

Curriculum Vitae  
**Fred DeFrancesch, M.D.**  
NEUROMUSCULAR MEDICAL ASSOCIATES  
INTERVENTIONAL SPINE SPECIALISTS

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**EDUCATION**

Loyola University in New Orleans, Louisiana B.S. with Honors in Biology- Magna Cum Laude; May 1987 to May 1991

Medical School, Louisiana State University Medical Center in New Orleans, Louisiana; August 1991 to May 1995

**POST GRADUATE TRAINING**

Combined Residency; Internal Medicine and Physical Medicine and Rehabilitation, Department of Medicine, section of Physical Medicine and Rehabilitation at Louisiana State University Medical Center- New Orleans, Louisiana from July 1995 to June 2000

Chief Resident; Department of Medicine, Section of Physical Medicine and Rehabilitation, Louisiana State University Medical Center - New Orleans, Louisiana from July 1999 to June 2000

Internship: Department of Medicine, Physical Medicine & Rehabilitation – LSU Division – New Orleans, Louisiana from July 1, 1993 to June 30, 1996

Charity Hospital and V.A. Anesthesia Pain Clinics

Charity Hospital in New Orleans, Louisiana; 1996 Accident Room, MER, and Fast Track; West Admit Resident in MER in 1997

Critical Care; Charity MICU for 2 months December 1996 and October 1996; University ICU on-call coverage from July 1996 to June 1999

Leonard J Chabert ICU coverage in Houma, La from July 1999 to July 2000

**MEDICAL LICENSE / BOARD CERTIFICATIONS**

- Medical License in State Of Louisiana 1995
- American Board of Internal Medicine 2000
- American Board of Physical Medicine & Rehabilitation 07/01/2001
- American Board of Physical Medicine & Rehabilitation
  - Subspecialty of Spinal Cord Injury Medicine 12/01/2004
- American Board of Pain Medicine
  - Board Certified of Pain Medicine 04/18/2005
- National Board Physicians and Surgeons 12/30/2024 to 12/31/2026
  - Board Certified in Physical Medicine & Rehabilitation
  - Board Certified in Spinal Cord Injury
  - Board Certified in Internal Medicine

**HONORS**

- Interventional Pain and Spine Intervention Society 2025 Instructor of the Year –
- Editorial Board for Interventional Pain Medicine
  - Associate Editor, Spine Section for the Journal Interventional Pain Medicine
- Peer Reviewer for Pain Practice
- Peer Reviewer for Physical Medicine & Rehabilitation
- Peer Reviewer for Pain Medicine 2013- Present
- Spine Intervention Society, Accreditation in the appraisal of Evidence in Studies of Diagnostic Tests and Strategies (EBM I and EBM II)
- Award for Presentation of Intradermal Gm-CSF and Wound Healing, from the Department of Internal Medicine
- Award for Presentation of A Retrospective Analysis of Second Line Therapy in Rheumatoid Arthritis at Southern Section of the American Federation of Clinical Research
- Medical School; Elected of Organization of Student Representatives, 1991-1995, as Student Representative for Louisiana State University Medical School, New Orleans
- Contributing editor to Rehab Review; July 1995 to April 1997
- To the American Association of Medical Colleges
- Loyola University: Magna Cum Laude, Honors, Ignatius Scholarship

**HOSPITAL AFFILIATIONS / WORK HISTORY**

- 10/01/2024 – 12/31/25 Active Medical Staff Appointment – University Healthcare System (UHS) Section PM&R Includes:
  - East Jefferson General Hospital
  - Lakeside Hospital
  - Lakeview Hospital
  - Tulane Emergency Care Downtown
- 04/23/2024 – 04/22/2026 Active Medical Staff Position – Orthopedic Surgery Center – Baton Rouge, Louisiana
- 06/07/2011 to present Active Medical Staff Position – Southlake Surgi-Center – LaPlace, Louisiana
- 08/10/2001 to present Active Medical Staff position at St. James Parish Hospital in Lusher, Louisiana
- 2022 – Present – Private Practice; Interventional Spine Specialist in Baton Rouge opened
- 2015 – Present – Sole Proprietor of Interventional Spine Specialists. Moved office to Metairie in 2019.
- 2007 – 2015 Private Practice. Partnered with Dr. Charles N. Aprill. Interventional Spine Specialists.
- 2003 – Present – Private Practice. Neuromuscular Medical Associates in Hammond opened.
- 2000 - 2021. Private Practice; Neuromuscular Medical Associates in LaPlace opened. (Currently closed due to Hurricane Ida)

- 02/06/15 to 11/19/21 Medical staff position at Ochsner Medical Center in Kenner, Louisiana
- 2010 – 2013 - Program Director and Founder of Pain Fellowship with focus on interventional spinal procedures as well as medical management NeuroMuscular Medical Associates & Interventional Spine Specialists..
- June 2007 to December 2007 - Medical Director at Southeast War Veterans Home in Reserve, Louisiana;
- 2003-2015 Medical Staff position at Cypress Pointe Surgical Hospital in Hammond, Louisiana
- September 2005 to October 2010 - Staff position at St Luke’s SurgiCenter in Hammond, Louisiana
- October 2003 to 2011 - Clinical Assistant Professor; Department of Medicine at Tulane University Health Sciences Center, New Orleans, Louisiana
- November 2000 to 2007 - Clinical Assistant Professor; Department of Medicine, Section of Physical Medicine and Rehabilitation; LSU School of Medicine, New Orleans, Louisiana
- June 2000 to May 2007 - Medical staff position in Physical Medicine and Rehabilitation at Veterans Administration Hospital in New Orleans, Louisiana
- February 1997 to June 1997 - Staff position at Hood Memorial Emergency Department in Amite, Louisiana
- March 1997 to June 2000 - Staff Emergency Room physician with 3500 hours at Chabert Medical Center in Houma Louisiana

### **MEMBERSHIPS**

- Health Advisory Board Committee Member, St. John the Baptist Parish. 2015-2017
- American Society of Interventional Pain Physicians (ASIPP)
- American Board of Physical Medicine and Rehabilitation (ABPMR)
- American Academy of Physical Medicine and Rehabilitation (AAPMR)
- Louisiana State Medical Society/River Parishes Medical Society
- International Pain and Spine Intervention Society (IPSI)
  - *Education Division 2013-present*
  - *Guidelines Committee 2025*
  - *Instructor Development Committee 2025-present*
  - *Master Bio-skills Instructor*
  - *Member of the Board of Directors 2021 - 2022*
  - *Standards Division Member 2018-present*
  - *Editorial Board – Interventional Pain Medicine*
  - *Previous Committee Assignments*
    - *Instructor Development Committee 2013-2021*
    - *Annual Meeting Program Committee Member 2022 Program*
    - *Instructor Development Committee, Chair 2022*
    - *Fund Raising Committee, Chair 2022 - 2023*
    - *Evidence Analysis Committee 2013-2018*
    - *Patient Safety Committee 2013-2016*
    - *Fund Raising Committee, 2017 - 2021*
- American Academy of Pain Medicine (AAPM)

- The Royal Society of Medicine (RSM)
- North American Spine Society (NASS)
- 2023- Present - Director NASS-recognized Interventional Spine and Musculoskeletal Medicine Fellowship

### **PUBLICATIONS**

- Nagpal A, **DeFrancesch F**, Matinez K, Rappard G, Kreiner DS, Gill JS, Vorobeychik Y. on behalf of the International Pain and Spine Society. Safety practices for interventional pain procedures: Disc access/ provocation discography, vertebral augmentation, and neurostimulation procedures. *Interventional Pain Medicine*. Jul 12:4(3).
- Lobel SM, **DeFrancesch F**. **General Procedural Requirements**. In: Maus TP, Cohen I, McCormick ZL, Schneider BJ, Smith CC, Stojanovic MP, Waring PH (Eds). *Technical Manual and Atlas of Interventional Pain and Spine Procedures, Volume 1: Fundamentals*. International Pain and Spine Intervention Society; 2024:13-15.
- Vu T, Doan LV, Gonzalez Cota A, DeFrancesch F, Waring PH, McCormick ZL, McKenna MJ. **Procedural Sedation**. In: Maus TP, Cohen I, McCormick ZL, Schneider BJ, Smith CC, Stojanovic MP, Waring PH (Eds). *Technical Manual and Atlas of Interventional Pain and Spine Procedures, Volume 1: Fundamentals*. International Pain and Spine Intervention Society; 2024:77-80.
- Travnicsek KD, Bainbridge JS, **DeFrancesch F**, Frazier Jr ML, Rappard G, Waring PH, Cohen I. **Cervical Disc Access/Provocation Discography**. In: Maus TP, Cohen I, McCormick ZL, Schneider BJ, Smith CC, Stojanovic MP, Waring PH (Eds). *Technical Manual and Atlas of Interventional Pain and Spine Procedures, Volume 4: Disc, Sacroiliac, and Vertebral Body Procedures*. International Pain and Spine Intervention Society; 2024:15-27.
- Rappard G, Bainbridge JS, **DeFrancesch F**, Frazier Jr ML, Waring PH, Cohen I. **Thoracic Disc Access/Provocation Discography**. In: Maus TP, Cohen I, McCormick ZL, Schneider BJ, Smith CC, Stojanovic MP, Waring PH (Eds). *Technical Manual and Atlas of Interventional Pain and Spine Procedures, Volume 4: Disc, Sacroiliac, and Vertebral Body Procedures*. International Pain and Spine Intervention Society; 2024:44-54.
- Bainbridge JS, **DeFrancesch F**, Frazier Jr ML, Hunt C, McKenna MJ, Waring PH, Cohen I. **Lumbar Disc Access/Provocation Discography**. In: Maus TP, Cohen I, McCormick ZL, Schneider BJ, Smith CC, Stojanovic MP, Waring PH (Eds). *Technical Manual and Atlas of Interventional Pain and Spine Procedures, Volume 4: Disc, Sacroiliac, and Vertebral Body Procedures*. International Pain and Spine Intervention Society; 2024:66-79.
- **DeFranceschF**, SperryBP, AprillCN, Choed, McCormickZL. **Prevalence and Discordance of the “Startle Response” with True Discogenic Pain According to Spine Intervention Society Guidelines for Provocation Discography: A Cohort Study**. *Pain Medicine* 2020, 1-5.
- SmithC, **DefranceschF**, PatelJ, on behalf of the Spine Intervention Society’s Patient Safety Committee; **Radiofrequency Neurotomy for Facet Joint Pain in Patients with Permanent Pacemakers and Defibrillators**. *Pain Med*.2019.Feb 1; 20(2):411-412
- PatelJ, **DeFranceschF**, SmithC; on behalf of the Spine Intervention Society’s Patient

Safety Committee; **Spinal Cord Stimulation Patients with Permanent Pacemakers and DeFibrillators.** *Pain Medicine.* 2018 Aug1:19(8): 1693-1694.

- McCormickZL, **DeFranceschF**, LoombaV, MoradianM, BathinaR, RappardG. On behalf of the Standards Division of the Spine Intervention Society; Prospective and Commentary. **Commentary. Diagnostic Value, Prognostic Value and Safety of Provocation Discography.** *Pain Med* 2018 Vol 19(1); 3-8.
- **DeFranceschF**, O'BrienD, SmithC, on behalf of the Spine Intervention Society's Patient Safety Committee; **Anesthetic Test Dose and Seizure Risk with Cervical Transforaminal Epidural Steroid Injection.** *Pain Med Clinical Perspectives. Fact Finders* 2018 19(1) 202-203
- SiddiquiFH, BiundoJJ, MooreC, ErmitanoML, OrtigasAP, **DeFranceschF. Recombinant granulocyte macrophage colony stimulating factor (rhu-GM-CSF) in the Treatment of extensive leg ulcers; a case report.** *Surgery.* 2000. Vol 127 Pp 589-92
- **DeFranceschF**, DileoL, MartinezJ. **Heterotopic Pregnancy: Discovering of Ectopic Pregnancy after Elective Abortion.** *Southern Medical Journal* 1999. Vol 92(3) Pp 330-333.
- HauberDP, WhiteDA, PowersSP, **DeFranceschFR.** Isozyme variation and correspondence with unusual infrared reflectance patterns on *Phragmites australis* (Poaceae), *Plant. Systematics and Evolution.* 1991. Vol 178 Pp 1-8.

### PRESENTATIONS

- Depomed Nucynta Speaker Program 2013 – March 2018
- Participant in the NeP Advisory Board Meeting, May 22, 2012 at Pfizer Headquarters in New York City, NY
- Speaker Bureau, Janssen 2012
- Speaker Bureau, Pricara, division of Johnson & Johnson, 2011
- Speaker Bureau, Forest Labs 2011
- Speaker Bureau Endo Pharmacy 2012
- Topical use of GM-CSF in patients with diabetic foot ulcers; a randomized, double-blind, placebo-controlled study; LSU Dept. of Internal Medicine Research Day-2000
- Intradermal Gm-CSF and wound healing, Department of Internal Medicine Research Day
- Intradermal Gm-CSF in the Treatment of Diabetic Foot Ulcers, A Prospective Study Research Day Section of Physical Medicine and Rehabilitation
- A retrospective analysis of Second Line Therapy in Rheumatoid Arthritis presented
  - \* January 16, 1997 to Louisiana Chapter of the America College of Physicians
  - \* February 5, 1997 to Southern Section of the American Federation of Clinical Research;
  - \* March 14, 1997 invitation for presentation at American College of Physicians Regional Meeting

### ONLINE EDUCATIONAL PRESENTATIONS

- IPSIS Online Learning – Provocation Discography / Safety Practices Article
- IPSIS Ask the Experts Webinar & Podcast – Episode 12: Controversies in Interventional Spine Procedures – February 19, 2025

**PRESENTATIONS / CONTINUING MEDICAL EDUCATION**

- April 24-27, 2026 / IPSIS European Congress in Budapest / Budapest, Hungary
  - \* Instructor
- March 27, 28, 2026 / IPSIS Radiofrequency Bio-Skills Lab / Amsterdam, the Netherlands
  - \* Course Director
- March 14-15, 2026 / IPSIS Cervical Bio-Skills Lab / Sydney, Australia
  - \* Instructor
- January 10-11, 2026 / IPSIS Comprehensive Bio-Skills Lab / Long Beach California
  - \* Instructor
- September 10 – 13, 2025 / The IPSIS Annual Meeting / Denver, Colorado
  - \* Awarded Instructor of the Year
- September 2-5, 2025 / Pain Week / Partners for Advancing Clinical Education and Informa Connect / Redefining the Future of Pain Medicine: integrating Innovation, Resilience, and Care / The Cosmopolitan of Las Vegas
  - \* Attendee
- April 25-26, 2025 / International Pain and Spine Intervention Society / Comprehensive Bio-Skills Lab: Individualized Instruction - Nashville, TN
  - \* Instructor
- April 4-6, 2025 / American Academy of Pain Physicians / Annual Meeting / Austin, TX
  - \* Attendee
- March 15-16, 2025 / International Pain and Spine Intervention Society / Advanced Lumbar Bio-Skills Lab / Amsterdam, the Netherlands
  - \* Course Director
  - \* Instructor
  - \* Lecture: Therapeutic Disc Interventions: Literature Update and Case Presentations
- March 14, 2025 / International Pain and Spine Intervention Society / Instructors Academy / Amsterdam, the Netherlands
  - \* Instructor
- September 25-27, 2024/ North American Spine Society Annual Meeting / McCormick Place West Building, Chicago, IL
  - \* Interventional Spine & Musculoskeletal Medicine: An Advanced Bio-Skills Lab for Fellows Invited as faculty to provide didactic instruction and hands-on lab-based training. Topics included: the role of radiofrequency, Kyphoplasty, vertebral augmentation options, neuromodulation including spinal cord stimulation

- September 11-14, 2024/ the International Pain and Spine Intervention Society 2024 Annual Meeting / Boston, MA
  - \* Attendee
- August 10-11, 2024 / the International Pain and Spine Intervention Society / Comprehensive Bio-Skills Lab Individualized Instruction / Aurora, CO / Course Director
  - \* Lab rotations providing quality hands-on training on Cervical, Thoracic, Lumbar C1-C2 Atlanto-Axial joint, SI joint injections
- May 18-19, 2024 / the International Pain and Spine Intervention Society / 2024 European Congress / Lisbon Portugal
- May 16-18, 2024 / the International Pain and Spine Intervention Society / Cervical Hands-On Lab / Lisbon Portugal
- May 11-12, 2024 / the International Pain and Spine Intervention Society / Lumbar Bio-Skills / Madrid, Spain
- April 19-20, 2024 / the International Pain & Spine Interventional Society / Cervical Bio-Skills Lab – New Orleans, LA
  - \* Instructor
- March 16-17, 2024 / the International Pain and Spine Intervention Society (IPSIS formerly SIS and ISIS) / Advanced Lumbar and Lumbar Disc Access / Amsterdam the Netherlands
  - \* Course Director
  - \* Instructor
  - \* Lecture: Therapeutic Disc Interventions: Literature Update and Case Presentations
- February 3, 2024 / Relevant Medsystems, Inc. Certification of Physician Training / St. Louis, MO
  - \* Incept Procedure Training didactic presentations - attendee
  - \* Hands-On simulator lab – Attendee
- October 14-15, 2023 / the International Pain and Spine Intervention Society Lumbar Bio-Skills Lab / Nashville, TN
  - \* Course Director
- September 20-23, 2023 / the International Pain and Spine Intervention Society 2023 Annual Meeting / Chicago, IL
  - \* Outstanding Volunteer Award Recipient
- June 24-25, 2023 / SIS Cervical Bio-Skills Lab / Portland, Oregon
  - \* Lecture: Spinal Imaging
  - \* Instructor of Cervical Procedures
- June 1-4, 2023 / SIS European Congress, Dubrovnik, Croatia
  - \* Attendee

- May 1-5, 2023 / Joint meeting bringing together several spine society at the same time. Melbourne, Australia
  - \* Attendee
  - \* Poster Presentation Spine Intervention Society: Prevalence and discordance of the “startle response” with true discogenic pain according to Spine Intervention Society guidelines for provocation discography: a cohort study.
  
- February 23-25, 2023 / Spine Intervention Society /Winter Seminar / Montego Bay, Jamaica / Speaker
  - \* Foraminal Location to Decrease ESI Risk
  - \* Pro/Con Debate - 1 or 2 Medial Branch Blocks Before RFN
  
- January 15, 2023 / Spine Intervention Society / Instructors Academy /Russell C. Klein Center for Advanced Practice, LSU School of Medicine, Lions Building / New Orleans, LA / Course Director and Speaker
  - \* How to be an Effective Teacher
  - \* C-Arm Demonstration and Needlecraft Review
  
- January 14, 2023 / Spine Intervention Society / Disc Access Bio-Skills Lab / Russell C. Klein Center for Advanced Practice, LSU School of Medicine, Lions Building / New Orleans, LA / Speaker and Instructor
  - \* Case Presentations
  
- November 5-6, 2022 / Spine Intervention Society / New Orleans, LA / Cervical Bio-Skills Lab / Course Director
  
- October 12-15, 2022 / The North American Spine Society 2022 Annual Meeting / Chicago, IL – Attendee
  
- September 14-17, 2022 / The Spine Intervention Society 2022 Annual Meeting — *Foundations and Frontiers in Interventional Pain* / Vancouver, Canada / Moderator and Speaker
  - \* Session Moderator: Disc Pain Vs. Vertebrogenic Pain
  - \* Systematic Review: Cervical Discography
  
- July 16-17, 2022 / Spine Intervention Society Comprehensive Bio-Skills Lab, Long Beach, CA / Individualized Instruction / Course Director
  
- June 10-11, 2022 / Spine Intervention Society Intensive Anatomy and Hands-on Fluoroscopic Correlation / University of New England Medical College, Biddeford Campus / Biddeford, Maine. / Instructor
  
- April 23-24, 2022 / Spine Intervention Society Cervical Bio-Skills Lab / Phoenix, Arizona / Speaker and Instructor
  - \* Pro/Con Debate: Cervical Transforaminal Versus Interlaminar
  
- April 9-10, 2022 / SIS 2022 European Congress / Amsterdam, the Netherlands / Attendee

- March 10-12, 2022 / Spine Intervention Society / Winter Seminar / Maui, HI / Moderator and Speaker
  - \* Session Moderator: Anticoagulation – New Data /
  - \* Disc Access Long and Short Term Risks
- August 21-22, 2021 / Spine Intervention Society / Neurostimulation Bio-Skills Lab / Washington, DC / Speaker and Instructor
  - \* Patient Selection: Psychologic Evaluation, confounding Medical Conditions
- August 18-21, 2021 / Spine Intervention Society / Innovations in Interventional Pain / Washington, DC / Moderator & Speaker
  - \* Charles N. Aprill, M.D. Tribute
- July 10-11, 2021 / Spine Intervention Society / Comprehensive Bio-Skills Lab: Individual Instruction for Skill Set Development / Aurora, CO / Instructor
- June 24-26, 2021 / ASIPP Annual Meeting / New Orleans, LA / Attendee
- June 3-4, 2021 / International Association of Rehabilitation Professionals, Louisiana / It's a Brave New World / Online via Zoom / Invited Speaker
  - \* Questions and Answers with Fred DeFrancesch, M.D.
- October 24, 2020 / Spine Intervention Society / Mentor Hands-On Lumbar Bio Skills Lab / Metairie, LA / Course Director
- August 09, 2020 / Spine Intervention Society / the Virtual Meeting (Annual Meeting) / 2020, August 7-9, 2020.
  - \* Co-moderator SIS/NANS Collaborative Session: Neurostimulation
- *May 23-24, 2020 - Spine Intervention Society European Congress / Best Practices in Spine Care / Dubrovnik, Croatia- CANCELLED DUE TO COVID 19*
  - \* *Presenter Session: Other Approaches to Chronic Low Back Pain. Emerging Technologies*
- *May 2-3, 2020 – Spine Intervention Society / Lumbar Bio-Skills Lab / Melbourne, Australia - CANCELLED DUE TO COVID 19*
  - \* *Instructor*
- *April 27-May 1, 2020 – Medicongress Organizer / SpineWeek / Melbourne, Australia - CANCELLED DUE TO COVID 19*
  - \* *Invited to Present Poster - Prevalence of the "Startle Response" during Cervical Provocation Discography: Implications for Diagnostic Value and Reducing Unnecessary Cervical Fusions*
- February 16-17, 2020 – Spine Intervention Society / Winter Seminar / Salt Lake City, UT / Attendee
- November 24, 2019 – Superion Physician Bio-Skills Training – Vertiflex Superion / National Bio-Skills Lab Dallas, TX

- November 14, 2019 – PainTEQ Comprehensive Bio-Skills Training of LIN1 SI Joint Fusion
- November 08-10, 2019 – Spine Intervention Society / SIS Cervical Bio-Skills Lab / New Orleans, LA / Speaker and Instructor
  - \* C3-6 and C7 Medial Brank Block; Third Occipital Nerve Block
- October 12-14, 2019 – Spine Intervention Society / SIS Advanced Lumbar Bio-Skills Lab / Amsterdam the Netherlands / Attendee
- September 14-15, 2019 – Spine Intervention Society / Comprehensive Bio-Skills Lab: Individualized Instruction / Bethlehem, PA / Instructor
- August 14-17, 2019 – Spine Intervention Society / 2019 Annual Meeting /From Molecules to Medicine: Emerging Spine Care / New York City, NY / Speaker
  - SIS Fundraising Committee Update
- May 25-26 2019 – Spine Intervention Society / 2019 European Congress – Munich, Germany / Attendee
- February 15, 2019 – Spine Intervention Society / 2019 Winter Seminar – Tucson, Arizona / Attendee.
- February 14, 2019 – American College of Foot and Ankle Surgery –Ernest N. Morial Conventional Center, New Orleans, LA – Section Pain Management – Social Crisis Lectures included:
  - \* Opioid Management: Rules and Regulations in Today’s Opioid Epidemic
  - \* Alternatives to Opioid Pain Management
  - \* Pharmaco Genetics
- January 12-13, 2019 – Spine Intervention Society / Disc Access Bio-Skills Lab – Long Beach, California – Course Director and Speaker
  - \* Risk and Complications
  - \* Discography Case Presentations
- November 3-4, 2018 Spine Intervention Society / Imaging Anatomy for the Spine Interventionalist / San Francisco, CA / Attendee
- August 15-18, 2018 Spine Intervention Society / 24<sup>th</sup> Annual Meeting, Chicago, IL / Course Director & Session Moderator
  - \* Discography Past, Present and Future
- July 21-22, 2018 Spine Interventional Society / Comprehensive Bio-Skills Lab / Long Beach, CA / Instructor
- April 13-15, 2018 Spine Intervention Society / Cervical Bio-Skills Lab / New Orleans, LA / Moderator and Course Director
  - \* Pro/Con Debate – Cervical Transforaminal vs. Interlaminar

- January 12-14, 2018 Spine Intervention Society / Radiofrequency Bio-Skills Lab / Phoenix Arizona / Speaker and Instructor
  - \* Billing & Coding
  - \* Case Presentations
- August 18-20, 2017 Spine Intervention Society / Advanced Cervical Bio-Skills: Cervicogenic Headache Techniques for Diagnosis & Management / Aurora, CO / Speaker and Instructor
  - \* C2/3 Facet Joint: Intra-articular Access, TON and RF
- July 19, 2017 – Spine Intervention Society / Neurostimulation bio-Skills Lab / San Francisco, CA / Speaker and Instructor
  - \* How to Trial Patients and Evaluation of Trial Results
- July 19-22, 2017 Spine Intervention Society / 25<sup>th</sup> Annual Meeting / San Francisco, CA / Speaker
  - \* FactFinders Presents: Acceptable Blood Pressure Prior to Procedure.
- June 23-25, 2017 Spine Intervention Society / Radiofrequency Bio-Skills Lab / Memphis, TN / Course Director
- March 10-12, 2017 Spine Interventional Society / Advanced Lumbar Bio-Skills Lab / Tampa, Florida / Speaker and Instructor
  - \* Introduction to Radiofrequency
- January 27-29, 2017 / Spine Intervention Society / 2017 Evidence Based Spine Interventions Seminar / Palm Springs, CA / Attendee
- October 21, 2016 Spine Intervention Society / 2016 European Congress History and Physical Examination for the Interventional Pain Physician / Lisbon, Portugal / Instructor
- September 23-25, 2016 Spine Intervention Society / Cervical Procedures Bio-Skills Lab / Tampa, FL / Speaker and Instructor
  - \* Cervical Interlaminar
  - \* Risk Mitigation
  - \* Billing & coding
- July 27-30, 2016 Spine Intervention Society 24<sup>th</sup> Annual Scientific Meeting / New Orleans, LA / Navigating the Changing Landscape in Spine Care. Moderator and Speaker
  - \* Guidelines in the Defense of Good Practice: Steering Clear of Medico-Legal Complications
  - \* Fact Finders Presents: Anesthetic Test Dose and Seizure Risk with Cervical Transforaminal ESI
  - \* Section Moderator: Guidelines in the Defense of Good Practice: Steering Clear of Medico-Legal Complications.
- July 27, 2016 Spine Intervention Society Instructors Academy Bio-Skills Lab / LSU Russell C. Klein Center / New Orleans, LA

- June 24-25, 2016 Spine Intervention Society / Aurora, Colorado / Radiofrequency Procedures Bio-Skills Lab / Attendee
- May 13 - 15, 2016 / Spine Intervention Society / Cumberland, Rhode Island / Advanced Lumbar Bio-Skills Lab / Speaker and Instructor
  - \* Lecture: Introduction to Radiofrequency
- April 8-10, 2016 / Spine Intervention Society / Phoenix, AZ / Cervical Procedures Bio-Skills Lab / Speaker and Instructor
  - \* Lecture: Billing & Coding
- March 12-13, 2016 / Spine Intervention Society / Tampa, Florida / Discography Procedures Bio-Skills Lab / Speaker and Instructor
  - \* Billing and Coding
- February 19-21, 2016 / Spine Intervention Society / New Orleans, LA / Lumbar Procedures Bio Skills Lab / Speaker and Instructor
  - \* Lecture: Billing & Coding
- January 15-17, 2016 / Spine Intervention Society / Coral Gables, FL / Evidence-Based Spine Interventions Seminar – Attendee
- November 13-15, 2015 / Spine Intervention Society / Advanced Lumbar Procedures Bio-Skills Lab / Memphis, TN
  - \* Zygapophysial Joint Access
- October 09-11, 2015 / Spine Intervention Society Cervical Procedure Bio-Skills Lab / New Orleans, LA / Speaker
  - \* Lecture provided: Billing & Coding
- July 28-August 1, 2015 / Spine Intervention Society, 23<sup>rd</sup> Annual Scientific Meeting / Las Vegas, NV / Speaker
  - \* Physical Exam for the Spine Interventionalist
- May 22-24, 2015 / International Spine Intervention Society / 2015 European Congress / Vienna, Austria / Attendee
- March 27-29, 2015 / International Spine Intervention Society / Lumbar Procedures Bio Skills Lab / Tampa, FL / Speaker
  - \* Fluoroscopy Technical Considerations and Radiation Safety
  - \* Lumbar Transforaminal & Interlaminar
  - \* Spinal Imaging
- January 9-11, 2015 / International Spine Intervention Society / Lumbar Procedures Bio-Skills Lab / Attendee
- December 6-7, 2014 / International Spine Intervention Society / Lumbar Discography Bio-Skills Lab / LSU Russel C. Kline Center, New Orleans, LA / Observing Instructor.

- November 7-9, 2014 / International Spine Intervention Society / Cervical Procedures Bio-Skills Lab LSU Russel C. Kline Center, New Orleans, LA / Observing Instructor.
- October 24-25, 2014 / International Spine Intervention Society / Clinical Anatomy & Imaging / Chicago, IL / Attendee
- October 10-12, 2014 / International Spine Intervention Society /Lumbar Bio-Skills Lab / Memphis, TN / Instructor
- August 2, 2014 / Interventional Spine Intervention Society / Orlando, FL / Conduction of your own Research Course / Attendee
- July 30- August 3, 2014 / Interventional Spine Intervention Society 22<sup>nd</sup> Annual Scientific Meeting, Orlando, Florida / Attendee
- April 5-6, 2014 / Interventional Spine Intervention Society / Instructors Academy / Las Vegas, NV / Attendee
- September 21-22, 2013 / Interventional Spine Intervention Society / Lumbar and Thoracic Procedures Bio Skills Lab / Amsterdam Netherlands / Attendee
- July 19, 2013 / International Spine Intervention Society Evidenced-Based Medicine: Part II. Assessing Studies of Diagnostic Tests and Strategies./ New York City, NY / Attendee
- April 5-7, 2013 / International Spine Intervention Society / New Orleans, LA / Radiofrequency & Bio Skills Lab / Attendee
- July 17, 2012 / International Spine Intervention Society / New York City, NY / Evidenced-Based Medicine: Part I. Assessing Studies of Diagnostic Tests and Strategies. / Attendee
- July 17, 2012 / International Spine Intervention Society / Las Vegas, NV
  - \* Completed Course instruction on the Appraisal of Evidence in Studies of Treatment, and completed an assessment of competence to a satisfactory standard.
- July 17-21, 2012 / International Spine Intervention Society /Las Vegas, NV / 21<sup>st</sup> Annual Scientific Meeting / Attendee
- March 3-4, 2012 / International Spine Intervention Society / Lumbar Radiofrequency Procedures Bio-Skills Lab / LSU Russell C Klein Center / New Orleans, LA / Attendee
- September 16-18, 2011 / International Spine Intervention Society & American Academy of Physical Medicine & Rehabilitation Collaborative Lumbar Course / Denver, CO / Served as ad hoc instructor
- August 24-25, 2011 / International Spine Intervention Society / 19<sup>th</sup> Annual Scientific Meeting Best Practices in Spine Interventions / Chicago, IL / Attendee

- April 16, 2011 –Completion of the Vertos Medical requirements for didactic skills lab and cadaveric training in compliance with the product labeling. Instructions for use and purchase of the Vertos Medical mild\* devices and accessories. Vertos Labs, CA
- March 2011 – AAPM 27<sup>th</sup> Annual Meeting
- March 2011 – Disc-Fx® Educational Training Seminar, LSU Russel Klein Building
- July 2010 – 18<sup>th</sup> Annual Scientific Meeting of the International Spine Intervention Society. Wailea, Maui, HI
- July 2008 – 16<sup>th</sup> Annual Scientific Meeting of the International Spine Intervention Society, Las Vegas, NV
- March 15, 2008 – ANS Spinal Cord Stimulation Workshop and Cadaver Lab  
Duke University Medical Center
- February 2008 – AAPM 24<sup>th</sup> Annual Meeting – Chicago, IL
- November 2008 – AAPM&R Annual Meeting – San Diego, CA
- July 2007 – AAPM&R Self Directed Psychiatric Education Program Study Guide
  - \* SAE-P: Spinal Cord Injury Medicine
  - \* SAE-P Industrial Medicine & Acute Musculoskeletal Rehabilitation Category –
- July 2007 AAPM Annual Meeting – Minneapolis, MN
- November 2006 AAPM&R Annual Assembly – Honolulu, HI
- May 8, 2005 – AAPM&R – Preparing for the ABPMR Pain Subspecialty Board Examination
- May 6, 2005 – AAPM&R – Preparing for the ABPMR Pain Subspecialty Board Examination
- May 3, 2005 – AAPM&R – Preparing for the ABPMR Pain Subspecialty Board Examination
- April 28- May 2, 2004 - AAPM&R Pain Management Course