley Interaction After Tendon Repair 2nd World Congress of Biomechanics Amsterdam, Netherlands	07/1994
Indications for Surgery Tenosynovitis American Association for Hand Surgery CTD Symposium Bloomington, Minnesota	08/1994
Keyboard Use and Cumulative Trauma Disorders American Association for Hand Surgery CTD Symposium Bloomington, Minnesota	08/1994
Management of Chronic Pain in Patients with CTD American Association for Hand Surgery CTD Symposium Bloomington, Minnesota	08/1994
Current State of Hand and Wrist Outcome Assessment American Society for Surgery of the Hand Annual Meeting Cincinnati, Ohio	10/1994



Flexion Tendon-Pulley Interaction After Tendon Repair American Society for Surgery of the Hand Annual Meeting Cincinnati, Ohio	10/1994
Measurement of Outcome for Musculoskeletal Problems: The AAOS Effort. American College of Occupational and Environmental Medicine Denver, Colorado	10/1994
Management of Hand Problems in Musicians in the U.S. Main et Musique Montpellier, France	11/1994
Peripheral Nerve Compression Syndrome Instructional Course American Association for Hand Surgery Marco Island, Florida	1995
Annular Pulley Reconstruction. The Effect of Graft Tension and Source in a Dog Model. 41st Orthopedic Research Society Orlando, Florida	02/1995
Effect of Hyaluronidase or Gliding Resistance of Tendon and Pulley 41st Orthopedic Research Society Orlando, Florida	02/1995
Patient Outcomes After Reoperation for Carpal Tunnel Syndrome 62nd American Academy of Orthopedic Surgeons Orlando, Florida	02/1995
Quality Improvement in an Integrated Group Practice Setting 62nd American Academy of Orthopedic Surgeons Orlando, Florida	02/1995
Carpal Tunnel Syndrome Rehabilitation of the Hand Philadelphia, Pennsylvania	03/1995
Outcome Measurement in Hand Rehabilitation Rehabilitation of the Hand Philadelphia, Pennsylvania	03/1995
Reconstruction for Wrist Instability British Society for Surgery of the Hand Oxford, United Kingdom	03/1995
The Case for Open Carpal Tunnel Release Mid America Orthopedic Association Palm Beach, Florida	04/1995
Fractures of the Hand and Wrist Maine Orthopedic Review Waterville, Maine	07/1995
Tendon Injuries Maine Orthopedic Review Waterville, Maine	07/1995
Tenosynovitis and Cumulative Trauma Disorders International Federation of Societies for Surgery of the Hand Helsinki, Finland	07/1995
Use of Decision Support System to Control Costs in a Clinical Practice Association of America Medical Colleges Executive Seminar Boston, Massachusetts	07/1995

Wrist Arthroscopy American Association of Clinical Anatomists/British Association of Clinical Anatomists Combined Meeting Rochester, Minnesota	07/1995
Keyboard Design and Carpal Tunnel Syndrome American Association for Hand Surgery Cumulative Trauma Disorders Symposium Cincinnati, Ohio	08/1995
Management of Chronic Pain Disorders American Association for Hand Surgery Cumulative Trauma Disorders Symposium Cincinnati, Ohio	08/1995
Pathophysiology of Carpal Tunnel Syndrome American Association of Hand Surgery Cumulative Trauma Disorders Symposium Cincinnati, Ohio	08/1995
Treatment of Carpal Tunnel Syndrome American Association for Hand Surgery Cumulative Trauma Disorders Symposium Cincinnati, Ohio	08/1995
Treatment of Tenosynovitis American Association for Hand Surgery Cumulative Trauma Disorders Symposium Cincinnati, Ohio	08/1995
Case Definitions of Work-Related Musculoskeletal Disorders: Can They Affect Our View of the Clinical Course? Second International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders Montreal, Quebec, Canada	09/1995
Development of an Upper Extremity Health Status Instrument Second International Scientific Conference on Prevention of Work-Related Musculoskeletal Disorders Montreal, Quebec, Canada	09/1995
Frictional Characteristics of Human Flexor Tendons European Association of Clinical Anatomists Innsbruck, Austria	09/1995
Frictional Characteristics of Human Tendon-Pulley Interaction European Association of Clinical Anatomists Innsbruck, Austria	09/1995
Giant Cell Tumor of the Distal Radius 50th Annual Meeting of American Society for Surgery of the Hand San Francisco, California	09/1995
Gliding Pattern of Tendon Through Pulley: Differences Between Canine and Human Model Third International Wrist Symposium San Francisco, California	09/1995
New Instruments for Outcomes Research ASSH Instructional Course 50th Annual Meeting, American Society for Surgery of the Hand San Francisco, California	09/1995

The AAOS-COMSS Effort to Develop New Outcomes Instruments American Academy of Orthopaedic Surgeons Symposium on Outcomes Research San Diego, California	09/1995
Comparison of Physical and Questionnaire Measures of Outcome for Carpal Tunnel Syndrome and Colles Fracture 32nd Annual Meeting, GEM (French Society for Surgery of the Hand) Paris, France	10/1995
History of Carpal Tunnel Syndrome American Academy of Orthopaedic Surgeons Symposium on Carpal Tunnel Syndrome Scottsdale, Arizona	12/1995
Professional and Legal Guidelines for CTS American Academy of Orthopaedic Surgeons Symposium on Carpal Tunnel Syndrome Scottsdale, Arizona	12/1995
Results of Reoperation for CTS American Academy of Orthopaedic Surgeons Symposium on Carpal Tunnel Syndrome Scottsdale, Arizona	12/1995
Carpal Instability University of Newcastle Department of Orthopaedics Newcastle, United Kingdom	1996
Cumulative Trauma Disorders Instructional Course American Association for Hand Surgery Annual Meeting Palm Springs, California	1996
Management of Chronic Pain Disorders American Association for Hand Surgery Annual Meeting Palm Springs, California	1996
Outcomes Research University of Newcastle Department of Orthopaedics Newcastle, United Kingdom	1996
Classification of Carpal Instability American Society for Surgery of the Hand Specialty Day Atlanta, Georgia	02/1996
Development of an Upper Extremity Outcome Instrument American Academy of Orthopaedic Surgeons Annual Meeting Atlanta, Georgia	02/1996
Healthcare Information Systems: Prognosis for a Cure 162nd Annual Meeting of American Association for the Advancement of Science Baltimore, Maryland	02/1996
Outcome Assessment: The AAOS Perspective American Academy of Orthopaedic Surgeons Annual Meeting Atlanta, Georgia	02/1996
The Case for Open Carpal Tunnel Release American Academy of Orthopaedic Surgeons Annual Meeting Atlanta, Georgia	02/1996
Carpal Instability Upper Extremity Anatomy for Surgeons, University of Montpellier Montpellier, France	03/1996

Evaluation of Nerve Compression in the Upper Extremity 2nd International Symposium on Nerve Compression Disorders Boston, Massachusetts	03/1996
Excursion Properties of Tendon Graft Sources ASSH-JSSH Combined Meeting Maui, Hawaii	03/1996
Flexor Pulley Biomechanics Upper Extremity Anatomy for Surgeons, University of Montpellier Montpellier, France	03/1996
Flexor Tendon Repair Upper Extremity Anatomy for Surgeons, University of Montpellier Montpellier, France	03/1996
Replantation Upper Extremity Anatomy for Surgeons, University of Montpellier Montpellier, France	03/1996
Treatment of Nerve Compression in the Upper Extremity 2nd International Symposium on Nerve Compression Disorders Boston, Massachusetts	03/1996
Open Reduction of Distal Radius Fractures Upper Extremity Trauma and Reconstruction Phoenix, Arizona	04/1996
The Drag Between Tendon and Pulley 1996 ASME Conference Baltimore, Maryland	06/1996
The Frictional Characteristics of Human Tendon-Pulley Interaction Summer Meeting, British Association of Clinical Anatomists Cardiff, Wales, United Kingdom	07/1996
Co-Chair Cumulative Trauma Disorders III Pittsburgh, Pennsylvania	08/1996
Clinical Approach to CTD's American Association for Hand Surgery Cumulative Trauma Symposium Pittsburgh, Pennsylvania	08/1996
Pathophysiology of Nerve Compression American Association for Hand Surgery Cumulative Trauma Symposium Pittsburgh, Pennsylvania	08/1996
Sympathetic Maintained Pain Syndrome American Association for Hand Surgery Cumulative Trauma Symposium Pittsburgh, Pennsylvania	08/1996
Frictional Characteristics of Tendon Pulley Reconstruction American Society for Surgery of the Hand Annual Meeting Nashville, Tennessee	10/1996
Nerve Compression Syndromes in Musicians First International Congress of Art and Medicine Lyon, France	10/1996
ORIF of Complex Intraarticular Fractures Wrist Symposium of Hotel Dieu Lyon, France	10/1996

Role of Arthroscopy in Management of Distal Radius Fractures. Wrist Symposium of Hotel Dieu Lyon, France	10/1996
Treatment of Difficult Fractures by External Fixation Wrist Symposium of Hotel Dieu Lyon, France	10/1996
AAOS Outcomes Instrument Development American Academy of Orthopaedic Surgeons Annual Meeting San Francisco, California	1997
Complications of Distal Radius Fractures Shinsu University Department of Orthopedics Matsumoto, Japan	1997
Development of an Upper Extremity Outcome Measure American Academy of Orthopedic Surgeons Annual Meeting San Francisco, California	1997
Functional Outcomes in Orthopedics Societe Belge de Chirurgie Orthopédique et de Traumatologie (SOBCOT) Brussels, Belgium	1997
Measuring Outcomes in Hand Surgery American Association for Hand Surgery Hand Therapy Symposium Boca Raton, Florida	1997
Scaphoid Fractures-The Role of Cast Treatment American Society for Surgery of the Hand Specialty Day San Francisco, California	1997
Technical Tips for Nerve Repair American Association for Hand Surgery Hand Therapy Symposium Boca Raton, Florida	1997
Ulnar Neuropathy St Marianna University Department of Orthopedics Kawasaki, Japan	1997
Using the DASH Questionnaire in Hand Therapy American Association for Hand Surgery Hand Therapy Symposium Boca Raton, Florida	1997
Flexor Tendon-Pulley Interaction After Annular Pulley Reconstruction: A Biomechanical Study in a Dog Model In Vivo 43rd Annual Meeting, Orthopaedic Research Society San Francisco, California	02/1997
Outcomes Research: What Have You Done for Me Lately? Symposium American Academy of Orthopaedic Surgeons Annual Meeting San Francisco, California	02/1997
Examination of the Injured Hand Hand Rehabilitation Symposium Philadelphia, Pennsylvania	03/1997
Outcomes in Hand Surgery Hand Rehabilitation Symposium Philadelphia, Pennsylvania	03/1997
Fifteen Years of Tendon Surgery Japanese Society for Surgery of the Hand Morioka, Japan	05/1997

Carpal Tunnel Syndrome as a CT ASPN Annual Meeting Williamsburg, Virginia	06/1997
Fractures of the Hand and Wrist Maine Orthopaedic Review Waterville, Maine	06/1997
Reconstruction of Malignant Bone Tumors of the Hand Federation of the European Societies for Surgery of the Hand (FESSH) Annual Meeting Florence, Italy	06/1997
Tendon Healing Maine Orthopaedic Review Waterville, Maine	06/1997
Tendon Injury Maine Orthopaedic Review Waterville, Maine	06/1997
Outcomes Measurement in Hand Surgery: The AAOS Approach. American Society for Surgery of the Hand Annual Meeting Denver, Colorado	09/1997
Outcomes Research: Getting Started Instructional Course American Society for Surgery of the Hand Annual Meeting Denver, Colorado	09/1997
An Evaluation of the Histology and Material Properties of the Subregions of the Scapholunate Ligament 7th International Wrist Investigator's Workshop Orlando, Florida	10/1997
History of CTS Carpal Tunnel Syndrome Symposium Miami, Florida	11/1997
Outcome Assessment for CTS Carpal Tunnel Syndrome Symposium Miami, Florida	11/1997
Reoperation for CTS Carpal Tunnel Syndrome Symposium Miami, Florida	11/1997
Approche Systématique du Diagnostic et du Traitement des Syndromes Douloureux. La Douleur Strasbourg, France	12/1997
Cast treatment of Colles Fractures American Society for Surgery of the Hand Specialty Day New Orleans, Louisiana	03/1998
Outcomes: the AAOS approach American Academy of Orthopaedic Surgeons Annual Meeting New Orleans, Louisiana	03/1998
Work as a Cumulative Trauma American Academy of Orthopaedic Surgeons Annual Meeting New Orleans, Louisiana	03/1998

Chronic Lunotriquetral Dissociation Dislocation Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	05/1998
Classification of Carpal Instability International Federation of Societies for Hand Therapy (IFSHT) Triennial Meeting Vancouver, British Columbia, Canada	05/1998
Limited Wrist Fusion in RA Dislocation Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	05/1998
Measurement of Functional Outcomes International Federation of Societies for Hand Therapy (IFSHT) Triennial Meeting Vancouver, British Columbia, Canada	05/1998
Natural History of intraarticular fractures of the distal radius Dislocation Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	05/1998
Treatment of Chronic Perilunate Dislocation Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	05/1998
Treatment of SNAC Wrist Dislocation Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	05/1998
Carpal Instability Maine Orthopaedic Review Waterville, Maine	06/1998
Cumulative Trauma Disorders Derby Hand surgery Course Derby, United Kingdom	06/1998
Fractures of the Hand Maine Orthopaedic Review Waterville, Maine	06/1998
Hand Tumors Derby Hand surgery Course Derby, United Kingdom	06/1998
Outcomes Measurement Derby Hand surgery Course Derby, United Kingdom	06/1998
Outcomes Research Derby Hand surgery Course Derby, United Kingdom	06/1998
Tendon Injuries Maine Orthopaedic Review Waterville, Maine	06/1998
The interactive skeleton: a 21st century anatomy resource American Association of Clinical Anatomists Annual Meeting Lexington, Kentucky	06/1998

Flexor Tendon Pulley Interaction After Tendon Graft: A Biomechanical Study in a Canine Model In Vitro Third Triennial International Hand and Wrist Biomechanics Conference Minneapolis, Minnesota	09/1998
Outcomes Research: The Next Generation Instructional Course American Society for Surgery of the Hand Annual Meeting Minneapolis, Minnesota	09/1998
The Tendon-Pulley Interaction American Society of Hand Therapists 21st Annual Meeting New Orleans, Louisiana	09/1998
Musculoskeletal Outcomes Research Giornado di Neurofisiologia, Universita Cattolica Rome, Italy	10/1998
Outcomes Assessment: the AAOS Approach 83rd Annual Meeting, Societa Italiana di Ortopedia e Traumatologia Genoa, Italy	10/1998
The A3 Pulley 34th Annual Meeting, GEM Paris, France	12/1998
Gliding Characteristics of Tendon Repair in Partially Lacerated Canine Tendons Tendon Symposium Genva, Belgium	1999
Purpose AAHS Presidential Address American Association of Hand Surgeons Annual Meeting Kamuela, Hawaii	1999
The A3 Pulley American Association of Hand Surgeons Annual Meeting Kamuela, Hawaii	1999
The A3 Pulley Tendon Symposium Genva, Belgium	1999
AAOS Outcomes Instruments and MODEMS National Association of Orthopedic Nurses Annual Meeting Orange, California	02/1999
Gliding Characteristics of Tendon Repair in Partially Lacerated Canine Tendons Orthopedic Research Society Annual Meeting Anaheim, California	02/1999
Interpretation of Wrist Xrays Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/1999
Classification of Carpal Instability CIOT Sao Paulo, Brazil	05/1999
Flexor Tendon Reconstruction CIOT Sao Paulo, Brazil	05/1999



Outcomes Assessment in Orthopedic Surgery CIOT Sao Paulo, Brazil	05/1999
Carpal Instability Maine Orthopaedic Review Waterville, Maine	06/1999
Cumulative Trauma American Orthopaedic Association Annual Meeting Sun Valley, Idaho	06/1999
Fractures of the Hand Maine Orthopaedic Review Waterville, Maine	06/1999
Friction and Strength Analysis of Partially Lacerated Flexor Tendon Repair ASME Summer Bioengineering Conference Big Sky, Montana	06/1999
Tendon Injuries Maine Orthopaedic Review Waterville, Maine	06/1999
Management of Chronic Pain Disorders Review Course American Society for Surgery of the Hand Dallas, Texas	08/1999
Management of Hand Tumors Review Course American Society for Surgery of the Hand Dallas, Texas	08/1999
Chronic Pain Disorders CTD Course American Society for Surgery of the Hand/American Association for Hand Surgery Chicago, Illinois	10/1999
CTD Outcomes CTD Course American Society for Surgery of the Hand/American Association for Hand Surgery Chicago, Illinois	10/1999
Gliding Characteristics of Tendon Repair British Society for Surgery of the Hand Blackpool, England, United Kingdom	10/1999
Impact of OSHA Regulations CTD Course American Society for Surgery of the Hand/American Association for Hand Surgery Chicago, Illinois	10/1999
Reoperation for Cubital Tunnel Syndrome CTD Course American Society for Surgery of the Hand/American Association for Hand Surgery Chicago, Illinois	10/1999
Evidenced Based Orthopaedics SIOT (Italian Orthopedic Society) 84th Annual Meeting Rome, Italy	11/1999

Evaluation and Management of Neurocompressive Disorders New England College of Occupational Medicine Annual Meeting Boston, Massachusetts	12/1999
Combined Release of Radial Tunnel and Lateral Epicondyle for Chronic Anterior Forearm Pain American Association for Hand Surgery Annual Meeting Miami, Florida	2000
Finger Joint Arthroplasty: State of the Art Central Japan Society for Surgery of the Hand Matsumoto, Japan	2000
Friction Between Pulley and Tendon with Different Knot Location and Suture Size American Association for Hand Surgery Annual Meeting Miami, Florida	2000
The 21st Century Hospital National Nagano Hospital Nagano, Japan	2000
Thumb CMC Arthritis Nihon University Tokyo, Japan	2000
Wrist Problems Gifu University Department of Orthopedic Surgery Gifu, Japan	2000
Regional Outcomes Instruments Outcomes Course American Academy of Orthopaedic Surgeons Long Beach, California	02/2000
The Role of the AAOS in Outcomes Research Outcomes Course American Academy of Orthopaedic Surgeons Long Beach, California	02/2000
Gliding Characteristics of Tendon Repair Combined ASSH/JSSH Meeting Maui, Hawaii	03/2000
Gliding Resistance and Breaking Strength of Suture Techniques Orthopedic Research Society 46th Annual Meeting Orlando, Florida	03/2000
Gliding Resistance of Flexor Tendon with Different Knot Location, Material and Size Orthopedic Research Society 46th Annual Meeting Orlando, Florida	03/2000
Nerve Compression Syndromes Musicians Main et Musique Paris, France	03/2000
The Effect of Synergistic Motion on FDP Excursion After Tendon Repair Orthopedic Research Society 46th Annual Meeting Orlando, Florida	03/2000
Gliding Resistance and Flexor Tendon Function Anatomy 2000 Cambridge, England, United Kingdom	07/2000

Evaluation and Approach to the Musician 8th International Symposium on the Musician's Hand Mainz, Germany	10/2000
In Vitro Transfection of Tendon Cells American Society for Surgery of the Hand Annual Meeting Seattle, Washington	10/2000
Suture Techniques with High Breaking Strength and Low Gliding Resistance American Society for Surgery of the Hand Annual Meeting Seattle, Washington	10/2000
Suture Techniques with High Breaking Strength and Low Gliding Resistance. ASSH Annual Meeting Seattle, Washington	10/2000
The Case Against Multiple Nerve Compression American Society for Surgery of the Hand Annual Meeting Seattle, Washington	10/2000
The Case Against Multiple Nerve Compression ASSH Annual Meeting Seattle, Washington	10/2000
The Effect of Repetition and Vibration on the Musculoskeletal System American Society for Surgery of the Hand Annual Meeting Seattle, Washington	10/2000
Pain Management in RSD. ASPN Annual Meeting San Diego, California	01/2001
The Effect of the FDS Tendon on the Gliding Resistance of the FDP Tendon in Zone 2 After Tendon Repair: An In vitro Biomechanical Study American Association for Hand Surgery Annual Meeting San Diego, California	2001
The Effect of the FDS Tendon on the Gliding Resistance of the FDP Tendon in Zone 2 After Tendon Repair: An In vitro Biomechanical Study. AAHS Annual Meeting San Diego, California	01/2001
Carpal Instability 8th Annual Meeting Irish Society for Surgery of the Hand Galway, Ireland	03/2001
The RSI Controversy 8th Annual Meeting Irish Society for Surgery of the Hand Galway, Ireland	03/2001
Carpal Fractures 2nd European Hand Surgery Course Lillafured, Hungary	04/2001
Carpal Instability 2nd European Hand Surgery Course Lillafured, Hungary	04/2001
Chronic Perilunate Dislocations Wrist Course American Society for Surgery of the Hand Rochester, Minnesota	04/2001

Hand Problems in Musicians Universita La Sapienza Rome, Italy	04/2001
Hand Surgery in the 21st Century 2nd European Hand Surgery Course Lillafured, Hungary	04/2001
Management of Hand Tumors 2nd European Hand Surgery Course Lillafured, Hungary	04/2001
Orthopaedics: State of the Evidence 2nd European Conference on Evidence Based Medicine Ferrara, Italy	04/2001
Research Methods for Musculoskeletal Disorders 2nd European Conference on Evidence Based Medicine Ferrara, Italy	04/2001
The DASH Questionnaire 10th Upper Extremity International Symposium Genval, Belgium	04/2001
Use and Abuse of Questionnaire Assessment 10th Upper Extremity International Symposium Genval, Belgium	04/2001
Advances in Tendon Surgery 20th Derby Hand Course Derby, United Kingdom	05/2001
Hand Problems in Musicians 20th Derby Hand Course Derby, United Kingdom	05/2001
Informed Consent in the USA 20th Derby Hand Course Derby, United Kingdom	05/2001
Operations I No longer Do 20th Derby Hand Course Derby, United Kingdom	05/2001
Outcomes Assessment: What to do when? 20th Derby Hand Course Derby, United Kingdom	05/2001
Strengths and Weaknesses of the DASH Questionnaire 20th Derby Hand Course Derby, United Kingdom	05/2001
Biomechanics of Tendon Gliding American Society of Biomechanics Annual Meeting San Diego, California	06/2001
Does Suture Technique Influence Repair Strength of Partially Lacerated Human Flexor Tendon In Vitro ASME Summer Bioengineering Conference Snowbird, Utah	06/2001
Effect of Hyaluronic Acid on the Flexor Tendon-Pulley Interaction After Tendon Repair: A Biomechanical Study in a Dog Model 8th Congress of IFSSH Istanbul, Turkey	06/2001

Factors Affecting Tendon Gliding IV Triennial International Hand and Wrist Biomechanics Symposium Izmir, Turkey	06/2001
Gliding Resistance after Repair of Partially Lacerated Human Flexor Digitorum Profundus Tendon in Vitro 4th Combined Meeting of ORS, EORS and JORS Rhodes, Greece	07/2001
The Effect of Suture Technique on Adhesion Formation after Flexor Tendon Repai for Partial Lacerations in a Canine Model 4th Combined Meeting of ORS, EORS and JORS Rhodes, Greece	07/2001
In Vitro Transplantation Of Genetically Modified Cells To The Tendon Surface SICOT Summer Conference Paris, France	08/2001
Traitement Des Sections Partielles Des Fléchisseurs Par Régularisation Des Berges :Une Étude Biomécanique In Vitro GEM Annual Meeting Paris, France	12/2001
Carpal Instability Universite Laval Ste-Foy, Quebec, Canada	2002
Cumulative Trauma Disorders Quebec Orthopaedic Association Quebec, Quebec, Canada	2002
Flexor Tendon Surgery Universite Laval Ste-Foy, Quebec, Canada	2002
Flexor Tendon Surgery in 2002 University of Toronto Hand Surgery Conference Toronto, Ontario, Canada	2002
A New Testing Device for Measuring Gliding Resistance and Work of Flexion in a Digit Tendons Orthopedic Research Society Annual Meeting Dallas, Texas	02/2002
Comparison of Strategies to Improve Results After Lacerations of Both Flexor Tendons in Zone II: A Biomechanical Study Tendons Orthopedic Research Society Annual Meeting Dallas, Texas	02/2002
Complications of Colles fractures American Academy of Orthopaedic Surgeons Annual Meeting Dallas, Texas	02/2002
Complications of Colles fractures. AAOS Annual Meeting Dallas, Texas	02/2002
Gliding Characteristics of Tendon Repair in Partially Lacerated Canine Flexor Digitorum Profundus Tendons Orthopedic Research Society Annual Meeting Dallas, Texas	02/2002

Treatment of Perilunate Dislocations American Academy of Orthopaedic Surgeons Annual Meeting Dallas, Texas	02/2002
Treatment of Perilunate Dislocations. AAOS Annual Meeting Dallas, Texas	02/2002
Chronic pain Disorders American Society for Surgery of the Hand CTD Symposium Chicago, Illinois	04/2002
Effect of Repetition on Tendon, Muscle and Nerve American Society for Surgery of the Hand CTD Symposium Chicago, Illinois	04/2002
Reoperation for Ulnar Neuropathy American Society for Surgery of the Hand CTD Symposium Chicago, Illinois	04/2002
Reoperation for Ulnar Neuropathy. ASSH CTD Symposium, Chicago, Illinois	04/2002
Classification of Triangular Fibrocartilage Complex Injuries Wrist Arthroscopy Course American Society for Surgery of the Hand Rochester, Minnesota	05/2002
Digit Resistance Within Short Term After FDP Tendon Repair In Canine In Vivo 4th World Congress of Biomechanics Calgary, Alberta, Canada	08/2002
Gliding Resistance Versus Work Of Flexion - Two Methods To Assess Flexor Tendon Repair 4th World Congress of Biomechanics Calgary, Alberta, Canada	08/2002
Pilot Study of Intracellular Signaling in Post-Operative Tendons 4th World Congress of Biomechanics Calgary, Alberta, Canada	08/2002
Tendon Excursion and Gliding Mechanism 4th World Congress of Biomechanics Calgary, Alberta, Canada	08/2002
Management of Cumulative Trauma Disorders of the Upper Limb Annual Meeting, American Osteopathic Association of Orthopedic Surgeons Orlando, Florida	09/2002
Working with State Medical Societies American Academy for Orthopaedic Surgeons Symposium for State Orthopaedic Societies Rosemont, Illinois	11/2002
Working with State Medical Societies. AAOS Symposium for State Orthopaedic Societies Rosemont, Illinois	11/2002
Carpal Instability Orthopedic Conference, ABC Hospital, Mexico Mexico City, Mexico	2003

Epidemiology of Sports Injuries of the Hand and Wrist. AAHS Annual Meeting Kauai, Hawaii	01/2003
Management of Chronic Pain Howard University Orthopedic Conference Washington, District of Columbia	2003
Tendon Injuries Orthopedic Conference, ABC Hospital, Mexico Mexico City, Mexico	2003
Animal Models of Upper Extremity Overuse Orthopaedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
Animal Models of Upper Extremity Overuse. AAOS Annual Meeting New Orleans, Louisiana	02/2003
Characteristics of Gliding Resistance and work of Flexion of Human Cadaver Tendon After Different Tendon Repair Orthopedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
Complications of Colles Fractures Orthopaedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
Complications of Colles Fractures. AAOS Annual Meeting New Orleans, Louisiana	02/2003
Effect of Hyaluronic Acid in the Excursion Resistance of the Tendon Graft Orthopedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
Perilunate Injuries Orthopaedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
Perilunate Injuries. AAOS Annual Meeting New Orleans, Louisiana	02/2003
Primary Epithelioid Sarcoma of the Hand: Mayo Clinic Experience from 1975 to 2000 American Academy of Orthopedic Surgeons Annual Meeting New Orleans, Louisiana	02/2003
Tendon Surface Modification by Chemically Modified HA Coating After Tendon Repair Orthopedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
When is Early Mobilization too early? Orthopedic Research Society Annual Meeting New Orleans, Louisiana	02/2003
History of the Subsynovial Connective Tissue in Carpal Tunnel Syndrome. 11th Annual Brussels International Symposium on the Upper Limb Genval, Belgium	03/2003

Can early Mobilization after Tendon Repair Be Too Early? Combined ASSH-BSSH Meeting Cambridge, England	04/2003
Surgical Evaluation of Hand Problems in Musicians. ASSH Annual Meeting Chicago, Illinois	09/2003
Pyrolytic Carbon MCP Arthroplasty. ASHT Annual Meeting Hollywood, California	10/2003
Clinical and Research Aspects of Tendon Injury Kumamoto University Department of Orthopaedic Surgery Kumamoto, Japan	11/2003
Expression of Growth Factors in Canine Flexor Tendon after Laceration In Vivo. AAHS Annual Meeting Palm Springs, California	01/2004
Management of the Musician's Hand. AAHS Annual Meeting Palm Springs, California	01/2004
Measurement of Gliding Resistance of the EPL and EDC. AAHS Annual Meeting Palm Springs, California	01/2004
Tendon transfers for radial nerve injury. AAHS Annual Meeting Palm Springs, California	01/2004
The Evidence for Repetitive Microtrauma as a Factor in the Etiology of Carpal Tunnel Syndrome. National Advisory Committee on Ergonomics Symposium Washington, District of Columbia	01/2004
The Painful Neuroma. AAHS Annual Meeting Palm Springs, California	01/2004
Cumulative Trauma Disorders. ASSH Cluster Course Program Orlando, Florida	02/2004
Tendon Anatomy and Tendon Healing. ASSH Cluster Course Program Orlando, Florida	02/2004
Tendon Repair. ASSH Cluster Course Program Orlando, Florida	02/2004
Cubital Tunnel Syndrome. A Fourth Decade of Tendon and Nerve Surgery Philadelphia, Pennsylvania	03/2004
Managing Chronic pain. A Fourth Decade of Tendon and Nerve Surgery Philadelphia, Pennsylvania	03/2004
New Techniques of Tendon Rehabilitation. Surgery and Rehabilitation of the Hand Philadelphia, Pennsylvania	03/2004



New Techniques of Tendon Repair. A Fourth Decade of Tendon and Nerve Surgery Philadelphia, Pennsylvania	03/2004
Pathophysiology of Carpal Tunnel Syndrome. Surgery and Rehabilitation of the Hand Philadelphia, Pennsylvania	03/2004
Surgical Treatment of Carpal Tunnel Syndrome. Surgery and Rehabilitation of the Hand Philadelphia, Pennsylvania	03/2004
The Effect of Friction on Tendon Healing. Surgery and Rehabilitation of the Hand Philadelphia, Pennsylvania	03/2004
Is It Work Related? ASSH/AAHS Symposium on Work Related Upper Extremity Disorders Chicago, Illinois	05/2004
Managing the Gliding Surface. Taiwan Hand Society Annual Meeting Kaohsiung,, Taiwan	05/2004
Multiply Operated Cubital Tunnel Syndrome. ASSH/AAHS Symposium on Work Related Upper Extremity Disorders Chicago, Illinois	05/2004
Return to Work. ASSH/AAHS Symposium on Work Related Upper Extremity Disorders Chicago, Illinois	05/2004
RSD. ASSH/AAHS Symposium on Work Related Upper Extremity Disorders Chicago, Illinois	05/2004
Working with the Workers' Compensation System. ASSH/AAHS Symposium on Work Related Upper Extremity Disorders Chicago, Illinois	05/2004
Hand Problems in Musicians. 9th Triennial Congress of IFSSH Budapest, Hungary	06/2004
Operations I No Longer Do. 9th Triennial Congress of IFSSH Budapest, Hungary	06/2004
The Evidence for Work Relatedness of Elbow and Wrist Problems. Combined AAHS-Romanian SSH Meeting, Bucharest, Romania	06/2004
Effect of Gap Size on Gliding Resistance After Flexor Profundus Tendon Repair: A Biomechanical Evaluation in Human In Vitro Study. 14th Biennial Meeting European Society of Biomechanics s'Hertogenbosch, Netherlands	07/2004
Strength of Suture-Tendon Interface Increased by Eyelet Modification. 14th Biennial Meeting, European Society of Biomechanics s'Hertogenbosch, Netherlands	07/2004
The Care of the Gliding Surface. Gordon Research Conference Andover, New Hampshire	07/2004

Clinical Trials. ASSH Annual Meeting New York, New York	09/2004
Extensile Exposure of the Elbow. ASSH Annual Meeting New York, New York	09/2004
Midcarpal Instability after STT Resection. International Wrist Investigators' Workshop. New York, New York	09/2004
Surgical Management of the Musician's Hand. Combined Meeting of Italian and German Hand Societies Merrano, Italy	09/2004
Flexor Digitorum Profundus Tendon Tension During Finger Manipulation. 5th APFSSH Osaka, Japan	11/2004
Gliding Resistance of Extrasynovial Tendon Coated with Chemically Modified Hyaluronic Acid. 5th APFSSH Osaka, Japan	11/2004
Surgical Evaluation of the Musician's Hand, 5th Triennial Meeting of Asia-Pacific Federation of Societies for Surgery of the Hand Osaka, Japan	11/2004
Generic and Condition Specific Outcomes Questionnaires AAHS Annual Meeting Fajardo	01/2005
Repair of Zone 1 and Zone 2 Flexor Tendon Injuries in Children. AAHS Annual Meeting Fajardo	01/2005
Factors to Consider in Choosing Surgical Intervention for Work-Related Musculoskeletal Disorders. Clinical Specialties Meeting of the American Physical therapy Association New Orleans, Louisiana	02/2005
Holistic Treatment of Upper Extremity Work-Related Musculoskeletal Disorders with Surgical Intervention. Clinical Specialties Meeting of the American Physical therapy Association New Orleans, Louisiana	02/2005
Carpal Instability: Known Knowns, Known Unknowns. Australia-New Zealand Combined Hand Surgery Meeting Queenstown, New Zealand	03/2005
Compression Neuropathies South Australia Hand Club meeting Adelaide, Australia	03/2005
Interpretation of Elbow Xrays. The Elbow, an Unforgiving Joint. Philadelphia, Pennsylvania	03/2005
Management of Chronic Pain. Australia-New Zealand Combined Hand Surgery Meeting. Queenstown, New Zealand	03/2005

New Methods of Tendon Rehabilitation. Australia-New Zealand Combined Hand surgery Meeting. Queensland, New Zealand	03/2005
New Techniques of Tendon Rehabilitation. The Elbow, an Unforgiving Joint. Philadelphia, Pennsylvania	03/2005
Tendon Surgery in the 21st Century. Australia-New Zealand Combined Hand Surgery Meeting Queenstown, New Zealand	03/2005
Thumb CMC Surgery: Are We Making Progress? Australia-New Zealand Combined Hand Surgery Meeting. Queenstown, New Zealand	03/2005
How to Avoid Annoying the Reviewers. AAOS/OREF Grant Writing Workshop Tampa, Florida	04/2005
Current Trends in Tendon Surgery Hand Surgery Seminar Massachusetts General Hospital Boston, Massachusetts	05/2005
New Concepts in Carpal Tunnel Surgery Richard J Smith Symposium Boston, Massachusetts	05/2005
Operations I no Longer Do Boston Hand Club Boston, Massachusetts	05/2005
Treatment of Ulnar Neuropathy Plastic Surgery Conference, Massachusetts General Hospital Boston, Massachusetts	05/2005
The Subsynovial Connective Tissue. Annual Meeting, American Association of Clinical Anatomists New York, New York	07/2005
New Concepts of Carpal Tunnel Syndrome. International Wrist Investigators' Workshop San Antonio, Texas	09/2005
Cubital Tunnel Syndrome. American Association for Hand Surgery Annual Meeting Tucson, Arizona	01/2006
Is It Work Related? American Association for Hand Surgery Annual Meeting Tucson, Arizona	01/2006
The Evidence for Steroid Injections. American Association for Hand Surgery Annual Meeting Tucson, Arizona	01/2006
The Search for the Perfect Slide. American Association for Hand Surgery Annual Meeting Tucson, Arizona	01/2006
Thumb Carpometacarpal Arthroplasty. American Association for Hand Surgery Annual Meeting Tucson, Arizona	01/2006

CTD in Athletes and Musicians ASSH Modular Course Program Tampa, Florida	02/2006
Physiology of Cumulative Trauma Disorders. ASSH Modular Course Program Tampa, Florida	02/2006
Swan Neck Deformity. BSSH Symposium on Tendon and Nerve Injury. Manchester, England	02/2006
Tendon anatomy. BSSH Symposium on Tendon and Nerve Injury. Manchester, England	02/2006
Tendon Healing. ASSH Modular Course Program Tampa, Florida	02/2006
Tendon Transfers for Ulnar Neuropathy. BSSH Symposium on Tendon and Nerve Injury. Manchester, England	02/2006
Treatment of Joint Contractures. BSSH Symposium on Tendon and Nerve Injury. Manchester, England	02/2006
Treatment of tendon Rupture. BSSH Symposium on Tendon and Nerve Injury. Manchester, England	02/2006
Zone 2 Repair. ASSH Modular Course Program Tampa, Florida	02/2006
Coping with the Complex Wrist. Philadelphia Hand Symposium: Desperate Surgeons Philadelphia, Pennsylvania	03/2006
Imaging the Wrist. Philadelphia Hand Symposium: Desperate Surgeons Philadelphia, Pennsylvania	03/2006
Tendon Surgery 2006. AAOS Annual Meeting Chicago, Illinois	03/2006
History of Mayo Clinic Jewish Hospital Plastic Surgery Conference	05/2006
Carpal Tunnel Syndrome-the Role of the Subsynovial Connective Tissue. 5th World Congress of Biomechanics. Munich, Germany	08/2006
Improvement of Tendon Lubrication. 5th World Congress of Biomechanics. Munich, Germany	08/2006
Carpal Tunnel Syndrome. Mayo Hand Club Meeting, Spain Barcelona, Spain	09/2006

Reoperation of the Ulnar Nerve. ASSH Annual Meeting Washington, District of Columbia	09/2006
Clinical and Radiographic Examination of the Wrist. 3rd European Advanced Course in Hand Surgery. Budapest, Hungary	10/2006
Distal Radius Fractures and Malunions. 3rd European Advanced Course in Hand Surgery. Budapest, Hungary	10/2006
Flexor Tendon Repair at the Wrist. 3rd European Advanced Course in Hand Surgery. Budapest, Hungary	10/2006
Kienbocks Disease. 3rd European Advanced Course in Hand Surgery, Budapest, Hungary	10/2006
Scaphoid Fractures and Nonunions. 3rd European Advanced Course in Hand Surgery. Budapest, Hungary	10/2006
Rapid Recovery from Tendon Injury. AAHS Annual Meeting, Puerto Rico Rio Grande, Puerto Rico	01/2007
The Science of Tendon Healing. AAHS Annual Meeting, Puerto Rico Rio Grande, Puerto Rico	01/2007
Tendon Surgery in the 21st Century Erasmus University Rotterdam, Netherlands	02/2007
Carpal Instability. First Pan Pacific Hand and Upper Limb Trauma Symposium. Queenstown, New Zealand	03/2007
Tendon Healing. IFSSH Triennial Congress. Sydney, Australia	03/2007
Update on Tendon Repair. First Pan Pacific Hand and Upper Limb Trauma Symposium. Queenstown, New Zealand	03/2007
Tendon Healing FESSH Annual Meeting. Athens, Greece	06/2007
Ulnar Neuropathy- the Evidence for Electromyography. ASSH Annual Meeting Seattle, Washington	09/2007
Ulnar Neuropathy- the Evidence for Postoperative Rehabilitation. ASSH Annual Meeting Seattle, Washington	09/2007
Ulnar Neuropathy- the Evidence for Reoperation. ASSH Annual Meeting Seattle, Washington	09/2007

Ulnar Neuropathy- the Evidence for Submuscular Transposition. ASSH Annual Meeting Seattle, Washington	09/2007
Carpal Instability. Annual Meeting AAHS Beverly Hills, California	01/2008
Les Chirurgies que je n'en fait plus. SFCM Annual Meeting. Paris, France	2008
Tendon Healing. Annual Meeting AAHS Beverly Hills, California	01/2008
What's New in Hand Surgery in the US. 4th Annual Japan Alps Orthopaedic Conference. Matsumoto, Japan	2008
When Bad Things Happen to Good People. Annual Meeting AAHS Beverly Hills, California	01/2008
Compression Neuropathy. Cairo International Hand Conference. Cairo, Egypt	03/2008
Imaging of the Elbow for Hand Therapists. Surgery and Rehabilitation of the Hand, Philadelphia, Pennsylvania	03/2008
Practical Imaging of the Elbow. The Elbow- An Unforgiving Joint. Surgery and Rehabilitation of the Hand, Philadelphia, Pennsylvania	03/2008
Tendon Healing. Surgery and Rehabilitation of the Hand, Philadelphia, Pennsylvania	03/2008
Tendon Injuries Cairo International Hand Conference. Cairo, Egypt	03/2008
Tendon Panel. Cairo International Hand Conference. Cairo, Egypt	03/2008
Tendon Transfers. Cairo International Hand Conference. Cairo, Egypt	03/2008
Tenolysis. Surgery and Rehabilitation of the Hand, Philadelphia, Pennsylvania	03/2008
Carpal Tunnel Syndrome: From Basic Science to Clinical Aspects. 51st Meeting of Japanese Society for Surgery of the Hand, Invited Lecture Tsukuba, Japan	04/2008
Differential Motion of the Median Nerve and SSCT Within the Carpal Tunnel. 51st Meeting of Japanese Society for Surgery of the Hand. Tsukuba, Japan	04/2008

Hand Surgery in Rheumatoid Arthritis Orthopedic Conference, Nihon University, Tokyo	04/2008
Lubricin Surface Modification Improves Extrasynovial Tendon Grafting in a Canine Model In Vitro. 51st Meeting of Japanese Society for Surgery of the Hand. Tsukuba, Japan	04/2008
Lubricin Surface Modification Improves Tendon Gliding After Tendon Repair in a Canine Model In Vitro. 51st Meeting of Japanese Society for Surgery of the Hand. Tsukuba, Japan	04/2008
Mechanical Properties of the Rabbit Carpal Tunnel Subsynovial Connective Tissue. 51st Meeting of Japanese Society for Surgery of the Hand. Tsukuba, Japan	04/2008
Open and Endoscopic CTR in the US. 51st Meeting of Japanese Society for Surgery of the Hand, Invited Lecture Tsukuba, Japan	04/2008
Variability Within the 5th Extensor Compartment. 51st meeting of Japanese Society for Surgery of the Hand. Tsukuba, Japan	04/2008
Biology of Tendon Repair 5th Annual Orthopedic Research Conference, Loma Linda University	05/2008
Carpal Instability 5th Annual Orthopedic Research Conference, Loma Linda University	05/2008
History of the Mayo Clinic 5th Annual Orthopedic Research Conference, Loma Linda University,	05/2008
Operations I no Longer Do 5th Annual Orthopedic Research Conference, Loma Linda University	05/2008
A Novel Animal Model for Carpal Tunnel Syndrome. Musculoskeletal Gordon Research Conference Andover, New Hampshire	07/2008
Engineering the Gliding Surface of Tendons. 46th Annual Meeting of Societa Italiana di chirurgia della mano. Trapani, Italy	09/2008
Innovations in Surgery for Tendon Repair. 46th Annual Meeting of Societa Italiana di chirurgia della mano. Trapani, Italy	09/2008
Investigation of Tendon Lubrication. 46th Annual Meeting of Societa Italiana di chirurgia della mano. Trapani, Italy	09/2008
Outcome Measures- Which to Use. ASSH Annual Meeting Chicago, Illinois	09/2008
Suggestions for EBM Studies. ASSH Annual Meeting Chicago, Illinois	09/2008
Operations I No Longer Do. BSSH-ISSH Combined Meeting. Bangalore, India	11/2008

Problems following carpal tunnel release. BSSH-ISSH Combined Meeting. Bangalore, India	11/2008
Carpal Tunnel Syndrome: Current Practice and Its Research Base Yamagata University Orthopaedic Conference, Japan	2009
The Subsynovial Connective Tissue and Carpal Tunnel Syndrome. International Pain Symposium. Tokyo, Japan	2009
Undisplaced Scaphoid Fractures: The Case for Nonoperative Treatment. AAHS Annual Meeting Maui, Hawaii	01/2009
Washington Report O'Leary Dermatology Society Annual Meeting Rochester, Minnesota	2009
Outcomes: Everyone Wants to Know if Your patient is satisfied. ASSH/AAHS Specialty day Las Vegas, Nevada	02/2009
Hand Therapy after CTR. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
Imaging the Normal Wrist. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
New Research on CTS. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
Practical Pearls: CMC Arthroplasty. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
The Mayo Clinic and Healthcare Reform National Hispanic Medical Association Annual Meeting Brooklyn, New York	03/2009
Treatment of Compression Neuropathies at the Wrist. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
What's New: Tendon Repairs. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
Wrist Forensics. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2009
Tendon surgery-Tissue Engineering to the Rescue? 112th Annual Meeting, Central Japan Society for Orthopaedics and Traumatology. Kyota, Japan	04/2009
New Ideas in Tendon Research. Mayo Hand Club International Symposium. St Tropez, France	05/2009



Outcomes in Hand Surgery. AAOS Outcomes Symposium Albuquerque, New Mexico	05/2009
Cubital Tunnel Syndrome: Treatment Options. FESSH Annual Congress. Poznan, Poland	06/2009
Hand Problems in Musicians. 27th annual PAMA Annual Meeting Aspen, Colorado	06/2009
Nerve Compression in Musicians. 13th Esser Course Rotterdam, Netherlands	06/2009
New Concepts in Carpal Tunnel Syndrome. 13th Esser Course. Rotterdam, Netherlands	06/2009
Complications of Tendon Repair. ASSH Annual Meeting San Francisco, California	09/2009
Health Policy Update. O'Leary Dermatology Society Annual Meeting. Rochester, Minnesota	09/2009
Mechanics of Tendon Glide. La Federacion de Mano Annual Meeting San Francisco, California	09/2009
Bridging Gaps in Partial Nerve Injuries. AAHS Annual Meeting Boca Raton, Florida	01/2010
Healthcare Reform Update Mayo Alumni Assn Washington DC Chapter	2010
Tendon Healing: New Ideas for the 21st Century AAHS Annual Meeting Boca Raton, Florida	01/2010
Tissue Engineering for tendon Repair Orthopaedic conference, University of the Ryukyus, Japan	2010
Health Care Reform and Health Care Disparities: What is the Solution? What is the Solution? National Hispanic Medical Association 14th Annual Conference Washington, District of Columbia	03/2010
Tendon Surgery Update. ASHT Annual Meeting Orlando, Florida	06/2010
CMC Prosthetic Arthroplasty. ASSH Annual Meeting Boston, Massachusetts	10/2010
Evidence Based Guidelines for CTS. ASSH Annual Meeting Boston, Massachusetts	10/2010

Evidence-based Medicine and its Relevance in Hand Surgery. ASSH Annual Meeting Boston, Massachusetts	10/2010
The Musician's Hand. 11th IFSSH Congress. Seoul, South Korea	10/2010
Trapezium Excision Arthroplasty: Still a Useful Technique? Societa di Chirurgia della Mano 48th Annual Meeting Savona, Italy	10/2010
Innovations in Flexor Tendon Repair and Reconstruction. 11th IFSSH Congress. Seoul, South Korea	11/2010
Pathophysiology of CTS: Biomechanical Approach. 11th IFSSH Congress. Seoul, South Korea	11/2010
Revascularization for Kienböck's Disease. 11th IFSSH Congress Seoul, South Korea	11/2010
The Effect of Core Suture Technique and Type on the Gliding Resistance during Cyclic Motion following Flexor Tendon Repair: A Cadaveric Study. 11th IFSSH Congress. Seoul, South Korea	11/2010
The Role of Wide Awake Surgery in an Academic Hand Surgery Practice. 11th IFSSH Congress. Seoul, South Korea	11/2010
The Team Approach to Tumors. 11th IFSSH Congress. Seoul, South Korea	11/2010
Effect of velocity on the strength of tendon repair American College of Surgeons Annual Meeting San Francisco, California	2011
The SSCT and CTS Erasmus University Netherlands Rotterdam	2011
Management of Failed and Recurrent Carpal Tunnel Syndrome. AAOS Annual Meeting San Diego, California	02/2011
Imaging of the Elbow -X-ray, MRI, Arthrogram, Ultrasound. Surgery and Rehab of the Hand; with Emphasis on the Elbow and Shoulder Philadelphia, Pennsylvania	03/2011
Accountable Care Organizations: can they save Medicare. Mayo Alumni Association International Meeting. Athens, Greece	05/2011
Longitudinal Motion of the Flexor Tendon and Subsynovial Tissue in Carpal Tunne Syndrome: Ultrasound Assessment with Speckle Tracking and In Vivo Validation. EFSSH Annual Meeting. Oslo, Norway	05/2011

Median Nerve Deformation and Displacement in the Carpal Tunnel During Index Finger and Thumb Motion. EFSSH Annual Meeting. Oslo, Norway	05/2011
Median Nerve Deformation in Differential Finger Motions: Ultrasonographic Comparison of Carpal Tunnel Syndrome Patients and Healthy Controls. EFSSH Annual Meeting Oslo, Norway	05/2011
A New Knot for Tendon Repair. Hand Forum Nantucket, Massachusetts	09/2011
Flexor Tendon Repair. ASSH Annual Meeting Las Vegas, Nevada	09/2011
Management of Nerve Pain. ASSH Annual Meeting Las Vegas, Nevada	09/2011
Revascularization for Kienböck's Disease. ASSH Annual Meeting Las Vegas, Nevada	09/2011
Clinical Productivity and Clinician Scholars at Mayo Clinic. AAOS Clinician Scientist Development Program Rosemont, Illinois	10/2011
Creating a successful environment. AAOS Clinician Scientist Development Program Rosemont, Illinois	10/2011
Therapy of basal thumb osteoarthritis. German Society for Surgery of the Hand. Bonn, Germany	10/2011
Tissue Engineering to Improve Flexor Tendon Surgery. German Society for Surgery of the Hand. Bonn, Germany	10/2011
Finding Time and Resources for Research Iwate University, Japan Morioka	2012
Scaphoid Malunion AAHS annual meeting Las Vegas, Nevada	01/2012
Scaphoid Malunion St. Marianna University, Japan Kawasaki	2012
Uncommon Nerve Compression Syndromes in the Hand. AAHS annual meeting Las Vegas, Nevada	01/2012
A New Theory of CTS. Eastern Japan Society for Surgery of the Hand Morioka, Japan	03/2012
Current Concepts in Tendon Repair. 18th Esser Course, Bend or Break. Rotterdam, Netherlands	03/2012

Integrating the Current Concepts of Tendon Healing and Tissue Engineering. ASSH-AHSS meeting Kauai, Hawaii	03/2012
The Subsynovial Connective Tissue and Carpal Tunnel Syndrome: New Ideas on Diagnosis and Etiology. ASSH- AHSS meeting Kauai, Hawaii	03/2012
Tissue Engineering for Tendon Repair. 18th Esser Course, Bend or Break. Rotterdam, Netherlands	03/2012
Tissue Engineering for Tendon Surgery. Eastern Japan Society for Surgery of the Hand Morioka, Japan	03/2012
The Effect of Time, after Shear Injury, on the Subsynovial Connective Tissue and Median Nerve Within the Rabbit Carpal Tunnel. 17th annual FESSH meeting. Antwerp, Belgium	06/2012
The incidence of acute traumatic tendon injuries in the hand and wrist 17th annual FESSH meeting	06/2012
The incidence of acute traumatic tendon injuries in the hand and wrist. 17th annual FESSH meeting. Antwerp, Belgium	06/2012
The Mechanical Properties of Human Cadaver Subsynovial Connective Tissue: The Effect of Amount of Displacement. 17th annual FESSH meeting. Antwerp, Belgium	06/2012
Tendon Surgery-Bench to Bedside Gordon Conference Andover, New Hampshire	08/2012
Revascularization for Kienböck's Disease ASSH Annual Meeting Chicago, Illinois	09/07/2012
Tendon Reconstruction ASSH Annual Meeting Chicago, Illinois	09/08/2012
On being curious. British Orthopaedic Assn Manchester, United Kingdom	10/2012
Reoperation for cubital tunnel syndrome. AAHS Annual meeting Naples, Florida	01/2013
Scar prevention Extremity war injuries symposium Washington, District of Columbia	02/2013
A new knot for tendon surgery IFSSH triennial congress New Delhi, India	03/2013
How the wide awake method can change hand surgery. AAOS Annual Meeting Chicago, Illinois	03/2013

Tissue engineering for tendon reconstruction IFSSH triennial Congress New Dehli, India	03/2013
Wrist imaging Philadelphia Hand Symposium Philadelphia, Pennsylvania	04/2013
Burnout AAOS Clinician Scientist Development Program Rosemount, Illinois	09/2013
Getting involved in Administration AAOS Clinician Scientist Development Program Rosemount, Illinois	09/2013
Tissue Engineering & Tendon... where are we now? ASSH Annual Meeting San Francisco, California	10/2013
WALANT in an Academic Practice ASSH Annual Meeting San Francisco, California	10/2013
What's new in flexor tendon surgery. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2015
Wide awake hand surgery. AAOS Annual Meeting. Las Vegas, Nevada	03/2015
What's new in tendon rehabilitation. Hand Forum. Healdsburg, California	05/2015
Mayo Clinic Update. Mayo German-Speaking Alumni Association Meeting Mulheim, Germany	06/2015
Tissue engineering for better results after tendon surgery. University of Pennsylvania Orthopaedic Research Symposium Philadelphia, Pennsylvania	06/2015
Tissue Engineering for Tendon Repair ABJS annual Meeting	07/09/2015 - 07/11/2015
CT-a new paradigm Colombian Association for Hand Surgery Annual Meeting Cartagena, Colombia	08/27/2015 - 08/30/2015
Cubital Tunnel Syndrome Colombian Association for Hand Surgery Annual Meeting Cartagena, Colombia	08/27/2015 - 08/30/2015
Kienbock's Disease Colombian Association for Hand Surgery Annual Meeting	08/27/2015 - 08/30/2015
Scaphoid Malunion Columbian Association Hand Surgery Annual Meeting	08/27/2015 - 08/30/2015
Tissue Engineering for Tendon Surgery Colombian Association for Hand Surgery Annual Meeting	08/27/2015 - 08/30/2015
Understanding Carpal Instability Colombian Association for Hand Surgery Annual Meeting	08/27/2015 - 08/30/2015

Thoughts on wide awake tendon surgery and trapeziectomy ASSH Annual Meeting	09/10/2015 - 09/12/2015
Academic Promotion in Orthopaedics AAOS Clinician Scientist Development Symposium	09/24/2015 - 09/26/2015
Getting Involved in Hospital Administration AAOS Clinician Scientist Development Symposium	09/24/2015 - 09/26/2015
Impact of Research on Current Practice of Tendon Surgery ASHT Annual Meeting	10/08/2015 - 10/11/2015
Mentorship ASHT Annual Meeting	10/08/2015 - 10/11/2015
Five Myths about Tendon Surgery AAHS Annual Meeting	01/13/2016 - 01/16/2016
Wide Awake Surgery AAHS Annual Meeting	01/13/2016 - 01/16/2016
A Global Approach to Pain Management International Symposium on the Hand/Upper Extremity	01/29/2016 - 01/30/2016
A Global Approach to the Management of Chronic Pain in the Upper Limb XXIVth Genval-Brussels Hand/Upper Limb Symposium on Pain and Functional Impairment after Hand/Upper Extremity Surgery-Causes, Prevention, Management and Rehabilitation	01/29/2016 - 01/30/2016
Wide Awake Surgery and Pain Management XXIVth Genval-Brussels Hand/Upper Limb Symposium on Pain & Functional Impairment after Hand/Upper Extremity Surgery	01/29/2016 - 01/30/2016
Wide Awake Surgery for Improved Pain Control International Symposium on the Hand/Upper Extremity	01/29/2016 - 01/30/2016
20 Questions on Flexor Tendon Injury 20/20-Practical News You Can Use-20 Ways to Battle Proof and Improve Your Treatment of Common Hand Problems Philadelphia Hand Symposium	03/12/2016 - 03/14/2016
Nerve Compression Syndromes of the Upper Extremity. 20/20: Practical News You Can Use-20 Ways to Battle Proof and Improve Your Treatment of Common Hand Problems. Philadelphia Hand Symposium	03/12/2016 - 03/14/2016
Troublesome Tendon Problems-20/20 Practical News You Can Use-20 Ways to Battle Proof and Improve Your Treatment of Common Hand Problems. Philadelphia Hand Symposium	03/12/2016 - 03/14/2016
The Effect of the Subsynovial connective Tissue in the Carpal Tunnel on Finger Motion in Health and Disease. ISEK	07/06/2016 - 07/08/2016
How to Get Involved with Administration AAOS CSDP Symposium	09/16/2016
What's New in Tendon Research DGH/AAHS International Symposium	09/21/2016 - 09/24/2016
Wide Awake CMC Arthroplasty DGH/AAHS International Symposium	09/21/2016 - 09/24/2016
New Paradigms in the Treatment of CTS 127th Meeting of the Central Japan Society for Orthopaedics and Traumatology. Matsumoto, Japan	09/29/2016 - 10/01/2016

Flexor Tendon Techniques & Results IFSSH Congress	10/24/2016 - 10/28/2016
Use of Stem Cells to Improve the Results of Bone and Nerve Repair and Reconstruction. IFSSH Congress	10/24/2016 - 10/28/2016
Wide Awake Surgery in an Academic Center IFSSH Congress	10/24/2016 - 10/28/2016
Biomechanics of wrist and relevance to clinical practice. Chinese Association Annual Meeting	11/14/2016 - 11/19/2016
Tissue Engineering for Flexor Tendon Repair and Reconstruction Chinese Orthopaedic Association Annual Meeting	11/14/2016 - 11/19/2016
Personal Tips and Tricks for Wide Awake Surgery AAHS Annual Meeting	01/10/2017 - 01/14/2017
Wide Awake Thumb Basal Joint Arthritis and MP Arthroplasty AAHS Annual Meeting	01/10/2017 - 01/14/2017
Wide Awake thumb CMC Surgery AAOS Annual Meeting	03/15/2017
Tendon Research Update ORS Annual Meeting Sao Carlos, Brazil	03/22/2017
Fact or Fiction in Tendon Surgery International Symposium on "Truth or Dare" in Hand Surgery & Therapy"	04/20/2017
The Mayo Model of Translational Research AAOS Symposium of Pathways to Translation	05/11/2017 - 05/13/2017
Cellular Senescence in Carpal Tunnel Syndrome ORS Annual Meeting	03/2018
<b>Regional</b>	
<b>Invited</b>	
How to conduct successful clinical trials Orthopedic grand rounds Mayo Clinic Rochester, Minnesota	2011
Practice guidelines in orthopedic surgery: Are they worth the effort? Health Sciences Research Grand Rounds Mayo Clinic Rochester, Minnesota	2011
Subsynovial connective tissue: The cause of carpal tunnel syndrome? CTSA Grand Rounds Mayo Clinic Rochester, Minnesota	2011
Tissue engineering and tendon surgery. Grand Rounds Mayo Clinic Rochester, Minnesota	2011
Bedside to bench and back again. Physiology and Biomedical Engineering conference Mayo Clinic Rochester, Minnesota	2014

Bedside to bench and back again. Physiology and Biomedical Engineering Conference	2014
Wide awake hand surgery. Hand Conference, Mayo Clinic	2014
Carpal Tunnel Syndrome: A new paradigm. Grand Rounds, Mayo Clinic	2015
<b>Oral</b>	
Human Anatomy Laboratory and Lecture Series Harvard Medical School Boston, Massachusetts	1975
Flexor Tendon Healing Hand Surgery Seminar SUNY at Stony Brook Stony Brook, New York	1981
Principles of Tendon Transfer Hand Surgery Seminar SUNY at Stony Brook Stony Brook, New York	1981
Pediatric Osteomyelitis and Pyarthrosis Pediatric Orthopaedic Seminar SUNY at Stony Brook Stony Brook, New York	1982
Radiology of the Pediatric Hip Pediatric Orthopaedic Seminar SUNY at Stony Brook Stony Brook, New York	1982
Staged Tendon Reconstruction Smithtown General Hospital, St John's Episcopal Hospital Combined Orthopaedic Conference Smithtown, New York	1982
Evaluation of the Injured Hand Emergency Department Conference SUNY at Stony Brook Stony Brook, New York	1983
Osteoarthritis of the Thumb Hand Surgery Seminar SUNY at Stony Brook Stony Brook, New York	1983
Primary Repair of Finger Flexor Tendons and Sheath American College of Surgeons Eastern Long Island Chapter Montauk, New York	1983
Sports Injuries to the Upper Extremity Los Robles Regional Medical Center Athletic Sports Medicine and Coach Certification Conference Thousand Oaks, California	1985
Staged Tendon Reconstruction Jefferson Hand Club Philadelphia, Pennsylvania	1985
Surgical Management of Rheumatoid Arthritis in the Hand and Wrist Annual Fall Symposium, Chapter 136, American Association of Surgical Technicians Rochester, Minnesota	1986
Sporotrichosis of the Upper Extremity Minnesota Orthopedic Society Annual Meeting Minneapolis, Minnesota	1987



Deep Postoperative Wound Infection Following Carpal Tunnel Release Minnesota Orthopedic Society Annual Meeting Minneapolis, Minnesota	1988
Hand Fractures Michael Reese Hospital Orthopedic Conference Chicago, Illinois	1988
Tenolysis Michael Reese Hospital Orthopedic Conference Chicago, Illinois	1988
Carpal Instability Jewish Hospital Hand Conference Louisville, Kentucky	1989
Classification of Carpal Instability Jewish Hospital Hand Conference Louisville, Kentucky	1990
Congenital Digital Anomalies Associated with the Klippel-Trenaunay Syndrome Minnesota Orthopaedic Society Annual Meeting Minneapolis, Minnesota	05/1990
Entrapment Syndromes of the Upper Extremities Minnesota American Physical Therapy Association Minneapolis, Minnesota	1993
Classification of Carpal Instability Rocky Mountain Hand Club Denver, Colorado	1994
Medicine as a Career Bellarmine College Honors Seminar Louisville, Kentucky	1994
Outcomes Research and Medicine Mercy East Health Center Des Moines, Iowa	1994
Outcomes Research and Outcomes Management St Anthony Medical Center Crown Point, Indiana	1994
The ACS and Outcomes - The EA Codman Story Minnesota Chapter ACS Minneapolis, Minnesota	1994
Biomechanical Analysis of the Drag Between the Flexor Digitorum Profundus Tendon and the A-2 Fibrous Pulley 10th Annual Meeting, Minnesota Orthopedic Society Rochester, Minnesota	04/1994
Information Technology at Mayo Minnesota Healthcare Financial MGMT Association Minneapolis, Minnesota	1995
Management of Chronic Pain Disorders Fergus Falls Hospital Fergus Falls, Minnesota	1995
Outcomes Research in Hand Surgery El Paso Hand Club El Paso, Texas	1995

Outcomes Research Prairie Hand Club Des Moines, Iowa	1997
Mayo Clinic Dupont Hospital Nurses Conference Louisville, Kentucky	1998
Outcomes Research Dupont Hospital Staff Conference Louisville, Kentucky	1998
The Challenge of Outcomes Research Jefferson Medical College Alumni Clinics Philadelphia, Pennsylvania	06/1998
Carpal Instability Plastic Surgery Grand Rounds University of Michigan Ann Arbor, Michigan	2001
Flexor Tendon Surgery Plastic Surgery Grand Rounds University of Michigan Ann Arbor, Michigan	2001
Operations I No Longer Do University of Michigan Robert Wood Johnson Scholars Program Ann Arbor, Michigan	2001
Management of Common Hand Problems Rice Memorial Hospital Medical Staff Conference Willmar, Minnesota	2003
Operations I No Longer Do Chicago Hand Club Chicago, Illinois	2003
Chronic Perilunate Dislocations. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2003
Evaluation of the Wrist. Philadelphia Hand Symposium Philadelphia, Pennsylvania	03/2003
Current Trends in Tendon Surgery. Wisconsin Hand Experience Milwaukee, Wisconsin	05/2005
Interpretation of X-rays. Wisconsin Hand Experience Milwaukee, Wisconsin	05/2005
Health Care Reform Mayo Alumni Association Washington, DC	2009
Healthcare Reform Update MMA Annual Meeting Rochester, Minnesota	2009
Healthcare Reform Update MMGMA Annual Meeting Rochester, Minnesota	2009

Healthcare Reform Update Mayo Alumni Assn Des Moines Chapter	2010
Operations I no longer do. Mayo Clinic Hand Symposium Rochester, Minnesota	05/2015
PIP Arthroplasty Mayo Clinic Hand Symposium	05/2015
PIP arthroplasty Mayo Clinic Hand Symposium Rochester, Minnesota	05/2015
CMC Arthroplasty Disorders of the Wrist	05/18/2016 - 05/22/2016
<b>Unclassified</b>	
Invited Speaker Italian Society for Surgery of the Hand Trapani, Italy	09/15/2008 - 09/17/2008
Visiting Professor Department of Plastic Surgery, Albany Medical College Albany, New York	08/02/2012

## Visiting Professorship

### Visiting Professorships

University of Iowa Department of Orthopaedics Iowa City, Iowa	06/1988
University of Edmonton Department of Orthopaedics Edmonton, Alberta, Canada	11/1990
University of Southern California Los Angeles, California	04/1991
Wayne State University Detroit, Michigan	04/1991
University of Montpellier Montpellier, France	11/1991
Kyoto Prefectural University Kyoto, Japan	1992
Balgrist Clinic Zurich, Switzerland	1993
Brown University Providence, Rhode Island	1994
University of Brescia Brescia, Italy	03/1994
Munkacsı Lectureship University of Saskatoon Saskatoon, Saskatchewan, Canada	12/1994
Invited Lecturer British Society for Surgery of the Hand Oxford, United Kingdom	03/1995

Department of Orthopaedics, University of Newcastle Newcastle, United Kingdom	07/1996
University of Mississippi Jackson, Mississippi	04/1997
Shinsu University Matsumoto, Japan	05/1997
St Marianna University Kawasaki, Japan	05/1997
Invitational Lecturer Japanese Society for Surgery of the Hand Morioka, Japan	05/1997
Invitational Lecturer Belgian Orthopedic Society Brussels, Belgium	07/1997
Keynote Speaker 4th International Conference on Precision Agriculture Minneapolis, Minnesota	1998 - Present
Thesis Opponent Lund University Sweden	05/1999
Central Japan Society for Surgery of the Hand Matsumoto, Japan	2000
Gifu University Gifu, Japan	2000
Nihon University Tokyo, Japan	2000
Invited participant WHO Symposium on Burden of Musculoskeletal Disease Geneva, Switzerland	2000
Invited Lecturer 8th Annual Meeting of the Irish Society for Surgery of the Hand Galway, Ireland	03/2001
Invited Lecturer Universita La Sapienza Rome, Italy	04/2001
Visiting Professor Section of Plastic Surgery and Robert Wood Johnson Scholars Program, University of Michigan Ann Arbor, Michigan	12/2001
Blair Professor Loyola University Chicago, Illinois	2002
Université Laval Quebec, Canada	04/2002
Manktelow Professor University of Toronto Toronto, Ontario, Canada	10/2002

Invited Speaker Chicago Hand Society Chicago, Illinois	01/22/2003 - Present
Kumamoto University Kumamoto, Japan	11/2003
Mayflower Hospital Kobe, Japan	11/2003
University of Mississippi Jackson, Mississippi	02/2004
Taiwan Hand Society Kaohsiung, Taiwan	05/2004
Australian Society for Surgery of the Hand Presidential Lecturer Queenstown, New Zealand	03/2005
Richard J Smith Lecturer Massachusetts General Hospital Boston, Massachusetts	05/2005
Esser Invited Speaker Erasmus University, Department of Plastic Surgery Rotterdam, Netherlands	02/2007
4th Annual Japan Alps Orthopaedic Conference Matsumoto, Japan	04/2008
51st Annual Meeting of Japanese Society for Surgery of the Hand Tsukuba, Japan	04/2008
Loma Linda University Loma Linda, California	05/2008
Invited Speaker Combined Meeting of British and Indian Hand Societies Bangalore, India	11/28/2008 - 11/30/2008
Invited Speaker French Society for Surgery of the Hand Paris, France	12/17/2008 - 12/20/2008
Yamagata University Yamagata, Japan	04/2009
Visiting Professor University of the Ryukyus Okinawa, Japan	2010 - Present
University of the Ryukyus Naha, Japan	07/2010
University of Rochester Rochester, New York	09/2010
Visiting Professor University of Rochester Rochester, New York	09/01/2010 - 09/02/2010
Visiting Professor John Peter Smith Hospital, Department of Orthopaedic Surgery Fort Worth, Texas	2011 - Present
John Peter Smith Hospital Fort Worth, Texas	01/2011

German Society for Surgery of the Hand Bonn, Germany	10/2011
University of Louisville Louisville, Kentucky	11/2011
Esser Invited Speaker Erasmus University Rotterdam, Netherlands	11/2011
Visiting Professor Department of Orthopaedic Surgery, St. Marianna University Kawasaki, Japan	02/28/2012 - 02/29/2012
Visiting Professor Department of Orthopedic Surgery, Iwate University Morioka, Japan	03/01/2012 - Present
Albany Medical College, Dept of Plastic Surger Albany, New York	08/2012
Visiting Professor Department of Plastic Surgery, Stanford University Palo Alto, California	11/2012 - Present
Visiting Professor Department of Plastic Surgery, Stanford University Palo Alto, California	11/06/2012 - Present
Vincent R Hentz Visiting Professor Orthopaedic Surgery, Stanford University Palo Alto, California	11/07/2012 - Present
Tufts University, Dept of Biomedical Engineering Medford, Massachusetts	04/2013
Presidential Invited Speaker Norwegian Society for Surgery of the Hand Oslo, Norway	10/2013
University of Missouri, Dept of Orthopaedic Surgery Columbia, Missouri	04/2014
Visiting Professor Department of Orthopaedic Surgery, University of Missouri Columbia, Missouri	04/01/2014 - 04/02/2014
Edward A Nalebuff, MD Visiting Professor Tufts University Boston, Massachusetts	05/2014
Presidential Invited Speaker Swiss Society for Surgery of the Hand Thun, Switzerland	11/2014
Presidential Invited Speaker French Society for Surgery of the Hand Paris, France	12/2014
Visiting Professor University of Pennsylvania Philadelphia, Pennsylvania	06/2015
Visiting Professor University of Pennsylvania	06/11/2015 - 06/13/2015

Presidential Invited Speaker Association of Bone and Joint Surgeons	07/09/2015 - 07/11/2015
Presidential Invited Speaker Colombian Association for Hand Surgery	08/27/2015 - 08/30/2015
Keynote Speaker Penn State Pathways to Partnerships Conference	09/03/2015 - Present
Visiting Professor Shinshu University Matsumoto, Japan	2016 - Present
Keynote Speaker 57th Annual Meeting of the German Society for Surgery of the Hand	09/22/2016 - 09/24/2016
Presidential Invited Speaker German Society for Surgery of the Hand Frankfurt, Germany	09/24/2016 - 09/26/2016
Presidential Invited Speaker Chinese Orthopaedic Association	2016 - Present
Visiting Professor University of Utrecht Utrecht, Netherlands	2017 - Present
Mayo Clinic Distinguished Investigator Mayo Clinic	01/2018 - 12/2018
Frymoyer Visiting Professor University of Vermont	09/19/2018 - 09/20/2018

## Clinical Practice, Interests, and Accomplishments

Practice limited to surgery of the Upper Limb  
Particular interest in trauma, especially of tendons and wrist, tumors, congenital anomalies

## Research Interests

Outcomes Research  
Tendon Healing  
Effect of Mechanical Forces on Soft Tissue remodeling ("Wolff's Law" of soft tissue)  
Carpal Tunnel Syndrome

## Research Grants Awarded

**Active Grants****Federal**

Program Director / Principal Investigator	Dynamic Ultrasound to Enhance Understanding of Carpal Tunnel Syndrome. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 62613)	09/2014 - 08/2019
Program Director / Principal Investigator	Biolubricant to Reduce Tendon Adhesion. Funded by Department of Defense. ( W81XWH-18-1-0345)	08/2018 - 07/2021
Co-Investigator	Engineering Tendon Grafts for Better Outcomes. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 57745)	09/2014 - 08/2019

**Mayo Clinic**

Program Director / Principal Investigator	Shear Wave Elastography and Stiffness of the Median Nerve in the Carpal Tunnel: A Validation Study. Funded by Mayo Clinic Center for Ultrasound Research	02/2018 - 12/2018
Consultant	NIH Relief: Tissue Engineered Tendon Complex for Rotator Cuff Repair and Regeneration: NIH Relief Grant: R01 AR073811-01A1 "Tissue Engineered Tendon Complex for Rotator Cuff Re-pair and Regeneration". Funded by NIH Relief Program	12/2018 - 11/2019

**Completed Grants****Federal**

Principal Investigator	Functional Forces in Normal and Abnormal Fingers. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 17172)	01/1990 - 08/1999
Program Director / Principal Investigator	Repair and Rehabilitation of Flexor Tendon Injury. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 44391)	01/1998 - 12/2000
Program Director / Principal Investigator	Repair and Rehabilitation of Flexor Tendon Injury. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 44391)	02/2001 - 07/2004
Program Director / Principal Investigator	Subsynovial Connective Tissue and Carpal Tunnel Syndrome. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 49823)	04/2003 - 03/2007
Program Director / Principal Investigator	Repair and Rehabilitation of Flexor Tendon Injury. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 44391)	08/2004 - 01/2009
Program Director / Principal Investigator	Subsynovial Connective Tissue and Carpal Tunnel Syndrome. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 49823)	04/2007 - 09/2013



Program Director / Principal Investigator	Repair and Rehabilitation of Flexor Tendon Injury. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 44391)	02/2009 - 01/2015
Co-Investigator	Functional Forces in Normal and Abnormal Fingers. Funded by NIH. ( R01 AR17172)	06/1987 - 06/1994
Co-Investigator	Mechanical Testing System. Funded by National Center for Research Resources. (S10 RR 16913)	04/2002 - 03/2003
Co-Investigator	Pathophysiology of Carpal Tunnel Syndrome. Funded by NIH. ( R01 AR049823-01)	04/2003 - 04/2007
Co-Investigator	Musculoskeletal Research Training Program. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (T32 AR 56950)	05/2009 - 04/2014
Co-Investigator	Engineering Tendon Grafts for Better Outcomes. Funded by National Institute of Arthritis and Musculoskeletal and Skin Diseases. (R01 AR 57745)	04/2010 - 08/2014
Co-Investigator	Novel Non-Invasive Measurement of Carpal Tunnel Pressure. Funded by National Institutes of Health. (R21 AR 67421)	07/2015 - 06/2018

#### Foundation

Principal Investigator	Effect of Mechanical Forces on Canine Tendon. Funded by American Society for Surgery of the Hand	03/1985 - 03/1986
Principal Investigator	Amadio P.C. MD - ASH #2. Funded by American Society for Surgery of the Hand. (ASH #2)	04/1992 - 12/1993
Principal Investigator	Randomized Multicenter Clinical Trials of Open Versus Endoscopic Carpal Tunnel Release: Randomized Multicenter Clinical Trials of Open Versus Endoscopic Carpal Tunnel Release. Funded by Orthopaedic Research and Education Foundation	07/1996 - 06/1999
Principal Investigator	A Comparison of Orthopaedists and Non-Orthopaedists in the Treatment of Acute Knee Injuries. Funded by American Academy of Orthopaedic Surgeons	12/1996 - 12/1998
Co-Investigator	American Academy of Orthopedic Surgeons Grant Proposal. Funded by American Academy of Orthopedic Surgeons. (AAOS #2)	02/1996 - 01/1998
Consultant	Comparative Study of the effects of GDF-5 on MDSCs and BMSCs in Tendon Healing . Funded by American Society for Surgery of the Hand	07/2012 - 07/2014

#### Industry

Co-Investigator	Ascension MCP Finger Implant: Protocol #CP-MCP-002. Funded by Ascension Orthopedics, Inc.. (ASCENSION #2; 1A4493)	07/2002 - 06/2006
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#### Mayo Clinic

Principal Investigator	Effect of External Mechanical Forces on Tendon. Funded by Mayo Foundation	06/1987 - 06/1989
Program Director / Principal Investigator	Dynamic Ultrasound to Enhance Understanding of Carpal Tunnel Syndrome: NIH Relief - Dynamic Ultrasound to Enhance Understanding of Carpal Tunnel Syndrome. Funded by National Institutes of Health. (AR 62613)	09/2013 - 08/2014
Co-Investigator	Regenerative Tendon for Rotator Cuff Repair. Funded by CRM - Center for Regenerative Medicine	07/2013 - 12/2013

Co-Investigator	Exploration of A Turkey Model for Flexor Tendon Related Research . Funded by Center for Biomedical Discovery	05/2016 - 04/2017
Consultant	Development of an Allograft Mesenchymal Stem Cell Composite Neoligament for Intra-Articular Ligament Reconstruction (Protocol): Development of an Allograft Mesenchymal Stem Cell Composite Neoligament for Intra-Articular Ligament Reconstruction. Funded by Scholarly Opportunity Award	04/2012 - 03/2014

## Patents

Title	Patent Number	Date Filed	Date Issued
Tendon or ligament tissue engineering Inventors: Amadio, Peter; An, Kai-Nan; Moran, Steven L; Sun, Yu-long; Zhao, Chunfeng	US 8894707	NULL	09/2010
Doppler Ultrasound for Identifying Material Properties of a Carpal Tunnel Anatomy Inventors: Amadio, Zhao, An, Belohlavek, Zobitz	US 8216148	NULL	07/2012
System and Method for Analyzing Carpal Tunnel Using Ultrasound Imaging Inventors: Chunfeng Zhao, Kai-Nan An, Peter C. Amadio, Hector R. Villarraga, and Yuichi Yoshii.	US 8795181	11/2009	08/2014
System and method for non-invasive measurement of carpal tunnel pressure Inventors: Zhang X, Zhao C, Qiang B, Wang Y, Amadio PC, An K, Greenleaf J	US 9125615	NULL	09/2015

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