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Education

- 1976 Yale College, New Haven, Connecticut
 Bachelor's of Science, Degree in Biology
- 1980 Yale University School of Medicine, New Haven, Connecticut
 Doctor of Medicine

Post-Graduate Training

- 80-81 Columbia Presbyterian Hospital, New York, N.Y.
 Internship in General Surgery
- 81-82 Columbia-Presbyterian Hospital, New York, N.Y.
 Residency in General Surgery
- 82-85 Harvard Combined Orthopaedic Program, Boston, Massachusetts
 Residency in Orthopaedic Surgery
- Jul/Dec 85 Massachusetts General Hospital, Boston, Massachusetts
 Chief Resident, Assistant in Orthopaedic Surgery

Fellowships

- Jan/June 86 Boston Children's Hospital Medical Center, Boston, Massachusetts
 Fellowship in Sports Medicine with Lyle Micheli, M.D.
- Jul/Dec 86 Merritt Hospital (Affiliated U.C.S.F.), Oakland, California
 Fellowship in Foot & Ankle Surgery with Roger A. Mann, M.D.

Certifications

- 1981 Diplomat of the National Board of Medical Examiners
- 1989-present Diplomat of the American Board of Orthopaedic Surgeons
- 1991-present Fellow of the American Academy of Orthopaedic Surgeons

Licensures

- 85-89 Licensure in Medicine, Massachusetts
- 86-present Licensure in Medicine, California
- 87-89 Licensure in Medicine, Connecticut
- 89-94 Licensure in Medicine, Pennsylvania
- 92-present Licensure in Medicine, Illinois

Academic Appointments

- 13-14 Rush Medical School, Chicago, IL
Associate Professor, Department of Orthopaedic Surgery
- 13-14 Rush Medical School, Chicago, IL
Foot & Ankle Fellowship Program Director
- 92-present Rush Medical School, Chicago, Illinois
Assist. Professor, Department of Orthopaedic Surgery
Section Director, Foot & Ankle Surgery
- 89-92 Thomas Jefferson University School of Medicine, Philadelphia, Pennsylvania
Assistant Professor, Department of Orthopaedic Surgery
- 90-92 Chief of Orthopaedic Surgery, Jefferson Park Hospital, Philadelphia, PA
- 87-89 University of California at Davis Medical School, Sacramento, California
Assistant Professor, Department of Orthopaedic Surgery
Chief of Orthopaedic Foot & Ankle Surgery

- 86 Clinical Fellow in Sports Medicine, Department of Orthopaedic Surgery,
Children's Hospital Medical Center, Boston, Massachusetts
- 82-86 Clinical Fellow, Orthopaedic Surgery, Harvard Medical School, Boston,
Massachusetts
- 76-78 Co-Step Officer, N.I.N.C.D.S., Public Health Service, National Institutes of
Health, Bethesda, Maryland
- 72-76 Junior Fellow, N.I.N.C.D.S., National Institutes of Health, Bethesda, Maryland

HOSPITAL AFFILIATIONS

- 92-present Rush University Medical Center, Chicago, IL, Attending
- 06-present Alexian Brothers, Elk Grove Village, IL
- 94- present Rush-Oak Park Hospital, Oak Park, Illinois
Courtesy
- 02-06 Central Dupage Hospital, Winfield, Illinois
Courtesy
- 89-92 Thomas Jefferson University Hospital, Philadelphia, Pennsylvania
Attending
- 89-92 Jefferson Park Hospital, Philadelphia, Pennsylvania
Attending
- 89 Mather Air Force Base Hospital, Sacramento, California
Consultant
- 87-89 Mercy Hospital of Sacramento, Sacramento, California
- 87-89 University of California at Davis Medical Center, Sacramento, California
Attending

- 86 Merritt/Perralta Hospital, Providence Hospital, Children's Hospital (Oakland), Humana Hospital (San Leandro, CA)
Assist. to Roger A. Mann
- 85 New England Baptist Hospital, Boston, MA
Assistant in Orthopaedics
- 85 Massachusetts General Hospital, Boston, MA
Chief Resident, Assistant in Orthopaedics
- 85 Spaulding Rehabilitation Hospital, Boston, MA
Associate Member

MEDICAL SOCIETIES

Current:

- 87-present American Association of Orthopaedic Surgeons
- 89-present American Orthopaedic Foot and Ankle Society

Lapsed:

- 92-07 Chicago Medical Society
- 90-00 National Medical Association
- 90-00 American Diabetes Association
- 85-92 International College of Surgeons
- 90-91 Pennsylvania Orthopaedic Society
- 88-89 California Orthopaedic Association
- 88-89 Capitol Medical Society (Sacramento)
- 87-89 Sacramento-El Dorado Medical Society
- 87-89 Sacramento Valley Foot & Ankle Society

- 86-89 Bay Area Foot & Ankle Society
- 86-88 Massachusetts Medical Society
- 91-94 American College of Occupational Medicine

PROFESSIONAL ACTIVITIES

- 11-1-14 Medical Team Coverage - USA Rugby vs. New Zealand All Blacks, Chicago, IL.
- 10-11 Representative of the Foot & Ankle Section on the Orthopaedic Section Directors Committee
- 10-11 Examiner, American Board of Orthopaedic Surgery (A.B.O.S.)
- 06-12 Director, Section of Foot & Ankle, Department of Orthopaedics at Rush University Medical Center.
- 10 Proctored Visiting Fellow from Brazil (Sep-Dec), Ricardo Issaka, M.D.
- 09 Proctored Visiting Fellow from Brazil (March-May), Leonardo Quental, M.D.
- 04-07 Journal of the American Academy of Orthopaedic Surgeons, Consultant Reviewer
- 89-12 Foot & Ankle International, Associate Editor
- 04-12 Chicago Bulls, Assistant Team Physician
- 96-98 Joffrey Ballet, Chicago; Orthopaedic Medical Coverage
- 90-92 Philadanco Dance Company, Philadelphia; Orthopaedic Medical Coverage
- 96-01 Member of the Subcommittee on Foot and Ankle Evaluation of the Committee on Evaluation (Producing the Foot & Ankle Self-Assessment Test)
- 90-92 Member of the American Orthopaedic Foot and Ankle Society Categorical Committee: Prosthetics, Orthotics, Pedorthics & Footwear
- 89 Joffrey Ballet, Sacramento Performances; (June 7, 8, 9), Medical Coverage

- 89 Alvin Ailey Dance Theater, Sacramento Performances (Feb 14th and 15th), Medical and Coverage
- 87-89 Sacramento Kings, National Basketball Association, Orthopaedic Consultant (Foot & Ankle)
- 87 California Mile, San Francisco, Medical Staff Physician
- 86 American Academy of Orthopaedic Surgeons, Summer Institute, Instructor, Foot & Ankle Section, Monterey, CA
- 86 Arthroscopic Surgery: Knee and Shoulder Psychomotor Skills Laboratory, Faculty member, Cambridge, MA
- 86 Health Management Systems, Inc., Orthopaedic Consultant, Boston
- 86 San Francisco Bud Light U.S Triathlon Series Medical Staff Physician
- 86-96 Boston Marathon, Medical Staff Physician;
- 86 Boston Ballet, Assistant to Dr. Lyle Micheli, Medical Director; Medical Coverage for Performances of the Boston Ballet and Visiting Companies

ACKNOWLEDGEMENTS

- 2011 Listed as one of the Best Doctors in Chicago by Chicago Magazine

PRESENTATIONS

1979

- Apr 14 Phoenix, AZ: "Differential Metabolic N-Dimethylation of 1,3-Dimethyl-Diphenylhydantoin in Mice" at the 14th Annual Meeting of the U.S. Public Health Service Association

1986

- Sep 02 Sacramento, CA: "Biomechanics of Walking & Running" Grand Rounds, Department of Orthopaedics, University of California, Davis
- May 05 Los Angeles, CA: "Hand Infections in Children. A Preliminary Retrospective Study", A.O.A. Residents' Conference

1987

- Dec 08 Sacramento, CA: "Posterior Tibial Tendon Rupture", Grand Rounds, Department of Orthopaedics, University of California, Davis
- Sep 29 Sacramento, CA: "Management of the Diabetic Foot" Grand Rounds, Department of Orthopaedics, University of California, Davis
- Sep 20 Berkeley, CA: "Neurologic Problems, Tarsal Tunnel Syndrome, Interdigital Neuroma, and Traumatic Neuroma", The Adult Foot, Basic Principles and Methods of Treatment sponsored by Samuel Merritt Hospital, Oakland; Course Chairman: Roger A. Mann, M.D.
- Sep 19 Berkeley, CA: "Principles of Management of Fractures of the Talus", The Adult Foot, Basic Principles and Methods of Treatment sponsored by Samuel Merritt Hospital, Oakland; Course Chairman: Roger A. Mann, M.D.
- Sep 14 Sacramento, CA: "Rheumatoid Foot", Medical Rheumatology House-Staff Meeting, University of California, Davis, Medical Center
- Aug 04 Sacramento, CA: "Lisfranc's Fracture-Dislocation", Grand Rounds, Department of Orthopaedics, University of California, Davis
- Jun 10 Boston, MA: "Lisfranc's Fracture-Dislocation" Grand Rounds, Department of Orthopaedics, Brigham and Women's Hospital
- May 12 Chico, CA: "Difficult Foot Fractures", 1ST Chico Bicentennial Trauma Conference and Total Hip Review
- May 05 Pinole, CA: "The Rheumatoid Foot" Grand Rounds, Doctors' Hospital of Pinole

- Apr 15 Boston, MA: "Management of the Diabetic Foot", Grand Rounds, Department of Orthopaedics, Boston University Medical Center
- Mar 17 Sacramento, CA: "The Rheumatoid Foot", Grand Rounds, Department of Orthopaedics, University of California, Davis
- 1988**
- Dec 09 Lake Tahoe, NV: "Management of Calcaneal Fractures" 3rd Annual Fracture Management Symposium, sponsored by Continuing Medical Education of University of California, Davis
- Nov-19 Sacramento, CA: "The Foot and Ankle" sponsored by Hospital & the American Physical Therapy Association
- Nov 16 Modesto, CA: "Deep Vein Thrombosis" sponsored by Doctors' Medical Center & Wyeth Laboratories
- Nov 08 Sacramento, CA: "Treatment of Tailor's Bunions", Grand Rounds, Department of Orthopaedics, University of California, Davis
- Oct 07 Stockton, CA: "Sports Medicine Injuries", sponsored by Dameron Hospital & Wyeth Laboratories
- Oct 04 Sacramento, CA: "Common Foot Problems", Grand Rounds, Department of Orthopaedics, University of California, Davis
- Aug 09 Sacramento, CA: "Management of the Diabetic Foot" Grand Rounds, Department of Orthopaedics, University of California, Davis
- Apr 09 San Francisco, CA: "Neurologic Problems of the Foot" sponsored by the American Academy of Orthopaedic Surgeons
- Feb 26 Lake Tahoe, NV: "Fractures and Dislocations of the Foot", Ski Injuries, sponsored by University of California, Davis and Pfizer
- Feb 07 Atlanta, GA: "Histological Comparison of the Posterior Tibial Tendon and the Flexor Tendons" 18th Annual Meeting of the American Orthopaedic Foot and Ankle Society

- Feb 07 Atlanta, GA: "Etiological Factors Associated with Rupture of the Posterior Tibial Tendon" 18TH Annual Meeting of the American Orthopaedic Foot and Ankle Society
- Jan 22 Lake Tahoe, NV: "Evaluation and Management of Stress Fractures of the Foot", Sports Medicine Conference, sponsored by ACCME and the University of California, Davis
- Jan 21 Lake Tahoe, NV: "Conditioning and Rehabilitation of Foot Injuries" Sports Medicine Conference, sponsored by ACCME and the University of California, Davis
- 1989**
- Dec 14 Philadelphia, PA: "Stress Fractures of the Foot and Ankle", Grand Rounds, Department of Orthopaedics, Thomas Jefferson University
- Dec 12 Philadelphia, PA: "The Diabetic Foot", Jefferson Diabetic Forum, Division of Endocrinology and Metabolic Diseases, Thomas Jefferson University
- Nov 17 Philadelphia, PA: "The Effect of High Heels on Pedal Pressures", Annual Meeting of the Jefferson Orthopaedic Society at the Barclay Hotel
- Jul 26 Modesto, CA: "The Diabetic Foot" sponsored by the Doctors' Medical Center and Wyeth Laboratories
- Jul 07 Monterey, CA: "Management of Plantar Fasciitis and Heel and Spur Syndrome", Primary Care Sports Medicine sponsored by the University of California, Davis
- Jul 06 Monterey, CA: "Evaluation and Management of Stress Fractures of the Foot", Primary Care Sports Medicine sponsored by the University of California, Davis
- Feb 13 Las Vegas, NV: "The Adult Foot III: Rheumatoid Foot; Fusions about the Foot and Ankle; Posterior Tibial Tendon Dysfunction"; presented in conjunction with Roger A. Mann (moderator) and Kenneth A. Johnson (Instructional Course Lecture)
- Feb 12 Las Vegas, NV: "Anatomy and Pathophysiology of Posterior Tibial Tendon Rupture" Noontime Symposium 2. 19th Annual Meeting of the American Orthopaedic Foot and Ankle Society

- Jan 20 Lake Tahoe, CA: "Rupture of the Achilles Tendon", Course Title: Ski Injuries, Granlibakken Center, Sponsored by the Sacramento Chapter of the Western Orthopaedic Association, UCD, Pfizer
- Jan 11 Merced, CA: "Treatment of the Rheumatoid Foot" Sponsored by Merced County Hospital & Wyeth Laboratories

1990

- Nov 23 Liverpool, England: "Rupture of the Tendo Achilles: A New Technique of Repair." Annual Meeting of the British Orthopaedic Foot Surgery Society, University of Liverpool Medical School
- Oct 14 Philadelphia, PA: "Ankle Arthroscopy: Principles Techniques", American Orthopaedic Foot and Ankle Review Course, Thomas Jefferson University Hospital
- Oct 14 Philadelphia, PA: "Tendon Injuries of the Foot and Ankle", American Orthopaedic Foot and Ankle Review Course, Thomas Jefferson University Hospital
- Sep 20 Philadelphia, PA: "Office Management of Common Foot Problems", Grand Rounds, Department of Orthopaedics, Thomas Jefferson University.
- Aug 24 Santa Fe, NM: "Assessment of the Normal Distribution of Forefoot Plantar Pressures", Fellows Meeting of Roger A. Mann, M.D.
- Jul 31 Las Vegas, NV: "Posterior Tibial Tendon Rupture. Convention and Scientific Assembly of the National Medical Association held July 28 to August 2, 1990
- Jul 30 Las Vegas, NV: "Effects of High Heels on Pedal Pressure", 95th Annual Convention and Scientific Assembly of the National Medical Association.
- Jun 23 Banff, Canada: "Practical Considerations for the Use of the Pedobarograph", 6th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society.
- Jun 22 Banff, Canada: "Epidemiological Factors Associated With Rupture of the Achilles Tendon", 6th Annual Summer Meeting of the American Orthopaedic Foot and Ankle Society.
- May 19 Washington, D.C.: "Posterior Tibial Tendon Rupture", Grand Rounds, Department of Orthopaedic Surgery, Howard University, Washington, D.C.

- May 05 New York, NY: "Hallux Rigidus: Conservative Management and First MTP Debridement Arthroplasty", AAOS CME Course (#371): Essentials of Adult Foot and Ankle Reconstruction
- May 04 New York, NY: "Heel Pain Syndrome", AAOS CME Course (#371): Essentials of Adult Foot and Ankle Reconstruction
- May 04 New York, NY: "Baxter's Nerve Entrapment", AAOS CME Course (#371): Essentials of Adult Foot and Ankle Reconstruction
- Apr 26 Scottsdale, AZ: "Assessment of the Normal Distribution of Forefoot Plantar Pressures", CME Course of the Pennsylvania Orthopaedic Society
- Feb 22 Philadelphia, PA: "Rheumatoid Arthritis of the Forefoot", Grand Rounds, Department of Orthopaedics, Thomas Jefferson University
- 1991**
- Nov 29 Dundee, Scotland: "First Metatarsophalangeal Joint Arthrodesis using interfragmentary screw and small fragment plate fixation", Instructional Course and Scientific Meeting of the British Orthopaedic Foot Surgery Society
- Nov 15 Philadelphia, PA: "Charcot changes in the foot and ankle following fractures in diabetic patients", at the Jefferson Orthopaedic Society
- Nov 03 New York, NY: "Compartment Syndromes", at the AOFAS Residents' Review Course held at Columbia Presbyterian Medical Center
- Oct 11 Melbourne, Australia: "Histologic Changes in Rupture of the Posterior Tibial Tendon", at the inaugural Scientific Meeting of the Australian Orthopaedic Foot & Ankle Society sponsored by the Royal Australasian College of Surgeons
- Oct 11 Melbourne, Australia: "Initial Post-Operative Management of Foot and Ankle Surgery Using the Valley Forge Splint", at the Australian Orthopaedic Foot & Ankle Society
- Aug 22 Philadelphia, PA: "Stress Fractures of the Foot and Ankle", Department of Orthopaedic Surgery at the Philadelphia College of Osteopathic Medicine

- May 11 San Diego, CA: "Repair of Achilles Tendon Ruptures", Third Annual Meeting of the North American Foot & Ankle Association
- May 04 Boston, MA: "Management of Hindfoot Pain" American Osteopathic Academy of Orthopedics, 31st Annual Postgraduate Seminar
- May 03 Boston, MA: "Foot and Ankle Injuries in the Athlete", American Osteopathic Academy of Orthopedics, 31st Annual Postgraduate Seminar
- Apr 30 Philadelphia, PA: "Career in Orthopaedics - Disorders of the Foot", Jefferson Student Orthopaedics Association
- Mar 30 Philadelphia, PA: 'Orthopaedics" at the 1991 Student National Medical Association Convention.
- Mar 26 Camden, NJ: "Surgery of the Rheumatoid Foot and Ankle", Orthopaedic Rounds, Department of Surgery, University of Medicine & Dentistry of New Jersey, School of Osteopathic Medicine
- Mar 10 Anaheim, CA: "Orthopaedic Update-Arthritis", 21st Annual Meeting of the A.O.F.A.S.
- Mar 10 Anaheim, CA: "Use of night splints for the treatment of plantar fasciitis", 21st Annual Meeting of the A.O.F.A.S.
- Mar 04 Anaheim, CA: "Changes in collagen crosslinks, fibril diameter and mechanical strength in aging chicken tendons", poster presentation (Mar 4-7), 37th Annual Meeting of the Orthopaedic Research Society
- Feb 08 Philadelphia, PA: "Charcot Foot" Grand Rounds, Rehabilitation Medicine, Thomas Jefferson University
- Jan 01 Philadelphia, PA: "Office Management of Diabetes Mellitus." Grand Rounds, Jefferson Park Hospital

1992

- Nov 20 London, England: "Fractures and dislocations of the foot and ankle in diabetics associated with Charcot joint changes." at the 11th Annual Instructional Course and Scientific Meeting of the British Orthopaedic Foot Surgery Society.

- Oct 20 Chicago, IL: "Orthotic and Pedorthic Management of Metatarsalgia, Frieberg's Disease, Rheumatoid Arthritis" at the Northwestern University' Prosthetic-Orthotic Center (NUPOC).
- Sep 11 Chicago, IL: "Repair of Chronic Achilles Tendon Ruptures" Illinois Orthopaedic Society at the MidAmerica Club, Amoco Building, 200 E. Randolph Drive
- Jul 24 Chicago, IL: Sports Medicine Injuries of the Foot and Ankle" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC).
- May 21 Chicago, IL: "The Diabetic Foot - Etiology and Pathomechanics" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC).
- May 21 Chicago, IL. "Diabetic and Other Insensate Ulcers: Ischemic and Neuropathic" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC).
- May 21 Chicago, IL: "The Charcot Foot" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC).
- May 21 Chicago, IL: "Partial Foot Amputations" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC).
- May 21 Chicago, IL: "Pathophysiology and Manifestations of the Arthritic Foot" at the Northwestern University's Prosthetic-Orthotic Center (NUPOC); Course "Clinical Pedorthic Management of the Ankle and Foot 801"
- Mar 07 Philadelphia, PA: "Effects of Wearing High-heeled Shoes on Pedal Pressure." before the Greater Philadelphia Chapter of the American Association for Medical Transcription
- 1993**
- Jan 26 Chicago, IL: "Fractures in Extremities in Pediatrics: Assessment and Management Decisions for the Pediatrician." Hektoen Auditorium Grand Rounds, Department of Ambulatory Pediatrics, Cook County Hospital.
- Mar 06 Chicago, IL: "Foot Manifestations of Diabetes Mellitus". Chicago Medical Society, 1993 Midwest Clinical Conference.

- Apr 20 Chicago, IL: "Pathophysiology and Non-Surgical Management of Rearfoot, Midfoot and Forefoot Disorders", "Athletic Foot Injuries", and Management of the Insensate Foot" at Northwestern University Prosthetic-Orthotic Center (NUPOC); Course - "Clinical Pedorthic Management of the Ankle and Foot (for Physicians) 801".
- May 10 Chicago, IL: "The Use of the Total Contact Cast in the Treatment of the Diabetic Foot" at Cook County Hospital at the annual meeting of the Orthopaedic Technologist Association of Illinois.
- May 16 Lisle, IL: "Rheumatoid Arthritis/Foot & Ankle" 1993 Annual Arthritis Awareness Workshop presented by the Arthritis Foundation at the Lisle-Naperville Hilton.
- May 24 Chicago, IL: Pathophysiology and Non-Surgical Management of Rearfoot, Midfoot, and Forefoot Disorders at Northwestern University Prosthetic Orthotic Center (NUPOC): Pedorthic Management of the Foot: Fabrication Techniques (701).
- May 27 Lisle, IL: Lisfranc Fracture-Dislocations and the Effects of High Heels on Pedal Pressures at Wausau Insurance Companies (workman's compensation claims staff)
- Jun 17 Chicago, IL: "Charcot Foot", Infectious Disease Service Grand Rounds, Rush Presbyterian-St.Luke's Medical Center.
- Jul 09 Oaklawn, IL: "Calcaneus Fractures" Orthopaedic Grand Rounds at Christ Hospital
- Aug 13 Chicago, IL: "Achilles Tendon Ruptures" Orthopaedic Grand Rounds at Northwestern University Memorial Hospital
- 1994**
- Feb 27 New Orleans, LA: "The Treatment of Jones' Fractures Using Pulsed Electromagnetic Fields" at the 24th Annual Meeting of the American Orthopaedic Foot and Ankle Society
- Mar 14 Wheaton, IL: "Foot & Ankle Amputees" and "Management of the Ischemic and Insensate Foot" at the Orthotics and Prosthetics Course (Hines VA) sponsored by the Rehabilitation Foundation Inc.
- Apr 28 Rosemont, IL: "Practical Surgical Strategies for Foot and Ankle Problems. Bunionette Procedures: Midshaft and Distal Osteotomies" American Academy of Orthopaedic Surgeons Learning Center.

- Oct 22 Sedona, AZ: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at Second Annual Combined Meeting (Arizona Orthopaedic Society & Arizona Chapter of the 'Western Orthopedic Association)
- Dec 21 Chicago, IL: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at Grand Rounds, Department of Orthopaedic Surgery, University of Chicago Hospital

1995

- Jan 23 Van Nuys, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at the Southern California Orthopaedic Institute, Valley Presbyterian Hospital
- Jan-23 Los Angeles, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at the Valley Hospital Podiatry Journal Club
- Jan 25 Orange, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at the Western Orthopaedic Association Meeting (orange County Chapter)
- Jan 27 Los Angeles, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at Grand Rounds, Dept. of Orthopaedics, Martin Luther King-Drew Medical Center
- Jan 28 Industry Hills, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at meeting of the Southern California Kaiser Podiatrists
- May 05 Rosemont, IL: Treatment of Bunionettes, at Practical Surgical Strategies for Foot and Ankle Problems, American Academy of Orthopaedic Surgeons
- Jun 22 Sacramento, CA: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields" at Alumni Day for the Department of Orthopaedic Surgery, University of California, Davis

1996

- May 17 Rosemont, IL: Foot and Ankle Trauma and Reconstruction, American Academy of Orthopaedic Surgeons.
- May 22 La Coruna, Spain: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields." at Estimuladores Oseos en Traumatologia y Ortopedia, Hospital Juan Canalejo.
- May 24 Burgos, Spain: "The Treatment of Jones Fractures Using Pulsed Electromagnetic Fields." at Estimulacion Osea, Hospital General Yague.
- Jun 22 Sacramento, CA: "Treatment of Delayed Union and Nonunion of the Proximal Fifth Metatarsal with Pulsed Electromagnetic Fields. Alumni Day sponsored by The Paul R. Lipscomb Alumni Society.
- Aug 14 Houston, TX: Foot and Ankle Arthrodesis Using Direct Current. Grand Rounds, Department of Orthopaedic Surgery. Baylor School of Medicine.
- Aug 17 Amsterdam, Netherlands: Poster - Cost Comparison of Treatment Modalities for Delayed Union and Nonunion of the Proximal Fifth Metatarsal at SIROT (Societe Internationale de Recherche Orthopedique et de Traumatologie).
- Sep 27 Chicago, IL: Contused, Bruised or Broken. Diagnosis and Treatment of Lisfranc Fracture Dislocation. Workers Compensation Lawyers Association Meeting.
- Oct 06 Chicago, IL: Tendon Injuries. American Orthopaedic Foot & Ankle Society, Treatment of the Foot and Ankle Review.
- Oct 18 Parsippany, NJ: "Use of Direct Current in the Treatment of Lower Extremity Fusions." General Trauma Forum Sponsored by EBI.
- Oct 18 Parsippany, NJ: "Use of Pulsed Electromagnetic Field Stimulation for the Treatment of Jones Fractures." General Trauma Forum Sponsored by EBI

1997

- Feb 16 San Francisco, CA: "Tarsal Navicular Fractures." American Orthopaedic

Society for Sports Medicine Specialty Day Meeting

- Apr 12 Rosemont, IL: "Achilles Tendon Ruptures and Repair." Athletic Injuries of the Foot and Ankle. Practical Surgical Strategies, #387, AAOS
- Jun 17 Sheffield, England: "Treatment of Delayed Union and Nonunion of the Proximal Fifth Metatarsal with Pulsed Electromagnetic Fields. Sponsored by EBI/Biomet Symposium of Fracture Management
- Jun 17 Sheffield, England: "Clinical Use of Direct Current Stimulation in Fusion of the Foot and Ankle. Sponsored by EBI/Biomet Symposium of Fracture Management
- Jun 22 Sun Valley, ID: "Assessment of Jones Fractures Using the Pedobarograph." at the American Orthopaedic Soc, for Sports Medicine 23rd Annual Meeting
- Jul 12 Scottsdale, AZ: "Use of Direct Current in the Treatment of Lower Extremity Fusions." National Sales Meeting, EBI.
- Oct 17 South Bend, IN: Tendon Injuries of the Foot and Ankle. Notre Dame Orthopaedic Symposium.
- Oct 31 Parsippany, NJ: "Use of Pulsed Electromagnetic Field Stimulation for the Treatment of Jones Fractures." Orthopaedic Foot & Ankle Forum Sponsored by EBI.
- Oct 31 Parsippany, NJ: "Use of Direct Current in the Treatment of Lower Extremity Fusions." Orthopaedic Foot & Ankle Forum Sponsored by EBI.

1998

- Apr 15 Elmhurst, IL: "Management of Calcaneus Fractures." Rehabilitation Insurance Nurses Group - State of Illinois.
- May 02 Rosemont, IL: "Double & Triple Arthrodesis for the Treatment of Cavo Varus Foot." AAOS Advanced Hindfoot and Ankle Reconstruction Course, May1-3.
- May 05 Chicago, IL: "Treatment of the Diabetic Foot" at Grand Rounds, Dept. of Endocrinology, Rush Presbyterian-St. Luke's Medical Center.

Jul 14 Chicago, IL: "Trauma and Reconstruction of the Foot and Ankle", Chicago Orthopedic Board Review Sponsored by the Compass Medical Educacion Network.

1999

Sep 19 Chicago, IL: "Neuropathic Charcot Foot - Avoiding Surgery", Diabetic Foot Course Sponsored by the American Orthopaedic Foot and Ankle Society.

Oct 07 Sea Island, GA: "Achilles Tendon Ruptures - Ideas for the New Millennium." Sponsored by the Georgia Foot and Ankle Society.

Oct 13 Chicago, IL: " Achilles Tendon Ruptures" Grand Rounds Sponsored by the Department of Orthopaedics at the University of Chicago.

2000

Jan 18 Bensenville, IL: "The Effects of Diabetes in Foot Related Workplace Injury." Presented at the Workers' Compensation Association (WCCA) Meeting.

Jun15 Stockholm, Sweden: "The Effect of High Heels on Daily Interval Changes in Pedal Pressures." European Foot and Ankle Society's 3rd Congress.

Sep 14 Chicago, IL: "Heel Pain and Plantar Fasciitis" Physical Therapists Fall Luncheon Presented by Midwest Orthopaedics at Rush.

Nov 17 Rosemont, IL: Lab Faculty Member, Trauma to the Foot and Ankle, Orthopaedic Learning Center, Nov. 17-19, Course Chairman: Roy Sanders, A.A.O.S.

2001

May 09 Santiago, Chile: Tratamiento del Retardo de Consolidacion y No Union con Electroestimulacion a del Curso de Ortopedia Y Tramatology sponsored by the American College of Surgeons.

May 09 Santiago, Chile: Electroestimulacion External en Fractures y Arthrodesis. Curso de Ortopedia y Tramatology sponsored by the American College of Surgeons.

May 10 Santiago, Chile: Electroestimulacion en Arthrodesis de Exterminate Inferior. Curso de Ortopedia y Tramatology sponsored by the American College of Surgeons.

Jun 06 Nashville, TN: The Role of Bone Morphogenesis Protein in Bone Healing – Science Clinical Application. Sponsored by the Case Management Society of America at the Eleventh Annual Case Management Conference.

Nov 17 Madrid, Spain: Assessment of Jones Fractures Using the Pedobarograph. Presented at the XXII National Congress of the Foot Surgery Spanish Association and the First Meeting of The Spain-USA Foot and Ankle Societies.

2002

Jul 15 Baltimore, MD: Managing Surgical Pain Following Orthopaedic Surgery. Sponsored by Merck & Co.

Oct 14 Chicago, IL: Biomechanics of the Foot & Ankle. Core Curriculum Lecture for the Rush Affiliated Network Orthopaedic Residency Program.

Oct 17 Round Rock, TX: Managing Surgical Pain Following Orthopaedic Surgery. Sponsored by Merck & Co.

Oct 19 Stanford, CA: The Fifth Metatarsal: Bunionettes and Jones Fractures. Surgery of the Foot and Ankle Forum.

Nov 25 Chicago, IL: Hallux Valgus – Core Curriculum Lecture for the Rush Affiliated Network Orthopaedic Residency Programs.

Dec 03 Lisle, IL: Management of Acute Pain in Adults. Sponsored by Merck & Co.

2003

May 13 Aurora, IL: Management of Acute Pain in Adults. Sponsored by Merck & Co.

Jun 07 Chicago, IL: Orthotic Management and FDL Repair for Posterior Tibial Tendon Dysfunction. Chicago Foot & Ankle Blues: Construction and Reconstruction. Sponsored by Premier Orthopaedics and DePuy/ACE.

Jun 08 Chicago, IL: Posterior and Lateral Process Fractures of the Talus. Chicago Foot & Ankle Blues: Construction and Reconstruction. Sponsored by Premier Orthopaedics and DePuy/ACE.

Aug 12 Lisle, IL: Worker's Compensation Issues Related to Problems of the Foot and Ankle. Presented

Before the Indiana Insurance Company.

Oct 25 Chicago, IL: Tendo Achilles Problems. Sponsored by the Illinois Association of Orthopaedic Surgeons.

2004

Mar 26 Lombard, IL: A Tale of Two Tendons: Achilles Tendon Rupture and Achilles Tendinosis. Sponsored by Industrial Rehabilitation Allies.

Oct 09 Chicago, IL: Navicular Fractures in Orthopedic Update – What’s New in Sports Medicine and Minimally Invasive Procedures presented by Rush University Medical Center & Midwest Orthopaedics at Rush.

Oct 15 Chicago, IL: Treatment of Chronic Achilles Ruptures and Tendinosis (Noninsertional). Course #3531, Diagnostic & Treatment Strategies for the Foot and Ankle by the AAOS.

Oct 15 Chicago, IL: Management of Acute Injuries and Fractures in the Neuropathic Patient. Course #3531, Diagnostic & Treatment Strategies for the Foot and Ankle by the AAOS.

Oct 16 Chicago, IL: Biomechanical Considerations and Non-operative Treatment of Arthritis/Deformity of the Midfoot, Hindfoot and Ankle. Course #3531, Diagnostic & Treatment Strategies for the Foot and Ankle by the AAOS.

Nov 16 Chicago, IL: Achilles Tendinosis and Tendinitis. 13th National Worker’ Compensation & Disability Conference.

2005

May 24 Schaumburg, IL: Etiology Factors Associated With Symptomatic Achilles Tendinosis. Sponsored by Midwest Orthopaedics Network and Liberty Mutual Insurance.

Sep 30 Chicago, IL: Achilles Tendinosis sponsored by the Workers Compensation Lawyers Association.

2006

- Mar 01 Elk Grove Village, IL: Minimally Invasive Surgery for the Treatment of Calcaneus Fractures. Grand Rounds, Department of Orthopaedics, Alexian Brothers Hospital.
- Apr 17 Elmhurst, IL: Minimally Invasive Surgery for the Treatment of Calcaneus Fractures. Monthly Meeting of R.I.N.G.

2007

- Mar 16 Orlando, Florida: The End of Osteotomies, A New Bunion Repair Technique. 65th Annual Scientific Conference, American College of Foot and Ankle Surgeons.
- Jul 13 Toronto, Ontario, Canada: E-Poster Presentation – Modification of the TightRope Syndesmotic Suture-Attached Buttons for Reduction of the IM Angle in Bunionectomy Surgery. 23rd Annual Summer Meeting of the American Orthopaedic Foot & Ankle Society.
- Sep 15 Chicago, IL: Modification of Syndesmotic Suture-Attached Buttons for the Reduction of the I.M. Angle in Hallux Valgus Correction. Mini TightRope. Chicago Annual Lower Extremity Surgical Symposium.
- Oct 03 Oakbrook, IL: Bunions in the Work Place & Osteotomy Sparing Bunionectomy. OccuSport Workers' Compensation Seminar.
- Oct 15 Auckland, New Zealand: Early Radiographic Results of Fiberwire-Attached Buttons (Mini TightRope) for Correction of the 1st Intermetatarsal Angle in Hallux Valgus Deformity. New Zealand Orthopaedic Association Annual Scientific Meeting.

2008

- Feb 29 Culver, IN: Ethical Decision-Making Symposium (Feb 29 – Mar 01) – Culver Academy; Lecture D204
- May 03 Linovia, MI: Mini TightRope Correction for Metatarsus Primus Adductus. American Association of Podiatric Physicians & Surgeons.
- Sep 18 Bahia, Brazil: Innovations in the Treatment of Lisfranc Joint Injuries. 3rd Joint Meeting of International Federation of Foot & Ankle Societies. E. Poster Presentation.

- Sep 24 Rosemont, IL: Update and Advances in the Use of the Mini TightRope for Correction of Hallux Valgus Deformity. Second Annual Chicago Lower Extremity Surgical Symposium.
- Oct 24 Lakewood, CO: Correction of Hallux Valgus Deformity Using the Mini-TightRope. Colorado Podiatric Medical Association.
- Nov 08 San Antonio, TX: How Do I Narrow the Foot. Metatarsal Osteotomies and Alternatives. Surgery of the Forefoot & Midfoot Course. sponsored by the AOFAS Course Chair, G. Andrew Murphy, M.D.
- Nov 08 San Antonio, TX: Coding for the Forefoot. Surgery of the Forefoot & Midfoot Course sponsored by the AOFAS, Course Chair, G. Andrew Murphy, M.D.

2009

- Jan 08 Pittsburgh, PA: Mini TightRope fro Hallux Valgus Correction. : Scott Alter, DPM Memorial Lecture Series @ The Western Pennsylvania Hospital Conference Center.
- Jan 08 Pittsburgh, PA: Bio-Tenodesis Technique for Tendon Fixation. Scott Alter, DPM Memorial Lecture Series @ The Western Pennsylvania Hospital Conference Center.
- Jan 22 Oakbrook, IL: Achilles Tendinosis & Bio-Tenodesis Technique for Achilles Reconstruction. Diamond Mark Educational Meetings – Solutions to Challenging Workers’ Compensation Cases.
- Jun 27 Munich, Germany: Hallux Valgus Correction. ArthroMunich.
- Aug 16 Saratoga Springs, NY: Hallux Abducto Valgus: An update using the TightRope without osteotomy @ The American College of Lower Extremity Surgeons. Foot And Ankle Fast Track.
- Oct 24 Naples, FL: Use of the Mini-Tightrope for treatment of hallux valgus. Advances in Forefoot Reconstruction.

2010

- Sep 26 Boston, FL: The potential role of the Mini-TightRope in correction of painful hallux valgus in the young athlete. Former Fellows Present: Hot Topics in Sports Medicine, 6th Annual Marino Lecture and Sports Medicine Symposium.

2011

- Jan 22 Chicago, IL: The Mini TightRope Bunion Procedure. Illinois Podiatry Medical Students' Association 33rd Annual Midwinter Seminar: Focus on the Forefoot – From Fundamentals to New Frontiers.
- Mar 14-18 Sao Paulo, BRAZIL: Visiting Professor, Santa Casa School of Medicine & Hospitals, Orthopedics Department/Foot and Ankle Division.
- Mar 17 Sao Paulo, BRAZIL: Surgical Treatment of Hallux Valgus. Grand Rounds – Santa Casa School of Medicine & Hospitals, Orthopedics Department.
- Mar 17 Sao Paulo, BRAZIL: The Diabetic Foot. Grand Rounds – Santa Casa School of Medicine & Hospitals, Orthopedics Department.
- Mar 18 Sao Paulo, BRAZIL: Treatment of Lisfranc Injuries – Update, Foot & Ankle Course – Santa Casa School of Medicine & Hospitals, Orthopedics Department/Foot & Ankle Division.
- Mar 18 Sao Paulo, BRAZIL: Syndesmosis Injuries - Update, Foot & Ankle Course – Santa Casa School of Medicine & Hospitals, Orthopedics Department/Foot & Ankle Division.
- Mar 18 Sao Paulo, BRAZIL: Calcaneus Fractures - Update, Foot & Ankle Course – Santa Casa School of Medicine & Hospitals, Orthopedics Department/Foot & Ankle Division.
- Mar 18 Sao Paulo, BRAZIL: Achilles Tendon Injuries - Update, Foot & Ankle Course – Santa Casa School of Medicine & Hospitals, Orthopedics Department/Foot & Ankle Division.
- Nov 03 Oakbrook, IL: Acute Ruptures of the Achilles Tendon. What Goes Around, Comes Around. Diamond Mark Worker's Compensation Seminar.

2012

- Oct 25 Chicago, IL: Non osteotomy technique for correction of hallux valgus deformity. Foot & Ankle Community Event, Rush University.
- Oct 27 New York, NY: Bunion repair (Mini TightRope, Opening wedge osteotomy, Chevron osteotomies, Lapidus fusion, Akin osteotomy) and hallus varus repair. Masters Course in Foot and Ankle Surgery sponsored by Arthrex, Inc.
- Oct 27 New York, NY: Achilles tendon (Haglund's insertional tendinopathies, Mids substance tears, and FHL transfer). Masters Course in Foot and Ankle Surgery sponsored by Arthrex, Inc.

Oct 27 New York, NY: Lisfranc Disruptions. Masters Course in Foot and Ankle Surgery sponsored by Arthrex, Inc.

2013

Mar 23 Chicago, IL: Invited to Specialty Day Symposium (AOFAS) – Non osteotomy alternatives: why I don't do osteotomies and fusions, Symposium 3: Bunion Surgery: Chicago Style (Who's the Boss).

Apr 29 Chicago, IL: Rush Orthopaedic Resident's Monday Night Lecture. Arthropathy of midfoot and Forefoot.

Jun 10 Chicago, IL: Rush Orthopaedic Resident's Monday Night Lecture. Diabetic Foot: Charcot Arthropathy.

Aug 03 Chicago, IL: Lisfranc Injuries: Fusion vs. ORIF Debate. 15th Annual Chicago Trauma Symposium, Advocate Health Care, Palmer House Hilton.

Aug 04 Chicago, IL: Calcaneus Fractures: Tips & Pearls. 15th Annual Chicago Trauma Symposium. Advocate Health Care. Palmer House Hilton.

Nov 08 Chicago, IL: Foot & Ankle Injuries in the Workplace. CUE Presentation for the Committee of Finance City of Chicago, co-sponsored with Coventry Workers' Comp Services.

Nov 12 Chicago, IL: Bunions in the Workplace. Sedgwick CMS Presentation, 175 W. Jackson Blvd., Chicago, IL.

2014

May 17 Toledo, OH: The Achilles Tendon. Grand Rounds – Department of Orthopaedic Surgery, University of Toledo Medical Center

Jun 12 Chicago, IL: Achilles tendon ruptures & achilles tendinosis. MOR Hot Topics Seminar

Jul 16 Chicago, IL: Charcot Arthropathy. CUE Presentation for the Committee of Finance, City of Chicago.

Jul 29 Chicago, IL Sedgwick CMS Presentation, 175 W. Jackson Blvd, Chicago, IL

2015

Apr 25 Toledo, OH: Bunions A-Z: Fact, Fiction & the Future. Grand Rounds – Department of Orthopaedic Surgery, University of Toledo Medical Center

CO-AUTHORED PRESENTATIONS**1988**

Feb 07 Atlanta, GA: "Failure of Metal-Backed Patellar Component After Total Knee Replacement" at the Annual Meeting of the American Academy of Orthopaedic Surgeons, presenter: James Bayley, M.D.

1989

Aug 05 Sun Valley, Idaho: "The Effects of High Heels on Pedal Pressures", at the Annual Summer Meeting of American Orthopaedic Foot and Ankle Society, presentation: Becky Snow.

1990

Jul 29 Las Vegas, NV: Charcot Changes to Foot and Ankle Secondary to Fractures in Diabetic Patients, 95th Annual Convention and Assembly of the National Medical Association, Nathan Hill, MS-III.

Feb 02 New Orleans, LA: A Quantitative Assessment of the Effect of Metatarsal Pads on Plantar Pressures, 20th Annual Meeting of the American Orthopaedic Foot and Ankle Society, authors George B. Holmes, Jr. (Discussion) and Laura Timmerman (Presentation).

2004

Mar 13 San Francisco, CA: Possible Etiologic Factors Associated with Symptomatic Achilles Tendinosis, Presented at the 34th Annual Meeting of the American Orthopaedic Foot and Ankle Society.

2012

- Apr 20 Bonita Springs, FL: Treatment of Achilles Tendinopathy Using Ultrasound Stimulation. Presented at the 2012 Mid-America Orthopaedic Association Meeting.
- Jun 20-23 San Diego, CA: Correction of Hallux Valgus with the Mini TightRope Device. Holmes, G.B. Hsu, A. - E-poster presentation, AOFAS Annual Meeting.
- Jun 20-23 San Diego, CA: Staple Fixation of Lisfranc Injuries : A Description of a New Technique and Early Clinical Results. Bayne, C.O., Gray, R.L., Holmes, G.B. - E-poster presentation, AOFAS Annual Meeting.

2013

- Mar 22 Chicago, CA: Revision MTP Arthrodesis for Failed MTP Arthroplasty, Paper #628 - AAOS Annual Meeting, Gross, Lin, Holmes, Lee.

MISCELLANEOUS INTERVIEWS/PRESENTATIONS/AWARDS**1989**

- Aug 30 Interviewed on high heel research for KFYZ-Radio (CBS-affiliate), Phoenix, Arizona on the Earl Baldwin Show
- Aug 07 Article on high heel research in the Journal (Stanislaus Co.) by Kathleen Grubb (Associated Press writer), Jury is still out on effects of high heels."
- Aug 04 Article on high heel research in the Monterey Peninsula Herald by Kathleen Grubb (Associated Press writer), "Study brings down high heels."
- Aug 03 Article on high heel research in the San Francisco Chronicle by Kathleen Grubb (Associated Press writer), "These shoes aren't meant for walking."
- Apr 09 Article on high heel research in the Baltimore Sun by J. E. Farrell, "Research drives spike into wearing of heels."
- Mar 23 Article on high heel research in the Detroit Free Press by J. E. Farrell, "Standing up under pressure."

- Mar 20 Article on high heel research in The Oregonian by J. E. Farrell, "Research shows high-heel shoes bad for wearers.'
- Mar 20 Article on high heel research in the Chicago Tribune by J. E. Farrell, "Not made for walkin."
- Feb 01 Article on high heel research in the Sacramento Bee Fashion Section by Gwen Sally-Schoen,"Teetering on the heels of a fashion dilemma."
- Jan 30 Interview of Becky Snow and George Holmes concerning high heel study by Kim Khazei for KCRA-TV, Channel 3, Evening News, Sacramento, CA.
- 1990**
- Dec Orthopedic Product News, "No More Heels" 1990.
- Dec MedStar TV Productions aired in New York City, Washington D.C. and Miami Florida
- Nov Work on high heel shoes aired on The Paul Harvey Radio Show
- Oct Participant in the Rose Tree Media School District's staff health fair, Penncrest High School, Media, Pennsylvania (Oct 5)
- 1991**
- Jan Most foot disorders in women related to wearing high heels, Orthopedics Today, p.17, 1991.
- Aug Working Woman
Cosmopolitan Magazine
American Health Magazine
- Nov Weight Watchers Magazine
Via - the Federal; Express Magazine
- 1998**
- Apr 18 Interviewed on the Herb Kent Saturday Morning Show, V103 FM Radio

2002

Mar 05 NBC 5 Chicago, Certificate of Merit, Nomination for the 2002 Jefferson Award, Honoring Chicago's Unsung Heroes.

2010

Jan 26 ABC 36 - WTVQ-DT, Lexington, KY: Bunion TightRope Procedure - Kristi Runyon and Medstar.

May 21 WGN-9 TV, MOR Surgeon Develops New Bunion Technique.

May 24 Rush University Medical Center News Release - New Procedure Straightens Bunions Without Cutting Bone

2012

Mar 26 Shape Magazine, When Less is More – Three rules to keep in mind before donning minimal training kicks.

May 29 WLS-7 TV, Interview regarding the selection of the best high heels. Chicago, IL.

Jul 11 Naperville-Sun, Outpatient treatment puts bunion back in its place.
by Lara Krupicka.

Jul 15 5 NBC Chicago TV – High Heel Fashion Sense for the Sole, Morning News, Chicago, IL

Jul 17 Chicago Sun-Times Lifestyles Section, Outpatient treatment puts bunion back in its place.
by Lara Krupicka, Chicago, IL.

Dec Chicago Magazine: Top Doctors in Chicago.

2013

Mar 28 NBC 5: Segment on the Mini TightRope for Bunion Repair.

Jul Today's Chicago Woman: Ask the Doctor Segment

Jul Voted one of the Top Doctors in America by "US News & World Report" and Castle Connolly, A healthcare research information company.

- Jul 17 Naperville, IL: Naperville Man Named Top Doctor by Miriam Finder.
- Jul Promoted to Associate Professor of Orthopaedics.
- Aug 04 Naperville, IL: Naperville Sun From the Top Section: Foot doctor surprised by national honors. By David Sharos, page 21.

RESEARCH GRANT AWARDS

Granting Agency	Title of Project	Period of Support
Dean's Fund	The effects of diabetes mellitus on collagen metabolism	4/87 - 3/88
B.R.S.	Degenerative changes of collagen in the Achilles tendons in diabetic dogs	4/87 - 3/88
Dean's Fund	Changes in pedal pressures & posture in women wearing high heel shoes	4/87 - 3/88
Faculty Research Grant	Influence of in vitro vascular compromise on degenerative changes in collagen of tendon	11/88 - 6/89
Hapad, Inc.	Assessment of normal inter-metatarsal pressures	8/90 - 6/91
MAOA Grant	Treatment of Achilles Tendinopathy using USG Stimulation (Andy Hsu; Faculty Mentor)	2011 -

ABSTRACTS:

Holmes, GB., Sharkey, N., Syftestad, G., and Reiser, K.: Changes in collagen crosslinks, fibril diameter and mechanical strength in aging chicken tendons. Transactions of the 37th Annual Meeting, Orthopaedic Research Society, 16(2):620, 1991.

Holmes, GB., Mann, RA., and Wells, L.: Epidemiological factors associated with rupture of the Achilles tendon. Orthopaedic Transactions, accepted for 1991.

Holmes, G.B., Timmerman, L., Willits, N.H.: Practical considerations for the use of the pedobarograph. Orthopaedic Transactions, accepted for 1991.

Holmes, G.B. : Posterior tibial tendon rupture may occur less in RA but deform more. Q & A. J. Musculoskeletal Med., 7(9):8, 1990.

Snow, B., Holmes, G.B., and Williams, K.: The effects of wearing high-heel shoes on pedal pressures. Orthopaedic Transactions, 1990..

Holmes, G.B.: The anatomy and pathophysiology of rupture of the posterior tibial tendon. Orthopaedic Transactions, 1990 .

Holmes, G.B. and Mann, R.A.: Etiological factors associated with rupture of the posterior tibial tendon. Orthopaedic Transactions, 12(3):767, 1988.

Bayley, J.C., Scott, R.D., Ewald, R.C., and Holmes, G.B.: Failure of the metal-backed patellar component after total knee replacement. Orthopaedic Transactions, 12(3):669, 1988.

Holmes, G.B.: Hand infection in children. A preliminary retrospective study. Orthopaedic Transactions, 10(3):560, 1986.

Holmes, GB., Kupferberg, H. and Yonekawa, W.: Differential metabolic N-demethylation of 1,3-dimethyl-diphenylhydantoin in mice. Report of the 14th Annual Meeting of the U.S. Public Health Service Association, 1979.

PUBLICATIONS - REFEREE:

Bayley, J.C., Scott, R.D., Ewald, F.C., and Holmes, G.B.: Failure of the metal-backed patellar component after total knee replacement. *J. Bone Joint Surg.*, 70(A):668-674, 1988.

Holmes, G.B. and Timmerman, L.: A quantitative assessment of the affect of metatarsal pads on plantar pressures. *Foot Ankle*, 11(3):141-145, 1990

Mann, R.A., Holmes, G.B., Seale, K.S., and Collins, D.N.: Chronic rupture of the Achilles tendon: A new technique of repair. *J. Bone Joint Surg.*, 73(A):214-219, 1991.

Holmes, G.B., Timmerman, L., Willits, N.H.: Practical considerations for the use of the pedobarograph. *Foot Ankle*, 12(2):105-108, 1991.

Holmes, G.B. and Mann, R.A.: Possible epidemiological factors with rupture of the posterior tibial tendon. *Foot Ankle*, 13(2) :70-79, 1992.

Snow, B., Williams, K., and Holmes, G.B.: The effects of wearing high-heeled shoes on pedal pressure in women. *Foot Ankle*, 13(2):85-92, 1992.

Swanson, T.V.; Bray, T.J.; and Holmes, G.B.: Talar neck fractures: A mechanical study of fixation. *J. Bone Joint Surg.*, 74(A):544-551, 1992.

Holmes, G.B. : Arthrodesis of the first metatarsophalangeal joint using interfragmentary screw and plate: Technique Tip, *Foot Ankle*, 13(6):333-335, 1992.

Holmes, G.B.: Quantitative determination of intermetatarsal pressure. *Foot Ankle*, 13(9):532-535, 1992.

Holmes, G.B. and Hill, N.: Fractures and dislocations of the foot and ankle in diabetics associated with Charcot joint changes. *Foot Ankle*, 15(3):182-185, 1994..

Holmes, G.B. : The treatment of delayed unions and nonunions of the proximal fifth metatarsal with pulsed electromagnetic fields. *Foot Ankle*, 15(10):552-556, 1994.

Holmes, G.B., Goodman, K.L., Hang, D. and McCorvey, V.M.: Noise levels of orthopedic instruments and their potential health risks. *Orthopedics*, 19(1):35-37, 1996.

Holmes, G.B.: Gunshot Wounds of the Foot. *Clin. Ortho. Rel. Res.*, 408: 86-91, 2003.

Holmes, GB: Treatment of displaced calcaneal fractures using a small sinus tarsi approach. *Tech Foot Ankle Surg.* 4:35-39, 2005.

Holmes, G.B. Clinical Tip: Eccentric In-Situ Inlay Bone Graft for Delayed Unions and Nonunions of the Base of the Fifth Metatarsal. *Foot Ankle Int.* 27(7):556-558, 2006.

Holmes, G.B., Lin, J.: Possible Etiologic Factors Associated with Symptomatic Achilles Tendinopathy. *Foot Ankle Int.* 27(11):952-959, 2006.

Holmes, G.B., Hsu, A.: Correction of Intermetatarsal Angle in Hallux Valgus Using Small Suture Button Device. *Foot Ankle Int.* 34(4):543-549, 2013.

Gross, C., Hsu, A., Chahal, J., Holmes, G.: Injectable Treatments for Non-insertional Achilles Tendinosis: A Systematic Review. *Foot Ankle Int.* 34(5):619-628, 2013.

Gross, C, Holmes, GB: Treatment of A Neglected Syndesmosis Injury Using a Unique Method of Reduction. Submitted to *Am. J. Ortho. Surg*, 2012.

Gross, C, Hsu, A, Lin, J., Holmes, G, Lee, S.: Revision MTP joint Arthrodesis for failed 1st MTP joint Arthroplasty. Accepted to *Foot & Ankle Specialist*, 2013.

Gross, C, Haughom B, Chahal J, Holmes G: Treatments for Avascular Necrosis of the Talus: A Systematic Review. Accepted to *Foot & Ankle Specialist*, 2013.

Holmes, G, Wydra, F, Gross, C: A Unique Treatment for Talar Avascular Necrosis: Internal Bone Stimulator, Accepted *JBJS Case Connector*, 2014.

PUBLICATIONS - NONREFEREE

Holmes, G.B.: Faculty Profile: Professor Jay Marx - News Briefs, *Yale Scientific*, 49(4): 18-19, 1975.

Holmes, G.B.: Management of stress fractures. *Family Practice News*, 19(19):45, 1989.

Holmes, G.B.: Preventing Foot Amputations in Diabetic Patients - Clinical Advancements in Contemporary Medicine. *News from Jefferson* 4(5), 4-5, 1989.

Holmes, G.B.: Treating refractory plantar fasciitis. *Consultant*, 29(10):19, 1989.

Holmes, G.B., Cracchiolo, A., Goldner, J.L., and Mann, R.A.: Symposium: Current practices in the management of posterior tibial tendon rupture. *Contemporary Orthopaedics*, 20(1) 79-108, 1990.

Holmes, G.B.: What causes unremitting heel pain? *Consultant*, 30(12):15, 1990.

Holmes, G.B.: Tendon injuries in American Orthopaedic Foot and Ankle Society Review Course 1990, AOFAS, 1990, pp. 355-374.

Holmes, G.B.: Health Tip: The Pump Stops Here in New Directions, Jefferson Park Hospital, Thomas Jefferson University, page 6, December 1990.

Holmes, G.B., Mann, R.A., and Wells, L.: Epidemiological factors associated with rupture of the Achilles tendon. *Contemporary Orthopaedics*, 23(4): 327-331, 1991.

Holmes, G.B.: Surgical management of forefoot disorders: Bunions and Bunionettes. *Current Opinion in Rheumatology*, 3(1), 1991.

Holmes, G.B. : Reconstruction of the forefoot in rheumatoid arthritis. *Seminars in Arthroplasty*, accepted, 1991.

Holmes, G.B.: Everybody Dance in Mercy Health Plan (Philadelphia) Newsletter, accepted 1991.

Holmes, G.B. : Arthrodesis of the First Metatarsophalangeal Joint, accepted for *Operative Techniques in Orthopaedics*, 1992.

Holmes, G.B.: Kick Off Your High Heels. *New Developments in Medicine & Drug Therapy*, 1(2):25-26, 1993.

Holmes, G.B. : Basic science of the foot and ankle. *Current Opinion in Orthopaedics*, 4(3), June, 1993.

Holmes, G.B.: Gait Analysis in Hallux Valgus. *Foot and Ankle Clinics*, 2(4):627-637, 1997.

Holmes, G.B.: Correction of hallux valgus deformity using the Mini TightRope Device. *Techniques in Foot and Ankle Surgery*. 7(1):9-16, 2008.

Holmes, G.B.: Correction of hallux valgus without osteotomy allows for faster recovery. *Orthopaedics Today*, 31(2):5-9, 2011.

Holmes, G.B.: Osteotomy-sparing methods for correction metatarsus primus varus in hallux Valgus. *Rush Orthopedics Journal*:51-53, 2012.

Holmes, G.B.: Correction of the Intermetatarsal Angle Component of Hallux Valgus Using Fiberwire-Attached Endo-buttons., *Revista Internacional de Ciencias Podologicas*, 6(2): 73-79, 2012.

Holmes, G.B.: Staple fixation of Lisfranc injuries. A description of a new technique. *Techniques in Foot & Ankle Surgery*, accepted, 2012-2013.

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Holmes, G.B.: Hallux rigidus in Operative Surgery of the Foot. John S. Gould (Ed.), Philadelphia, W.B. Saunders, 1993.

Holmes, G.B. : Compression syndromes of the foot and ankle in Operative Surgery of the Foot. John S. Gould (Ed.), Philadelphia, W.B. Saunders, 1993.

Holmes, G.B.: Tendons in Selected Bibliography of the Foot and Ankle with Commentary. by American Orthopaedic Foot and Ankle Society, 1992.

Holmes, G.B. and Woods, L.C.: Joint Systems: Foot and Ankle in Disability Evaluation. by S.L. Demeter, G.B.J. Andersson and G.M. Smith (Eds.), St. Louis, Mosby, 1996. Second Edition, 2003.

Holmes, G.B.: Nonunion of the fifth metatarsal: Inlay Technique in Advanced Reconstruction: Foot & Ankle. Edited by I. Alexander, E. Bluman, J. Greisberg. AAOS, 2012-2013 (manuscript accepted)

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Holmes, G.B.: Review of "The Foot Book" by John S. Gould, Editor. Baltimore, Williams & Wilkins, 1988 in J. Bone Joint Surg., 71(A).797, 1989.

Holmes, G.B. Review of "Injury and Repair of the Musculoskeletal Soft Tissues" edited by Savio L-Y Woo & Joseph A. Buckwalter. Park Ridge, Ill., A.A.O.S., in Orthopedics Today, 11(3): 52, 1991.

Holmes, G.B.: Review of "Gait Analysis. Normal and Pathological Function" by Jacquelin Perry, Thorofare, N.J., Slack Incorp. in Orthopedics Today, accepted for 1993.

Holmes, G.B. Review of "The Foot and Ankle: A Sectional Imaging Atlas" by David P. Mayer, Bruce Elliot Hirsch, and William H. Simon, Thorofare, N.J., Slack Incorp. in Orthopedics Today, March:27, 1994.

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Holmes, G.B. and Lee, S. Curbside Consultation of the Foot and Ankle. Slack Incorporated, 2012.