

CURRICULUM VITAE

NAME Marko Bodor, M.D.

Position: Interventional Spine and Sports Medicine, Bodor Clinic, Napa, CA, 1998-present
Voluntary Adjunct Assistant Professor, Department of Neurological Surgery,
University of California San Francisco, 2011- present.
Advanced Preceptor Affiliate, Betty Irene Moore School of Nursing,
University of California, Davis, 2023-present.
Voluntary Adjunct Assistant Professor, Department of Physical Medicine and
Rehabilitation, University of California Davis 2011-2022.

Practice Location: Bodor Clinic, 3421 Villa Lane, Suite 2B, Napa CA 94558

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EDUCATION

1978-1982	Harvard College	A.B. Biology	Cum Laude, General Studies
1982-1983	Work/Travel		
1983-1987	University of Cincinnati Medical School	M.D.	
1987-1988	University of California, San Diego	Internship	Surgery
1990-1993	University of Michigan	Residency	Physical Medicine and Rehabilitation

LICENSES, CERTIFICATION

1988 California Medical License (valid through 12/31/2025).
1994 Board Certification, American Board of Physical Medicine and Rehabilitation (recertified 2017).
1997 Board Certification (non-ACGME), American Board of Neuromuscular and Electrodiagnostic
Medicine, (recertified 2017).
2004 Board Certification, Pain Medicine (recertified in 2013).
2010 Board Certification, Sports Medicine (recertified in 2019).

PRINCIPAL POSITIONS HELD

1988-1990	Physicians and Surgeons Hospital, San Diego, California	Emergency Physician
1993-1994	Braintree Rehabilitation Hospital, Braintree, MA	PMR Specialist
1994-1995	Emergency Physicians Medical Group, Ann Arbor, MI	Urgent Care Physician
1995-present	Marko Bodor, M.D, Private Practice	PMR Specialist

OTHER POSITIONS HELD CONCURRENTLY

1988-1990	Ambulatory Care Department, Physicians & Surgeons Hospital San Diego, California	Medical Director Emergency Physician
1989-1990	Harborview Medical Center, San Diego, California	Emergency Physician
1991-1993	Emergency Physicians Medical Group, Ann Arbor, Michigan	Urgent Care Physician
1996-1998	West Coast Resources Pain Management Program, Napa, CA	Medical Director
2004-2012	Napa Valley College Athletic Department	Team Physician

2006-2018	Synergy Medical Fitness/Wellness Center, Queen of the Valley Medical Center	Medical Director
2012-2017	Thayer Intellectual Property	Scientific Advisor
2014-2022	Napa Medical Research Foundation	Medical Director
2016	Sonex Health	Key Opinion Leader
2018	Merz Pharmaceuticals (Xeomin)	Instructor
2022-present	Bodor Research Foundation	Medical Director

HONORS AND AWARDS

1982	Harvard College, Cum Laude in General Studies
1992	University of Michigan Medical Center “You’re Super” Patient Service Award
1997, 2007	Queen of the Valley Hospital, “Number One” Patient Service Awards
2008	Medical Fitness Association, Best Medical Fitness Facility in USA (for Wellness Center)
2009	Queen of the Valley Medical Center, Best Team Award (for Executive Wellness Program)
2010	International Society for Ultrasound and Regional Anesthesia, Schwetzingen, Germany, 3 rd place Innovation Award: US-guided Cervical Medial Branch Radiofrequency Ablation
2013	Peer Reviewer Certificate of Appreciation, PMR Journal
2014, 2015	Distinguished Reviewer Award, Journal of Ultrasound Medicine
2017	Sonex Pioneer Physician Award
2022	Castle Connolly Top Doctor
2023	Best Sports Medicine Doctor, Bohemian Magazine, Santa Rosa

KEYWORDS/AREAS OF INTEREST:

Interventional spine, sports medicine, physical medicine and rehabilitation, electrodiagnosis, diagnostic ultrasound, ultrasound-guided surgery.

PROFESSIONAL ACTIVITIES

Along with 2-3 fellows, our clinic would see on the order of 28 patients per day, including new consultations, continuing care and various procedures performed in the office and at an outpatient surgery center. On the weekends I have prepared lectures, written research papers and worked on continuing medical education. Between 2014 and 2022, our research was funded in part by the Napa Medical Research Foundation, which received support from patients and our community. In 2023, the Bodor Research Foundation was established to continue this work. I have been affiliated with the UCSF Department of Neurological Surgery and the UC Davis Department of Physical Medicine and Rehabilitation, and most recently with the Betty Irene Moore School of Nursing at UC Davis, from where a number of students have rotated.

HOSPITAL AFFILIATIONS

1995- present	Queen of the Valley Medical Center, Napa, California	Active Staff
1997- present	St. Helena Hospital, Deer Park California	Active Staff
1997-98	Santa Clara Valley Medical Center, San Jose, CA	Part-time Staff

PROFESSIONAL ORGANIZATIONS

American Academy of Physical Medicine and Rehabilitation, Fellow
 American Association of Neuromuscular and Electrodiagnostic Medicine, Fellow
 American Institute of Ultrasound in Medicine, Fellow
 American Society of Regional Anesthesia and Pain Medicine
 International Pain and Spine Intervention Society
 American College of Sports Medicine
 American Medical Association
 California Medical Association
 Napa County Medical Society

SERVICE TO PROFESSIONAL ORGANIZATIONS

2022-present	International Pain and Spine Intervention Society Sustainability Task Force
2021-present	American Academy of Physical Medicine and Rehabilitation Biologics Workgroup
2017	American Academy of Physical Medicine and Rehabilitation, Advancing PMR Bold, MSK Think Tank, Rosemont, Illinois 11/3-11/4/17.
2016	Queen of the Valley Wellness Committee, Chairman.
2015	American Society of Regional Anesthesia, Founding Member, Regenerative Medicine Scientific Interest Group.
2014-2015	American Institute of Ultrasound Medicine: Endowment for Education Research Grant Review Committee
2013	American Association of Neuromuscular and Electrodiagnostic Medicine Ultrasound Committee.
2008	Queen of the Valley Medical Center Wellness Center Physician Advisory Committee.
2007	American Academy of Physical Medicine and Rehabilitation Ultrasound Task Force.
2009-2011	Queen of the Valley Medical Center “Healthy for Life” Pediatric Obesity Task Force.
2004-2011	Queen of the Valley Medical Center Pain Management Committee, Vice Chair.
2005-2010	American Association of Neuromuscular and Electrodiagnostic Medicine Mini-Monograph Committee, Chairman 2007 – 2010.
2007-2010	American Association of Neuromuscular and Electrodiagnostic Medicine CME Committee.
2008-2010	American Board of Neuromuscular and Electrodiagnostic Medicine Oral Board Examiner
2006-2007	Queen of the Valley Medical Center Medical Executive Committee

SERVICE TO PROFESSIONAL PUBLICATIONS

Reviewer for *PMR* (29 papers in past 10 years), *Muscle & Nerve* (19 papers in past 10 years), *Journal of Ultrasound Medicine* (22 papers in past 10 years), *Archives of Physical Medicine and Rehabilitation* (12 papers in past 10 years), *Journal of Biomechanics* (5 papers in past 10 years), *Experimental Mechanics* (1 paper in past 10 years), *American Journal of Physical Medicine and Rehabilitation* (2 papers in past 10 years), *Vaccine* (2 papers in past 10 years), *Indian Journal of Orthopedics* (4 papers in past 10 years), *Open Orthopedics Journal* (1 paper in past 10 years). *Medicine Science Sports Exercise* (2 papers in past 10 years), *JAMA Internal Medicine* (1 paper in past 10 years), *Annals of Internal Medicine* (1 paper in

past 10 years), *Brain Sciences* (1 paper in past 10 years), *International Journal of Molecular Sciences* (1 paper in past 10 years), *BMJ Open* (1 paper in past 10 years). *Frontiers in Neurology* (1 paper in past 10 years.)

SELECTED INVITED PRESENTATIONS

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2002: Musculoskeletal Diagnostic Ultrasound Workshop.

American Academy of Physical Medicine and Rehabilitation Annual Meeting, 2002: Musculoskeletal Ultrasound Symposium; “Enhanced Kinesiological Awareness through Muscle Ultrasound.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2003: “Musculoskeletal Diagnostic Ultrasound Course.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2004: Musculoskeletal Diagnostic Ultrasound Course Faculty.

Division of Physical Medicine and Rehabilitation, Department of Orthopedics, Stanford University, 2004: “Musculoskeletal Diagnostic Ultrasound.”

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 2004, “Shoulder Pathokinesiology” (AAEM Course B: Painful Shoulder).

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2005: Musculoskeletal Diagnostic Ultrasound Course Faculty.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 2005, Diagnostic Ultrasound Course Faculty.

Division of Physical Medicine and Rehabilitation, Department of Orthopedics, Stanford University, 2005: “Musculoskeletal Diagnostic Ultrasound.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2006: Musculoskeletal Diagnostic Ultrasound Course Faculty.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 2006, Diagnostic Ultrasound Course Faculty.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 2007: Musculoskeletal Diagnostic Ultrasound Course Faculty.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 2007, Diagnostic Ultrasound Course Faculty.

Division of Physical Medicine and Rehabilitation, Department of Orthopedics, Stanford University, 2007: “Musculoskeletal Diagnostic Ultrasound.”

Department of Rehabilitation Medicine, Rusk Institute, New York University 6/2007, Grand Rounds: “Musculoskeletal Diagnostic Ultrasound.”

American Institute of Ultrasound in Medicine, Hands-On Musculoskeletal Ultrasound Course: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota, 7/2008, Laboratory Faculty.

Spaulding Rehabilitation Hospital, affiliate of Harvard Medical School, Boston, Massachusetts 9/2008.

Lecture to Residents: “Musculoskeletal Diagnostic Ultrasound.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting 11/2008: Musculoskeletal Diagnostic Ultrasound Course.

American Academy of Physical Medicine and Rehabilitation Annual Meeting, San Diego, California, 11/2008: “Ultrasound Cases and Clinical Pearls;” Ultrasound Workshops for Residents.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 9/2008, Diagnostic Ultrasound Faculty.

American Academy of Pain Medicine Annual Meeting, Honolulu, Hawaii, 1/2009, Laboratory Faculty: “Ultrasound Guidance for the Pain Physician.”

Department of Rehabilitation Medicine, University of Washington, 5/2009, Lecture to Residents, “Diagnostic and Interventional Musculoskeletal and Neuromuscular Ultrasound.”

American Institute of Ultrasound in Medicine, Hands-On Musculoskeletal Ultrasound Course: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota, 7/2009, Laboratory Faculty.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 10/2009, Diagnostic Ultrasound Course Faculty.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 10/2009: Musculoskeletal Diagnostic Ultrasound Course Faculty

American Academy of Physical Medicine and Rehabilitation Annual Meeting 10/2009, Austin, TX: Diagnostic and Interventional Musculoskeletal Ultrasound of the Gluteal Region and Hip: Identification of Pathology.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 10/2009: Further Applications of Musculoskeletal Ultrasound: Impact Cases and Clinical Pearls.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 10/2009: State-of-the-Art Treatment of Cervical Dystonia and Thoracic Outlet Syndrome with Chemodenervation and Ultrasound Guidance: Lecture and Workshop Faculty.

Musculoskeletal Ultrasound Course for the Faculty of the Departments of Physical Medicine and Rehabilitation and Family Practice/Sports Medicine, University of California Davis Medical Center, 3/2010 (taught with J. Smith and J. Finnoff of Mayo Clinic).

American Academy of Physical Medicine and Rehabilitation, Advanced Upper Extremity Musculoskeletal Ultrasound Course Faculty, Las Vegas, Nevada, June 2010: Live Demonstration of Elbow, Lecture on Hand and Wrist Interventional Procedures, Laboratory Faculty.

American Institute of Ultrasound in Medicine, Hands-On Musculoskeletal Ultrasound Course: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota, 7/2010, Laboratory Faculty.

Division of Physical Medicine and Rehabilitation, Department of Orthopedics, Stanford University, 8/25/2010: “Musculoskeletal Diagnostic Ultrasound.”

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 10/2010, Quebec City, Quebec, Canada: Diagnostic Ultrasound Workshop and Course Faculty.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 11/2010, Seattle, WA: Musculoskeletal Diagnostic Ultrasound Course Faculty: Live Demonstration of Needle Guidance, and Lecture on Normal and Abnormal Ultrasonography of the Hip and Knee.

American Academy of Physical Medicine and Rehabilitation, Advanced Upper Extremity Musculoskeletal Ultrasound Course Faculty, Las Vegas, Nevada, June 2011: Lecture on Hand and Wrist Interventional Procedures, Live Demonstration and Laboratory Faculty.

Musculoskeletal Ultrasound Course for the Sports Medicine Faculty of University of California, Berkeley, held at Marko Bodor MD, Inc., Napa, CA June 2011.

American Institute of Ultrasound in Medicine, Hands-On Diagnostic and Interventional Musculoskeletal Ultrasound in the Upper Limb: State of the Art, Mayo Clinic, Rochester, Minnesota, 7/2011, Laboratory Faculty.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 9/2011: Differential Diagnosis and Imaging of Shoulder Disorders (course lecture); Diagnostic Ultrasound Work-Shops (x2), [Advanced Diagnostic Ultrasound Hands-On Course.

American Academy of Physical Medicine and Rehabilitation Annual Meeting 11/2011: Advanced Interventional Ultrasound Techniques (Symposium); Ultrasound Guidance for Neurotoxin Injections (Beginner and Advanced Workshops).

American Academy of Physical Medicine and Rehabilitation Advanced Lower Extremity Musculoskeletal Ultrasound Course Faculty, Las Vegas, Nevada, February 2012: Laboratory Faculty.

American Academy of Pain Medicine Annual Meeting, Palm Springs, CA, February 2012: Laboratory Faculty: Ultrasound for Interventional Pain Management.

American Institute of Ultrasound in Medicine, Hands-On Diagnostic and Interventional Musculoskeletal Ultrasound in the Upper Limb: State of the Art, Mayo Clinic, Rochester, Minnesota, 7/2012: Laboratory Faculty; Lecture to Faculty (PRP for hip labrum); Manos CT Release Dinner Lecture.

American Association of Neuromuscular and Electrodiagnostic Medicine Annual Meeting, 10/2012: Diagnostic Ultrasound Work-Shops x 2; Advanced Diagnostic Ultrasound Hands-On Course.

American Academy of Physical Medicine and Rehabilitation, Advanced Upper Extremity Musculoskeletal Ultrasound Course Faculty, Las Vegas, Nevada, March 2013: 1) Lecture on Hand and Wrist Interventional Procedures; 2) Laboratory Faculty.

TOBI (The Orthobiologic Institute) PRP Seminar, Los Angeles, 6/2013: 1) Lecture on PRP for Intervertebral Discs; 2) Interventional Ultrasound Cadaver Laboratory Faculty.

American Institute of Ultrasound in Medicine, Hands-On Diagnostic and Interventional Musculoskeletal Ultrasound in the Upper Limb: State of the Art, Mayo Clinic, Rochester, Minnesota, 6/2013: Laboratory Faculty; Lecture to Faculty (US-guided CTS release); Manos CT Release Dinner Lecture.

Department of Neurology, University of Ljubljana, Slovenia, Lectures on US-guided CTS release, PRP for Intervertebral Discs, and Pathophysiology of Duchenne Muscular Dystrophy, July 2013.

Musculoskeletal Ultrasound Course for the Sports Medicine Faculty of University of California Berkeley (along with Jonathan Finnoff, DO), Berkeley, CA, August 2013.

American Academy of Physical Medicine and Rehabilitation, Ultrasound for Spine and Pain Course, Tampa, Florida, Lecture on Miscellaneous and Emerging Topics: Stellate Ganglion Block, Cervical and Lumbar Facet Injections and Medial Branch Blocks; Lab Faculty, August 2013.

Ultra-Minimally Invasive Surgery for the Upper Extremity Conference, Hospital Gregorio Maranon, Madrid Spain: Lectures 1) Manos Carpal Tunnel Release; 2) Exertional Compartment Syndrome, November 2013.

Lecture and Demonstration of Ultrasound for Chemodenervation to UCSF Neurology Movement Disorders Faculty (Jill Ostrem et al) at Roy's Restaurant, San Francisco, January 2014.

Lecture to Queen of the Valley Foundation, Bodor Clinic Research Update, Napa, March 2014.

TOBI (The Orthobiologic Institute) PRP Symposium, Las Vegas, 6/2014: Interventional Ultrasound Cadaver Laboratory Faculty.

International Society of Ultrasound and Regional Anesthesia (ISURA) Meeting, Toronto, Canada. Lectures: Principles of Ultrasound-guided Interventions; Hip and Knee Ultrasonography; Interventions and Prolotherapy and Platelet Rich Plasma. Lab Faculty: Shoulder, Neck, Stellate Ganglion. 6/2014

American Institute of Ultrasound in Medicine, Hands-On Diagnostic and Interventional Musculoskeletal Ultrasound in the Upper Limb: State of the Art, Mayo Clinic, Rochester, Minnesota, 7/2014: Laboratory Faculty; Lecture to Faculty (Hip Impingement).

American Society of Regional Anesthesia (ASRA) Meeting, San Francisco, CA, 11/2014: Lectures: 1) Plenary Session: Scanning Protocol and Interventions for the Wrist (along with Levon Nazarian MD); 2) Interventions for the Wrist; 3) Lab Faculty, Ultrasound Workshop.

Federation of European Societies for Surgery of the Hand Annual Meeting, Milano, Italy, 6/2015: Symposium Lecture: Ultrasound-guided Carpal Tunnel Release using a 2 mm Device.

Symposium on Ulnar Neuropathy at the Elbow, Institute of Clinical Neurophysiology, University Medical Center, Ljubljana, Slovenia, 9/2015: Lecture: Nerve Adaptation in Response to Mechanical Loading.

American Academy of Physical Medicine and Rehabilitation Annual Meeting, Boston, MA, 10/2015: Lab Faculty, Ultrasound for Nerve Conduction Studies and Needle Electromyography.

Puget Sound Spine Society: Lecture: Intervertebral Disc Repair and Regeneration, Seattle, WA 1/2016.

OSS Spine/Pain Conference, Alta, UT 2/2016: Lectures: Disc Regeneration, US-Guided Carpal Tunnel Release, PRP. Workshops: Ultrasound of Cervical Spine, Carpal Tunnel, Hip; Ultrasound Pearls.

North American Spine Society Evidence and Technology Summit, Park City, Utah, 2/2016. Lectures: Transforaminal Biologics; Disc Regeneration.

AIUM/Andrews Sports Medicine Institute Ultrasound Course, Gulf Breeze, FL, 5/2016. Lecture: Hand and Wrist Therapeutics. Lab Faculty: Ultrasound Guided Injections.

International Society of Ultrasound and Regional Anesthesia, Toronto, Canada, 6/2016. Lectures: Examination Protocol and Ultrasound-Guided Interventions for the Knee; Shoulder; Regenerative Injection Therapies: Clinical Indications & Technical Considerations for Shoulder and Knee Injections.

New Jersey Society of Physical Medicine and Rehabilitation, Newark, NJ: Ultrasound as Game Changer

American Academy of Physical Medicine and Rehabilitation Annual Meeting, New Orleans, LA 10/2016:
Lecture: Ultrasound as Game Changer.

Interventional Orthopedics Foundation Annual Symposium, Denver, CO, 2/2017: Lecture: Ultrasound-Guided Carpal Tunnel Release.

California Society of Physical Medicine and Rehabilitation, San Francisco, CA, 4/2017: Lecture: Ultrasound as a Game Changer.

American Medical Society for Sports Medicine, San Diego, CA, 5/2017: Ultrasound Course Faculty and Lecture: Ultrasound-Guided Carpal Tunnel Release.

The Orthobiologic Institute (TOBI), Las Vegas, NV, 6/2017. Workshop Lecture and Lab Faculty: Ultrasound-Guided Cervical, Thoracic and Lumbar Facet Injections.

Spine Intervention Society, San Francisco, CA, 7/2017: Lecture: Bone Marrow Aspirate Concentrate and Platelet Rich Plasma; Point/Counter-Point: Using Regenerative Medicine in Clinical Practice.

Department of Neurological Surgery, University of California San Francisco, Grand Rounds, 9/2017: Peripheral Nerve Ultrasonography: Median and Ulnar Nerves and Carpal Tunnel Release.

Department of Neurological Surgery, University of California San Francisco, 10/2017: Hands-on Ultrasonography of Peripheral Nerves and Brachial Plexus, in conjunction with David Kline MD, Eric Zager MD, and Line Jacques MD, Anatomy Lab Dissection.

UCSF Spine Symposium, Lecture: Biologics for Discs: Fact or Fiction, San Francisco, CA, 6/2018.
Bodor M., Efficacy of biologic treatments for disc pain. AudioDigest Orthopaedics. 41:20(Oct21), 2018.
http://legacy.audio-digest.org/adfwebcasts/mp3/OR4120/or4120_1.mp3

The Orthobiologic Institute (TOBI), Las Vegas, NV, 6/2018. Workshop Lecture and Lab Faculty: Ultrasound-Guided Cervical, Thoracic and Lumbar Facet Injections.

UCSF Neurosurgery Update, Lecture: Ultrasound-Guided Peripheral Nerve Diagnosis and Treatment, Silverado Country Club, Napa, CA 8/2018.

Napa Pain Conference. Lecture: Shoulder and Knee Interventional and Diagnostic Ultrasound; Lab Faculty: Ultrasound for Pain Diagnosis and Treatment. 8/2018.

Private Medical Group Medical Staff Lecture: Biologics for Discs: Fact or Fiction, San Francisco, CA, 9/2018.

Queen of the Valley Medical Center Medical Staff Lecture: Biologics for Discs: Fact or Fiction, Napa, CA, 10/2018.

Department of Neurological Surgery, University of California San Francisco, 11/2018: Kline Day Lecture: Ultrasound for Diagnosis and Treatment of Peripheral Nerve Disorders, Hands-on Ultrasonography of Peripheral Nerves and Brachial Plexus and Anatomy Lab Dissection in conjunction with Ian Valerio, MD and Line Jacques MD.

California Society of Physical Medicine and Rehabilitation, Lecture: Biologics for Discs: Fact or Fiction, San Francisco, CA, 4/2019.

UCSF Neurosurgery Update, Lecture: Biologics for Discs: Fact or Fiction, Sonoma, CA, 8/2019.

Napa Pain Conference. Lab Faculty: Musculoskeletal Ultrasound from Head to Toe. 8/2019.

Interventional Orthopedics Foundation, Lecture: Cervical Spine Procedures, Denver, CO, 2/2020.

OSS Health/Dr. Furman's Fellowship, Lecture: Biologics for Discs, Virtual, 6/2020.

Florida Academy of Pain Medicine and the American Academy of Regenerative Orthopedic Medicine, Lecture: Examination Protocol & US Guided Interventions for Painful Knee & Shoulder Disorders, Virtual. 11/2020.

Vaccination Related Shoulder Dysfunction, Advisory Commission on Childhood Vaccines (ACCV) Teleconference, Washington DC, 12/2020.

Bodor Clinic Research Lecture to Research Faculty at the Steadman-Philippon Research Institute, Vail, Colorado, 3/16/21.

Steadman-Philippon Research Institute 6th Annual Vail Scientific Summit, Lecture: Biologics for Discs: Fact or Fiction, Vail, Colorado, 8/2021.

Rutgers Grand Rounds Lectures: Biologics for Discs, Ultrasound-guided Carpal Tunnel Release, Advanced Interventional Applications Utilizing Musculoskeletal Ultrasound, Virtual, 11/2021.

OSS Health 5th Biennial Image Guided Diagnosis & Treatment of Spine & Musculoskeletal conditions conference, Lectures & Ultrasound Instructor: 1) Axial LBP- Regenerative options- non disc, 2) USG CTS release, 3) Cervical Disc - US & Fluoro, 4) SIRVA, Crested Butte, CO, 1/2022.

Interventional Orthopedics Foundation, Lecture: Biologics for Discs, Denver, CO, 2/2022.

Association of Young Croatian Physiatrists. Lecture: Biologics for Discs. Virtual, 3/2022.

Interventional Orthopedics Foundation, Disc Injections, Cadaver Lab, Bodor Clinic Napa, 10/2022.

UCSF Department of Neurological Surgery, Peripheral Nerve Anatomy Lab, US Lecture, 10/2022.

Interventional Orthopedics Foundation, Lecture: Effect of Local Anesthetics on Platelet Function, 3/2023.

International Society of Ultrasound and Regional Anesthesia, Lectures on Ultrasound-Guided Carpal Tunnel Release, Tendinopathies, and Lab Instruction for Ultrasound Scanning, Toronto, June 2023.

Japanese Orthopedic Ultrasound Society, Lectures on Techniques in Ultrasound-Guided Surgery and State of Ultrasound-Guided Surgery in the United States. Tokyo, Japan, 2023.

CME COURSES ATTENDED [Last 18 years]

2004

- American Academy of Physical Medicine and Rehabilitation Annual Meeting
- American Academy of Orthopedic Surgeons, 71st Annual Meeting
- The International Spinal Injection Society, Inc., ISIS Phase 3 Cervical Spinal Injection Workshop Using Cadavers
- University of Wisconsin Medical School Continuing Medical Education, 2nd Annual Comprehensive Pain Board Review Symposium
- Musculoskeletal Ultrasound Society, 14th Annual Conference, Bologna, Italy.
- The International Spinal Injection Society, ISIS Phase 4 Discography Workshop Using Cadavers
- American Association of Neuromuscular & Electrodiagnostic Medicine Scientific Meeting

Course B: Painful Shoulder

2005

- American Academy of Physical Medicine and Rehabilitation Annual Meeting
- American Association of Neuromuscular & Electrodiagnostic Medicine Scientific Meeting
- Musculoskeletal Ultrasound Society 15th Annual Conference, Monterey, CA.

2006

- American Academy of Physical Medicine and Rehabilitation Annual Meeting
- IDET IntraDiscal ElectroThermal Therapy, ElectroThermal Disk Decompression, and RF Facet Denervation
- John Muir Medical Center, Neurosciences: Essentials for Your Practice
- Current Issues of Magnetic Resonance Imaging in Orthopedics and Sports Medicine
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting
- American College of Sports Medicine 53rd Annual Meeting, Denver, CO

2007

- American Academy of Physical Medicine and Rehabilitation Annual Meeting.
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting.
- American Association of Neuromuscular & Electrodiagnostic Medicine, Passed Board Recertification Examination.
- Musculoskeletal Ultrasound Society Meeting, 17th Annual Conference, Paris, France.

2008

- American Academy of Physical Medicine and Rehabilitation Annual Meeting
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting
- American Academy of Orthopedic Surgeons, 75th Annual Meeting
- Back Pain: The Community Standard for Treatment, Queen of the Valley Medical Center
- Association for Medical Ultrasound: Hand-on Musculoskeletal Ultrasound Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, New York.
- ACLS Recertification/American Heart Association, Queen of the Valley Medical Center
- 15th Napa Pain Conference with Neuromodulation
- International Spine Intervention Society, ISIS Radiofrequency Bio-Skills Lab
- International Spine Intervention Society, ISIS Clinical Anatomy and Imaging of the Spine

2009

- American Academy of Physical Medicine and Rehabilitation Annual Meeting
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting
- Ultrasound for Pain Medicine, Toronto Western Hospital, University of Toronto
- American College of Sports Medicine, 56th Annual Meeting, Seattle, WA
- University of California, San Francisco, 4th Annual Spine Symposium
- Association for Medical Ultrasound, Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, New York.
- Musculoskeletal Ultrasound Society Meeting, 19th Annual Conference, Barcelona, Spain.

2010

- Musculoskeletal Ultrasound Course, Departments of Physical Medicine and Rehabilitation and Sports Medicine, UC Davis Medical Center.
- University of California, San Francisco, 5th Annual Spine Symposium.
- Association for Medical Ultrasound, Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota.
- ACLS Recertification/American Heart Association, Queen of the Valley Medical Center
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting.
- American Academy of Physical Medicine and Rehabilitation Annual Meeting.

2011

- Association for Medical Ultrasound, Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota.
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting.
- American Academy of Physical Medicine and Rehabilitation Annual Meeting.
- Boston Scientific Spinal Cord Stimulation Cadaver Course, Valencia, California.
- Arthroscopy Association of North America, San Francisco, CA .

2012

- Association for Medical Ultrasound, Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota.
- TOBI (The Orthobiologic Institute) PRP Seminar, Los Angeles.
- American College of Sports Medicine Annual Meeting, San Francisco, California.
- Southern California Orthopedic Institute, Orthopedic Update, Napa, California.
- ACLS Recertification/American Heart Association, Queen of the Valley Medical Center.
- American Association of Neuromuscular & Electrodiagnostic Medicine, Annual Meeting.
- American Academy of Physical Medicine and Rehabilitation Advanced Lower Extremity. Musculoskeletal Ultrasound Course Faculty, Las Vegas, Nevada.

2013

- AAPMR Advanced Upper Extremity Ultrasound Course, Las Vegas, Nevada
- AAPMR Board Recertification Examination (Passed).
- University of California, San Francisco, 8th Annual Spine Symposium.
- TOBI (The Orthobiologic Institute) PRP Seminar, Los Angeles.
- Association for Medical Ultrasound, Hands-on Musculoskeletal Ultrasound: Diagnostic and Interventional Techniques, Mayo Clinic, Rochester, Minnesota.
- AAPMR Ultrasound for Spine and Pain, Tampa, FL.
- AAPMR Pain Subspecialty Board Recertification Examination (Passed).
- AANEM Annual Meeting, San Antonio.
- Ultra Minimally Invasive Surgery, Hospital Gregorio Maranon, Madrid, Spain.

2014

- Regenerative Medicine and Rehabilitation, UCSF and University of Pittsburgh, San Francisco
- Scaffolds in Regenerative Medicine and Biology, University of Pittsburgh, Napa, CA
- American Institute Ultrasound Medicine Annual Meeting, Las Vegas, Nevada
- TOBI (The Orthobiologic Institute) PRP Symposium, Las Vegas, Nevada
- ISURA Meeting, Toronto, Canada.
- American Institute of Ultrasound in Medicine, Hands-On Diagnostic and Interventional Musculoskeletal Ultrasound: A Problem Solving Approach. Mayo Clinic.
- American Society of Regional Anesthesia, San Francisco
- North American Spine Society – Lecture on Biologics for Disc.

2015

- Evidence Based Spine Interventions, ISIS, San Francisco, CA.
- UCSF Spine Conference, San Francisco.
- TOBI (The Orthobiologic Institute) PRP Symposium, Las Vegas, Nevada.
- Federation of European Societies for Surgery of the Hand (FESSH), Milano, Italy.
- UCSF Neurosurgery Update, Silverado Resort, Napa, CA.
- American Academy of Physical Medicine and Rehabilitation Annual Meeting, Boston, MA.

2016

- OSS Spine and Musculoskeletal Conference, Alta, Utah.
- North American Spine Society Evidence and Technology Summit, Park City, Utah.
- AIUM/Andrews Sports Medicine Institute Ultrasound Course, Gulf Breeze, Florida.
- ISURA Meeting, Toronto, Canada.
- UCSF Neurosurgery Update, Napa, CA.
- Napa Pain Conference, Napa, CA.
- AAPMR Annual Meeting, New Orleans, Louisiana.
- Sonex Health SX-One MicroKnife Cadaver Training Course, Rochester, MN.

2017

- Interventional Orthopedics Foundation, Denver, CO.
- American Medical Society for Sports Medicine, San Diego, CA
- California Society of Physical Medicine and Rehabilitation
- TOBI (The Orthobiologic Institute) PRP Symposium, Las Vegas, NV.
- UCSF Neurosurgery Update, Napa, CA.
- Spine Intervention Society, San Francisco, CA
- Napa Pain Conference, Napa, CA.
- AAPMR Annual Meeting, Denver, CO.

2018

- UCSF Spine Symposium, San Francisco, CA.
- TOBI (The Orthobiologic Institute) PRP Symposium, Las Vegas, NV.
- UCSF Neurosurgery Update, Napa, CA.
- Napa Pain Conference, Napa, CA.

2019

- International Cartilage Research Society Summit, San Diego, CA.
- California Society of Physical Medicine & Rehabilitation Annual Meeting, San Francisco, CA.
- UCSF Spine Symposium, San Francisco, CA.
- UCSF Neurosurgery Update, Sonoma, CA.
- Napa Pain Conference, Napa, CA.
- AANEM Annual Meeting, Austin, TX.
- AAPMR Annual Meeting, San Antonio, TX.

2020

- Interventional Orthopedics Foundation Annual Conference, Denver, CO.
- TOBI (The Orthobiologic Institute) Symposium, Virtual Conference.
- Orthobiologics Summit 2020: Science & Evidence Behind Biologics in Orthopaedics, Virtual.

2021

- UCSF Core Center for Musculoskeletal Biology and Medicine, “Crosstalk in Osteoarthritis: Within and Beyond the Joint,” Virtual Conference.
- Steadman-Philippon Research Institute 6th Annual Vail Scientific Summit, Vail, Colorado.
- 28th Annual Napa Pain Conference, Napa, CA. (Virtual)
- 2021 Musculoskeletal Performance Research Symposium, UCSF, San Francisco, Ca.
- 2021 Neurosurgery Resident Spine Lab (Cervical Spine), UCSF, San Francisco, Ca.

2022

- OSS Health 5th Biennial Image Guided Diagnosis & Treatment of Spine & Musculoskeletal conditions conference, Crested Butte, CO.
- Interventional Orthopedics Foundation Annual Conference, Denver, CO.
- 16th Annual UCSF Spine Symposium, San Francisco, CA.

- Peripheral Nerve Anatomy Day, UCSF, San Francisco
- Neurosurgery Resident Spine Lab, UCSF, San Francisco

2023

- Interventional Orthopedics Foundation Annual Conference, Phoenix, AZ.
- International Society of Ultrasound and Regional Anesthesia, Toronto, Canada.
- Japanese Orthopedic Ultrasound Association, Tokyo, Japan.

UNIVERSITY AND PUBLIC SERVICE

- Adjunct Assistant Professor, Touro University Osteopathic School (3/1/09).
- Voluntary Assistant Professor of Neurological Surgery, UCSF Medical School (1/1/10-present).
- Voluntary Assistant Professor of Physical Medicine and Rehabilitation, UC Davis (2011-2022).
- Speaker and Consultant: Post-Polio Support Group of Napa and Sonoma County; Spinal Cord Injury Support Group, Napa; Diabetes Support Group, Napa.
- Multiple community lectures/presentations as medical director of the Wellness Center in conjunction with invited speakers such as Robert Lustig MD (UCSF Pediatrics), Rafael Pelayo MD (Stanford Sleep Medicine), Roko Belic (Movie Director) (2008-present) and others.
- Visiting Professor of PMR, Rutgers New Jersey Medical School, 10/17/16.

TEACHING AND MENTORING

PREMEDICAL AND MEDICAL STUDENTS

Jun-Aug 2008-10	Tiffany Flossman UC Davis Pre-Med
February 2009	Shirley Datu, Touro University
March 2009	Tiffany Vock, Touro University
June 2010	Daniel Soetaert, Touro University.
April 2014	Brian Barnett, University of New England.
August 2014	Sarah Elaine Modlin, Touro University.
Sept 2015	David Kordic, University of Mostar, Bosnia-Herzegovina.
January 2016	Michael Dybala, Harvard College
January 2016	Alysa Zhang, Harvard College
Oct.-Nov. 2020	Sarah Pyle, UC Davis, PA Program
November 2020	Brian Laughlin, Pacific Union College
January 2021	Caitlin O'Malley, UC Davis, PA Program
May 2021	Andrew Wilson, UC Davis, PA Program
June 2021	Brenden Martin, UC Davis, Medical Student
June-August 2021	Ben Taubman, USC student
August 2021	Alejandro Alvarez-Bautista, UC Davis, PA Program
November 2021	Cody Dam, UC Davis, PA program
January 2022	Rachael McAfee, UC Davis, PA program
March 2022	Stephanie Yee, Pace University, New York, NY.
September 2022	Maya Tarasenko, Georgetown Medical School, Washington DC.
October 2022	Samuel Neufeld, UC Davis, PA program.
January 2023	Richard Colin Anderson, UC Davis, PA program.
June 2023	Noelle Terrero, UC Davis Medical Student.

RESIDENTS

Prutha Patel, MD, PMR, East Carolina University, November 2011.
 Brooke Bennis DO, PMR, Indiana University, May 2012.
 Kelly Williams, DO, PMR, Thomas Jefferson University, September 2012.
 Nate Swain, DO, PMR, UC Davis, September 2012.
 Renata Jarosz, DO, PMR, Stanford University, October 2012.

Adam Tenforde, MD, PMR, Stanford University, January 2013.
 Nick Brar, MD, PMR, Stanford, March 2013.
 Vanessa McGowan, DO, PMR, UC Davis, March and September 2013.
 Michael Burns, MD, PMR, Stanford University, April 2013.
 Salar Deldar, MD, PMR, Stanford University, April 2013.
 Henry Koh MD, PMR, Stanford University, May 2013.
 Scott Homer MD, PMR, UC Davis, February 2014.
 Naimish Baxi MD, PMR, Mike Furman Fellow, May 2014.
 Steve Derrington DO, PMR, Thomas Jefferson University, August 2014.
 Julia Carp, DO, PMR, William Beaumont Hospital, February 2015.
 William Goodson MD, PMR, University of Kansas, June 2015.
 Elise Adcock, MD, PMR, University of California, Irvine, March 2017.
 Revik Vartanian DO, PMR, University of California, Irvine, September 2017.
 Min Yoo, MD, PMR, University of California, Irvine, November 2017.
 Kevin Barrette MD, PMR, Stanford University, January 2018.
 Kevin Pelletier, MD, PMR, University of California, Irvine, January 2018.
 Alessandro Bragetti MD, PMR, University of California, Irvine, March 2018.
 Efrain Perez-Bravo, MD, PMR, Kingsbrook Jewish Hospital, Brooklyn, NY, March 2018.
 Lisa Valastro MD, PMR, Albany Medical Center, Albany, NY, May & November 2018.
 Christina Giacomazzi, DO, Stanford University, September 2018.
 Manoj Mohan, DO, Stanford University, November 2018.
 Sharlene Su, MD, Stanford University, December 2018.
 Lyndly Tamura, MD, Stanford University, January 2019.
 Gloria Hwang, MD, Albert Einstein, Montefiore Medical Center, NY, February 2019.
 Frank Nguyen, DO, Stanford University, June 2019.
 Elliot Chan, MD, University of California, Irvine, February 2020.
 Anthony Kenrick MD, Stanford University, February 2020.
 Nico Gularte DO, Casa Colina Hospital, May 2020.
 Jason Wei DO, Casa Colina Hospital, May 2020.
 Emily Miller MD, Stanford University, June 2020.
 Nadja Mencin MD, Stanford University, August 2020.
 Nathaniel Dusto MD, UC Irvine, August 2020.
 Sameera Aloczy MD, Albany Medical Center, October 2020.
 Sophie Scherl MD, Albany Medical Center, November 2020.
 Paul Chan MD, Temple University, February 2021.
 Anne Kuwabara MD, Stanford University, April 2021.
 Malia Cali MD, University of Colorado, Denver, May 2021.
 Ryan Hagens MD, University of Colorado, Denver, May 2021.
 Kelsey Albert DO, Albany Medical Center, May 2021.
 Kirk Bonner MD, Rutgers Medical Center, June 2021.
 Kirsten Weider DO, Carolinas Rehabilitation/Atrium Health Center, June 2021.
 Michelle Han-Lee MD, Stanford University, June 2021.
 Allen Degges MD, Louisiana State University, February 2022.
 William Summers MD, University of Colorado, Denver, April 2022.
 Balaji Sridhar MD, PhD, University of Colorado, Denver, April 2022.
 Emma Rickles MD, University of Colorado, Denver, May 2022.
 Jungwoo James Lieu DO, MA, Casa Colina Hospital, May 2022.

POSTDOCTORAL FELLOWS DIRECTLY SUPERVISED

2004-2005	Hsieu-Hsien Ling, M.D. – in solo PMR private practice in Los Angeles, CA.
2005-2006	Albert Retodo, M.D. – in orthopedic group private practice in Oakland, CA.
June 2006	John Leshner, M.D. – in neurosurgery group private practice in Charlotte, NC.
2006-2007	Stacey Harris-Carriman, M.D. – in solo PMR private practice, Richmond, CA.

2007-2008 Chung Lee, M.D. – in pain medicine private practice in Ormond Beach, FL
 2008-2009 Christopher Martin, M.D. – in orthopedic group practice in Oklahoma City, OK.
 2009-2010 Joshua Reimer, M.D. – with Kings Highway Orthopedics, Brooklyn, NY.
 2009-2010 Sean Colio M.D. – ACGME sports fellowship director at Swedish Hospital, Seattle, WA.
 March 2010 Ruby Kim M.D. – former fellow with Michael Furman MD, York, PA.
 March 2010 Simon Ryoo M.D. – former fellow in musculoskeletal radiology, SUNY, Syracuse.
 May 2010 Nate Donaldson, DO – former fellow at San Jose O’Connor sports medicine fellowship.
 2010-2011 Alison Ganong M.D. – with South Lake Tahoe Orthopedics, South Lake Tahoe, CA.
 2010-2011 Aral Sezginis M.D., M.H.A – in the PMR dept., US Army, Ft. Hood, TX.
 April 2011 Michael Kenji Yamazaki, M.D. – in PMR group practice, Honolulu, HI.
 2011-2012 Anupama Ganga M.D. – in practice with Dr. Richard Gracer, San Ramon, CA.
 2011-2012 E. Taylor Abel M.D. – former associate, currently at Kaiser South Sacramento, CA.
 April 2012 William Newell MD – former fellow with Frank Lagatutta MD, Santa Barbara, CA.
 April 2012 Michael Horner DO – EMG/MSK fellow with Michael Andary, MD, Michigan State U.
 June 2012 Max YC Hung MD – former fellow in functional neurosurgery, Taipei Veterans Hospital.
 Sept 2012 YT Chen MD – former fellow in sports medicine, Stanford University.
 2012-2013 Andrew Toy MD – currently with Kaiser Permanente, San Francisco.
 2012-2013 Christopher Bonzon MD, currently with SOAR, Redwood City, CA.
 2013-2014 Kelly E. Williams, DO – currently with Northeast Rehabilitation Associates, Scranton, PA.
 2013-2014 Renata Jarosz, DO – currently with San Mateo County Medical Center.
 May 2014 Naimish Baxi MD – former fellow with Mike Furman MD, York, PA.
 2014-2015 Vanessa McGowan MD- currently with Kaiser Permanente, South Sacramento.
 2014 Carri Allen Jones MD – currently with Remedy Medical Group, San Francisco, CA.
 March 2015 Antonio J. Forte MD – plastic and hand surgery fellow at the Buncke Clinic, San Francisco.
 March 2015 Michael McCrea MD- plastic and hand surgery fellow at the Buncke Clinic, San Francisco.
 Mar-Sep 2015 Jason Tucker MD – private practice, Orthobiologix, Charlotte, NC.
 June 2015 Brice Blatz DO - sports medicine private practice, Los Gatos CA.
 2015-2016 Steve Derrington, DO – in regenerative medicine practice, San Rafael, CA.
 2015-2016 Matt McAuliffe MD – at Spine Nevada, Reno, CA.
 Nov. 2015 Amir Tahaei MD – Michael Furman MD fellow.
 2016-2017 Naveed Natanzi DO, UC Irvine
 2016 Brooke Bennis DO – currently at Chiro Medical Group, San Francisco, CA.
 2017 Peter Michael MD, MBA, University of Miami.
 2017 Scott Homer MD –currently at Brigham and Women’s Hospital, Boston, MA.
 2017-18 David Suarez MD – currently at Chiro Medical group, San Francisco, CA.
 2017-18 Marc Raj DO – currently doing locum tenens.
 2017-18 Jameel Khan DO – currently at Kaiser Permanente, Long Beach, CA.
 2018-19 Matt Gnrke MD, from University of Colorado, Denver.
 2018-19 Zev Nevo DO, from Rutgers Medical Center, New Jersey.
 2018-19 Tracy Hoeg, MD, PhD, from UC Davis, Sacramento, California.
 Feb 2019 Michael Lersten MD, Interventional Spine Fellow, Stanford.
 Jun 2019 Vivek Babaria DO, OSS/Michael Furman Fellow, York, PA.
 Oct-Feb 2020 Michael Lersten MD, Interventional Spine Fellow, Stanford.
 2019-2020 Brian Barnett DO, University of Kentucky.
 2019-2020 Matt Oglesby MD, Montefiore Medical Center, New York.
 2019-2020 Kevin Pelletier MD, UC Irvine.
 2020-2021 Wes Miller DO, Louisiana State University
 2020-2021 Lisa Valastro DO, Albany Medical Center
 2020-2021 Kyle Stoffers MD, University of Colorado
 2021-2022 Nico Gularte DO, Casa Colina Hospital
 2021-2022 Sophie Scherl MD, Albany Medical Center
 2021-2022 Emily Olson MD, Stanford University
 2022-2023 Paul Chan MD, Temple University
 2022-2023 Kelsey Albert DO, Albany Medical Center
 2022-2023 Steven Sudekum, DO, Michigan State University

2022-2023 Alexandra Rukstelo DO, Michigan State University
 2023-2024 Christopher Ha, DO, Mayo Clinic

VISITING FACULTY

Richard Derby, M.D. – interventional spine specialist in Daly City, CA, 2005.
 Conor O’Neill, M.D. – interventional spine specialist in San Francisco, CA, 2008.
 Lee Wolfer, M.D. – interventional physiatrist, San Francisco, CA, 2008.
 Peter Cheng, M.D. – anesthesia pain specialist at Kaiser in Riverside, CA, 2008.
 Sang Hoon Lee, M.D. – interventional radiologist, Seoul, Korea, 2009.
 Joel Richnak M.D. – private practice PMR, Grass Valley, CA, 2010.
 Cindy Chang, M.D. – sports medicine/family practice, University of California, Berkeley, 2011.
 Michael Fredericson, M.D. – sports medicine/PMR/orthopedics, Stanford University, 2011.
 Jolie Holschen, M.D. – sports/emergency medicine, University of California, Berkeley, 2011.
 Jeff Nelson, M.D. – sports medicine/family practice, University of California, Berkeley, 2011.
 Casey Batten, M.D. – sports medicine/ family practice, University of California, Berkeley, 2011.
 Patrick Lin, M.D, PhD. – anesthesia pain, Taiwan and visiting fellow, Stanford University, 2011.
 Sean Lin, M.D. anesthesia pain, Taiwan and visiting fellow, Stanford University, 2011.
 Michael Kuo, M.D. – anesthesia pain, Taiwan, visiting fellow, Duke University, 2011.
 Yeong-Ray Wen M.D., PhD – anesthesia pain, China Medical University, Taichung, Taiwan, 2012.
 Marc Maskowitz MD – anesthesia pain, Sacramento, CA, 2013, 2014.
 Val Tarasenko MD – anesthesia pain, Vacaville, CA, 2013.
 Annu Navani MD – anesthesia pain, San Jose, CA, 2014
 Kristin Bowne PT – physical therapist, private practice in Scotts Valley, CA, 2014.
 Christine Lehman MD – private practice, Charlottesville, VA, 2014.
 Maya Katz MD – assistant professor of neurology at UCSF, 2015.
 Edward Goldberg MD – neurologist, private practice, Los Altos, CA, 2015.
 Greg Buncke MD – plastic and hand surgeon, San Francisco, CA 2015.
 Ramin Kordi MD – sports medicine physician, visiting Stanford from Tehran, Iran. 10/2015.
 Tyson Cobb MD – orthopedist and hand surgeon, Davenport, Iowa. 12/2015.
 Yaeko Fukushima MD PhD – orthopedic surgeon, visiting Stanford from Osaka, Japan. 10/2016.
 Stephen Roman MD – physiatrist, New Jersey, 5/2017.
 Robert Savala MD – anesthesia pain specialist, San Francisco, CA, 3/2021.
 Toru Omodani MD – orthopedic surgeon & researcher, Tokyo, Japan & University of Pittsburgh, 4/2022.

SUMMARY OF TEACHING HOURS

My practice has sponsored a fellowship since 2004, and it was approved under temporary criteria as an ACGME sports medicine fellowship from 2010-11 through 2013-14. Six fellows took the ACGME Sports Medicine Examination, all passing on the first attempt. Our practice took 2-3 interventional spine and sports medicine fellows per year, until the last fellow completed his fellowship in 2024.

Teaching at conferences and symposia averaged 50-70 hours per year, not including preparation time. Teaching of medical students, residents, fellows and visiting faculty at our practice was on the order of 1-2 hours per day or approximately 300 hours per year.

PUBLICATIONS

Bodor M, Murthy N, Uribe Y. Ultrasound-guided cervical facet joint injections. *Spine J.* 2022 Jan 31:S1529-9430(22)00022-5.

Bodor M, Uribe Y, Srikumaran U. Ultrasonic aspiration for vaccination-related shoulder dysfunction. *Heliyon.* 2021; 7(11)E08442.

Dregalla RC, Uribe Y, Bodor M. Effect of local anesthetics on platelet physiology and function. *J Orthop Res.* 2021; 1-11.

Dregalla RC, Uribe Y, Bodor M. Human mesenchymal stem cells respond differentially to platelet preparations and synthesize hyaluronic acid in nucleus pulposus extracellular matrix. *Spine J.* 2020 Nov;20(11):1850-1860. doi: 10.1016/j.spinee.2020.06.011. Epub 2020 Jun 19. PMID: 32565315.

Natanzi N, Hebroni F, Bodor M. Teres minor injury related to vaccine administration. *Radiology Case Reports.* 2020;15:552-555.

Bodor M, Dregalla R, Uribe Y. Leukocyte rich and poor platelet concentrates and tenocyte proliferation. *BMJ Open Sport Exerc Med.* 2017 Nov 20.

Podnar S, Omejec G, Bodor M. Nerve conduction velocity and cross-sectional area in ulnar neuropathy at the elbow. *Muscle Nerve.* 2017 Mar 27.

Colio S, McAuliffe M, Uribe Y, Bodor M. Regenerative Medicine for Muscle and Ligament Problems: Technical Aspects and Evidence. *Techniques in Regional Anesthesia and Pain Medicine*, 2015(19):80-84.

Bodor M, Uribe Y. Optimizing efficacy of botulinum toxin injections using ultrasound guidance. *Muscle Nerve.* 2016 Sep;54(3):513.

Bodor M, Rojo-Manaute JM, Podnar S. Reply re: Why do corticosteroid injections work for carpal tunnel syndrome but not ulnar neuropathy at the elbow. *Muscle Nerve.* 2016 Aug;54(2):344-5.

Krauss J, Nugent R, Bodor M, Fredericson M. Therapeutic efficacy of platelet rich plasma injections in treating chronic high hamstring tendinopathy. *Clin Med Rev Case Rep* 2016; 3:084

Aufiero D, Vincent H, Sampson S, Bodor M. Regenerative injection treatment in the spine: review and case series with platelet rich plasma. *J Stem Cells Res, Rev & Rep.* 2015; 2(1): 1019.

Bodor M, Jarosz R. Eccentric loading and upper limb muscle-bone asymmetries in elite tennis players. *Med Sci Sports Exerc.* 2015 Feb;47(2):446.

Bodor M, Williams K. Is nerve cross-sectional area related to height-squared? *Muscle Nerve.* 2014 Dec;50(6):1025-6.

Bodor M, McDonald CM. Why short stature is beneficial in Duchenne muscular dystrophy. *Muscle Nerve.* 2013 Sep;48(3):336-42.

Buncke G, McCormack B, Bodor M. Ultrasound-guided carpal tunnel release using the manos CTR system. *Microsurgery.* 2013 Feb 18.

Goldberg G, Bodor M: Electrosonodiagnosis: neuromuscular diagnosis raised to the power of 2. *PMR.* 2012 Jan;4(1):50-1

Bodor M and Fullerton B: Ultrasonography of the Hand, Wrist and Elbow. *Phys Med Rehabil Clin N Am.* 2010 Aug; 21(3):509-531.

Bodor M, Martin CR: Sex Differences in Quadriceps and Hamstring Activation and Needle Electromyography. *Medicine & Science in Sports & Exercise.* 2010 Feb; 42(2):409.

Bodor M, Flossman T: Ultrasound-guided First Annular Pulley Injection for Trigger Finger. *Journal of Ultrasound Medicine* 2009; 28:735-74.

Bodor M: Re: Kinematics and electromyography of landing preparation in vertical stop-jump: risks for noncontact anterior cruciate ligament injury. *Am J Sports Med.* 2008 Oct; 36(10).

Bodor M, Montalvo E: Vaccination related shoulder dysfunction, *Vaccine* 2007 Jan 8; 25(4):585-7.

Bodor M: Quadriceps protects the anterior cruciate ligament (response), *Journal of Orthopedic Research* 2002; 20/5: 1131-1132.

Bodor M: Muscle fatigue after immobilization, *Muscle & Nerve* 2002; 6:923-924.

Bodor M: Central neuronal fatigue in multiple sclerosis, *Journal of Applied Physiology*, 2001; 91/1: 528-9.

Bodor M: Quadriceps protects the anterior cruciate ligament, *Journal of Orthopedic Research* 2001; 19/4: 629-633.

Bodor M: Effects of isokinetic muscle activity on pressure in the supraspinatus muscle and shoulder torque, *Journal of Orthopedic Research* 2001; 19/2: 152.

Bodor M: Intramuscular metabolic responses to voluntary isometric exercise in multiple sclerosis are consistent with central neuronal fatigue, *Journal of Applied Physiology* 2000; 89/5: 2105-2106.

Bodor M: MRI and muscular adaptation, *Archives of Physical Medicine and Rehabilitation* 1999; 80:607.

Bodor M: Mechanomyographic and electromyographic muscle responses are related to power, *Muscle & Nerve* 1999; 5:649-650.

Bodor M: Acoustic and electrical activities during voluntary isometric contraction of biceps brachii muscles in patients with spastic cerebral palsy, *Muscle & Nerve* 1997; 6:764.

BOOKS

Associate Editor. Atlas of Interventional Orthopedic Procedures. Williams CJ, Sussman WI, Pitts J., Centeno C, Malanga G, Mautner K, Desai R, Buford D, Markle J, Bodor M. New York: Elsevier, 2023.

BOOK CHAPTERS AND NON-PEER REVIEWED PUBLICATIONS (includes prior to 2012)

Elbaridi N, Bishop V, Landrum O, Bodor M, Pitts J. Advanced and emerging interventional techniques. In: Williams CJ, Sussman WI, Pitts J. Atlas of Interventional Orthopedic Procedures. New York: Elsevier, 2023.

Bodor M, Derrington S, Pitts J, Markle J, Landrum O. Thoracic Injection Techniques. In: Williams CJ, Sussman WI, Pitts J. Atlas of Interventional Orthopedic Procedures. New York: Elsevier, 2023.

Bodor M, Derrington S, Pitts J, Markle J, Atluri S, Boddu N, Manocha V. Cervical Injection Techniques. In: Williams CJ, Sussman WI, Pitts J. Atlas of Interventional Orthopedic Procedures. New York: Elsevier, 2023.

Bodor, M, Colio S, Khan J, Raj M. Ultrasound-guided Elbow Injections. In: Peng P, editor. Ultrasound for Interventional Pain Management – An Illustrated Procedural Guide. New York: Springer Publishing Company, 2019.

Bodor M, Dregalla R, Uribe Y: PRP: History, Mechanism of Action, Preparation and Clinical Applications. In: Manchikanti L and Navani A. Essentials of Regenerative Medicine in Interventional Pain Management, 2019.

Colio S, Bodor M, Dregalla R: Amniotic and Umbilical Cord Products, Alpha-2 Macroglobulin, and Interleukin-1 Receptor Antagonist Protein. In: Malanga G, editor. Regenerative Treatments in Sports and Orthopedic Medicine. New York: Springer Publishing Company, 2018.

Torres L, Weber NH, Bodor M, Kirschner JS, Lin PS and Furman M: Ultrasound Techniques and Procedural Pearls. In: Furman, M, editor. Atlas of Image-guided Spinal Procedures. 2nd Edition. Philadelphia: Elsevier, 2018.

Bodor M, Colio S, Bonzon C: Ultrasound-guided Hand, Wrist and Elbow Injections. In: Narouze, S, editor. Multi-modality Image-guided Procedures in Interventional Pain Management. Oxford: Oxford University Press, 2017.

Bodor M, Colio S, Toy A: Ultrasound-guided Foot and Ankle Injections. In: Narouze, S, editor. Multi-modality Image-guided Procedures in Interventional Pain Management. Oxford: Oxford University Press, 2017.

Bodor M, Leshner JM: Ultrasound-guided Greater Trochanteric Bursa and Gluteal Tendon Injections. In: Malanga G and Mautner K. Atlas of Ultrasound-guided Musculoskeletal Injections. New York: McGraw-Hill, 2014.

Bodor M, Colio S: Ultrasound-guided Aspiration of a Hip Paralabral Cyst. In: Malanga G and Mautner K. Atlas of Ultrasound-guided Musculoskeletal Injections. New York: McGraw-Hill, 2014.

Bodor M, Toy A, Aufiero D: Disc Regeneration with Growth Factors. In: Lana, JF, editor. Platelet Rich Plasma. Berlin: Springer Verlag, 2014.

Bodor M, Leshner JM, Colio S: Ultrasound-guided Hand, Wrist and Elbow Injections. In: Narouze, S, editor. Atlas of Ultrasound Guided Procedures for Pain Management. 1st edition. New York: Springer Science+Business Media; 2011.

Bodor M: Differential Diagnosis and Imaging of Shoulder Disorders. In Shoulder Disorders, American Association of Neuromuscular and Electrodiagnostic Medicine Course Symposia, September 2011.

Bodor M: Shoulder Pathokinesiology and Rehabilitation. In: Shoulder Pain, American Association of Electrodiagnostic Medicine Course Symposia, November 2004.

PEER-REVIEWED POSTER PRESENTATIONS AND ABSTRACTS

American Academy of Physical Medicine & Rehabilitation Annual Assembly, Orlando, Florida, 10/2018: Raj M, Khan J, Suarez D, Bodor M. "Full Thickness Anterior Cruciate Ligament Repair with Autologous Stem Cells."

Association of Academic Physiatrists Annual Meeting, Chicago, Illinois, 2/2009: Ganga C, Cole J L, Bodor M, "It's the Nerves: A case series of Neurological causes for Pelvic Pain Syndromes in Men."

American Academy of Physical Medicine and Rehabilitation, San Diego, California, 11/2008: Lee TC, Bodor M, "Numbness in the Hand and Arm Related to Shoulder Dysfunction: A Case Series."

American Academy of Physical Medicine and Rehabilitation Annual Meeting, Boston, Massachusetts
9/2007: Bodor M, Harris-Carriman S, “Electrosonodiagnosis of Post-transposition Ulnar Neuropathy.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting, Honolulu, Hawaii,
11/2006: Retodo A, Bodor M, “An unusual case of medial hand paresthesias secondary to benign axillary
tumor diagnosed via ultrasound in addition to standard EMG and NCS.”

American Academy of Physical Medicine and Rehabilitation Annual Meeting, Honolulu, Hawaii,
11/2006: Retodo A, Bodor M, “Ultrasound-guided A1 Pulley Injection for Trigger Finger.”

Musculoskeletal Ultrasound Society (MUSOC) Meeting, Bologna, Italy, 2004: “Median and Ulnar Nerve
Gigantism.”

RESEARCH PROGRAM

Please refer to our research website: www.bodorfoundation.org

Our current projects include:

- 1) Ultrasound-guided carpal tunnel release: one-year outcomes in 113 patients
- 2) Facilitation of regeneration of completely ruptured ACL in adults and children via ultrasound-guided bone marrow aspirate concentrate (BMAC) injection.
- 3) Mechanism of disease and exercise treatment of calcaneal apophysitis in children.
- 4) Mechanism of disease in Duchenne Muscular Dystrophy.
- 5) Mechanism of disease and treatment of SIRVA (shoulder injury related to vaccine administration).