

AARON K. CALODNEY, M.D.

P.O. Box 130459 Tyler, Texas 75713-0459 (903) 531-2500

PRESENT TITLE:

**Physician
Aaron K. Calodney, MD, PA
Tyler, Texas**

**Past President (2006-2008)
Texas Pain Society**

**Board of Directors-ASIPP
American Society of Interventional Pain Physicians**

**Board of Directors-ISIS
Chairman-Education Committee**

HOSPITAL APPOINTMENTS:

**Staff Physician
Texas Spine and Joint Hospital
Tyler, Texas**

**Staff Physician
Trinity Mother Frances Health System
Tyler, Texas**

**Staff Physician
East Texas Medical Center
Tyler, Texas**

ADDRESSES:

OFFICE:

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Tyler, Texas 75713-0459
{903} 531-2500
Physical Address:
1814 Roseland Blvd., 2nd Floor
Tyler, TX 75701**

HOME:

**17909 CR 132
Flint, Texas 75762
{903} 894-6121**

BIRTH DATE:

March 9, 1956

CITIZENSHIP:

United States

UNDERGRADUATE EDUCATION:

**Indiana University
Bloomington, Indiana**

**Washington University
St. Louis, Missouri
B.S. – Music/Biology
1980**

GRADUATE EDUCATION:

**University of Missouri
School of Medicine
Columbia, Missouri
M.D.
1984**

POSTGRADUATE TRAINING:

Internship-Family Medicine:

St. Joseph's Hospital

**SUNY Upstate Medical Center
Crouse Irving Memorial Hospital
Syracuse, New York
1984 – 1985**

Residency – Anesthesiology:

**University of Texas at Houston
Hermann Hospital**

Texas Heart Institute

**Texas Children's Hospital
M.D. Anderson Tumor Institute
Houston, Texas
1985 – 1987**

**Fellowship – Pain Management/
Regional Anesthesia:**

**University of Texas, Houston
P. Prithvi Raj, M.D., Chief of Service
1987 – 1988**

Fellowship-Pediatric Anesthesia:

**Denver Children's Hospital
C. Lockhart, M.D., Chief of Service
1988**

ACADEMIC APPOINTMENTS:

**Clinical Instructor
Department of Anesthesiology
University of Texas Medical School
Houston, Texas 77030
1988 – 1989**

**Assistant Professor
Department of Anesthesiology
University of Texas Medical School
Houston, Texas 77030
1989-1991**

**Assistant Clinical Professor
Department of Anesthesiology
University of Texas Medical School
Houston, Texas 77030
1991 – 1994**

**Consultant, Pain Management
Department of NeuroOncology
M.D. Anderson Cancer Center
1989-1992**

**Staff Anesthesiologist
Neonatal/Pediatric Anesthesia Group
Hermann Hospital
Houston, Texas
1988-1991**

**Staff Physician
Coordinator, Acute Pain Service
University Center for Pain Medicine
1988 – 1991**

LICENSURE:

**Colorado License # 28670 - 2005
Texas License # H4082 - 1988**

EXAMS:

**National Boards I, II, III
SPEX {formerly FLEX}
CERTIFICATION:**

Diplomate

American Board of Anesthesiology # 17074 - 1989

**Certification of Special Qualifications in Pain Management
American Board of Anesthesiology - 1993**

Lifetime Certification

American Academy of Pain Medicine - 1991

Diplomate

American Board of Pain Medicine #828, 1993

Fellow of the Interventional Pain Practice (FIPP) - 2005

**American Board of Interventional Pain Physicians Competency
Certification in Controlled Substance Management – 2005**

**American Board of Interventional Pain Physicians Competency
Certification in Coding, Compliance and Practice Management – 2005**

Diplomate

American Board of Interventional Pain Physicians - 2006

**Examiner-World Institute of Pain, Fellow of the Interventional Pain
Physician Exam -2006 to present**

**“Protecting Human Research Participants” awarded by the National
Institute Of Health, Office of Extramural Research, April 2009.**

PROFESSIONAL ORGANZATIONS:

NATIONAL:

American Society of Anesthesiologists

American Society of Regional Anesthesia and Pain Medicine

American Pain Society

International Association for the Study of Pain

American Medical Association

International Spine Intervention Society

International Neuromodulation Society

American Society of Interventional Pain Physicians

North American Neuromodulation Society

REGIONAL:

Texas Medical Association

Texas Society of Anesthesiology

**Texas Pain Society, Board of Directors, Past President,
Founding Member**

Smith County Medical Society

PUBLICATIONS:

Raj P., Calodney A., Cannella J., Janisse T: Reflex Sympathetic Dystrophy in Skeletal Trauma, ed. Bruce Browner. WB Saunders, Philadelphia, PA. 1991

Raj P., Calodney A., Janisse T: Perioperative Pain Management in Skeletal Trauma, ed. Bruce Browner. WB Saunders, Philadelphia, PA. 1991 as well as Second Edition was released 1997.

Calodney A., Cannella J., Raj P.: Regional Anesthesia for the Traumatized Patient in Skeletal Trauma, ed. Bruce Browner. WB Saunders, Philadelphia, PA. 1991 as well as Second Edition was released 1997.

Calodney A., Raj P., Rehabilitation of the Spine Science and Practice: Reflex Sympathetic Dystrophy, ed. James Ryan. Mosby, St. Louis, MO. 1993.

Calodney A., Schwarzbach J., Lorren JT, ed. P. Prithvi Raj, Current Review of Pain, Characteristics, Pathogenesis, and Management of Myofascial Pain Syndrome, 1994.

Raj P., Calodney A., Janisse T: Perioperative Pain Management in Skeletal Trauma, ed. Bruce Browner. WB Saunders, Philadelphia, PA. Second Edition 1997.

Calodney A., Cannella J., Raj P.: Regional Anesthesia for the Traumatized Patient in Skeletal Trauma, ed. Bruce Browner. WB

Saunders, Philadelphia, PA. Second Edition 1997.

Manchikanti, L., Staats, P., Singh, V., Schultz, D.M., Vilims, B., Jasper, J.F., Kloth, D., Trescot, A., Hansen, H.C., Falasca, T.D., Racz, G., Deer, T., Burton, A., Helm, S., Lou, L., Bakhit, C.E., Dunbar, E.E., Atluri, S.L., Calodney, A.K., Hassenbusch, S., Feler, C.: Evidence-Based Practice Guidelines for Interventional Techniques in the Management of Chronic Spinal Pain, ed. Pain Physician, January 2003.

Pauza, Kevin, Shapiro, Michael, Calodney, Aaron, Bae, Sejong, & Singh, Karen: Treating Radiculopathy with an Indwelling Epidural Catheter and Infusion Pump, ed. Pain Physician, July 2005.

Andrea M. Trescot, MD, Mark V. Boswell, MD, Sairam L. Atluri, MD, Hans C. Hansen, MD, Timothy R. Deer, MD, Salahadin Abdi, MD, Joseph F. Jasper, MD, Vijay Singh, MD, Arthur E. Jordan, MD, Benjamin W. Johnson, MD, Roger S. Cicala, MD, Elmer E. Dunbar, MD, Standiford Helm II, MD, Kenneth G. Varley, MD, P.K. Suchdev, MD, John R. Swicegood, MD, Aaron K. Calodney, MD, Bentley A. Ogoke, MD, W. Stephen Minore, MD, and Laxmaiah Manchikanti, MD: Opioid Guidelines in the Management of Chronic Non-Cancer Pain, ed. Pain Physician, January 2006.

Calodney A., Lumbar Facet Blocks, IN: Raj P. (ed) Interventional Pain Management Image-Guided Procedures, 2nd Ed., Elsevier, Philadelphia, 2008.

Calodney A., Griffith D., Discography, IN: Mathis (ed) Image Guided Spine Interventions, 2nd Ed., Springer, New York, 2010. pp. 107-146

Calodney A., Buchalter J., Etiology and epidemiology of discogenic pain: how big is the problem? IN: Diagnosis, Treatment and Evaluation of Discogenic Pain 1st Ed., Elsevier, (in press)

Abstracts:

Minehart, Michael, Calodney, Aaron K., “Experience with Ultra-Slow Titration of Intrathecal (IT) Ziconotide: A Case Report.” Abstract ID: 60092. January 20, 2002 for the IASP 10th World Congress on Pain.

More O’Ferrall, D., Awan, S., Berceanu, L., Abdi, S., Saini, B., Calodney, A., “Improving Safety and Effectiveness: A Novel Technique for Stellate Ganglion Block.” September 2001 for International Spinal Injection Society annual meeting, Boston.

EDITORIALS:

Contributing Editor, Anesthesiology Alert, American Health Consultants, 1989 – 1991.

**International Association for the Study of Pain {IASP}
Sympathetically Medicated Pain Special Interest Group {SIG}
Newsletter Associate Editor, American Pain Society**

Assisting Editor, Pain Digest, Springer-Verlag, Boston, MA, 1991.

Editor, ISIS Newsletter, 1995 – 1996.

Editorial Advisory Board, Pain Physician, The Official Journal of ASIPP.

RESEARCH:

- 1. Investigator for Medtronic Neurological Implantable Systems Performance Registry (ISPR) post-market surveillance registry. Started January 2005 to present.**
- 2. Sub-Investigator for the Relievant Vertebral Body Nerve Ablation for one or two levels. Started January 2008 to present.**
- 3. Investigator for Laurimed Spinal Injection System – Cervical that assesses the vascular trespass incidence rate. Started November 2008 to present.**

PRESENTATIONS:

- 1. “Pediatric Pain”- Pediatric Grand Rounds, UTHSC, Houston, Texas. November 1989.**
- 2. “Peripheral Nerve Injury”- Scientific Session of the American Society of Regional Anesthesia, Annual Meeting, Peabody Hotel, Orlando, Florida. March 27, 1990.**

3. **“Pediatric Postoperative Pain Management”- Management in Children Seminar, Department of Pediatrics, Children’s Hospital of Oklahoma City, Oklahoma. April 26, 1990.**
4. **“Acute Pain Service”- Texas Society of Anesthesia, Annual Meeting, Corpus Christi, Texas. May 1990.**
5. **“Acute Pain Management- Ketorolac- An injectable.” Smith County Surgical Society, Tyler, Texas. August 9, 1990.**
6. **“Organization of an Acute Pain Service”- Advances in Pain Management Update, Houston, Texas. September 15, 1990.**
7. **“Multi-disciplinary Treatment of Cancer Pain”- Advances in Pain Management Update, Houston, Texas. September 16, 1990.**
8. **“Reflex Sympathetic Dystrophy Following Orthopedic Surgery”- Arcadia Orthopedic Society, Lafayette, Louisiana. October 16, 1990.**
9. **“Reflex Sympathetic Dystrophy” – University of Texas, San Antonio, Texas, October 18, 1990.**
10. **“Acute Pain Management” – San Antonio Society of Anesthesiology, San Antonio, Texas. October 18, 1990.**
11. **“Perioperative Pain Management” – Northwest Texas Society of Anesthesiology, Amarillo, Texas. November 8, 1990.**
12. **“Reflex Sympathetic Dystrophy” – Plastic Surgery Grand Rounds, University of Texas Medical School; Houston, Texas. November 12, 1990.**
13. **“Multi-disciplinary Management of Reflex Sympathetic Dystrophy” – Menorah Medical Center, Pain Management Lecture Series, Kansas City, Missouri. December 10, 1990.**
14. **“Update on Postoperative Pain Management” – Department of Anesthesiology, Scott and White Medical Center, Temple, Texas. December 17, 1990.**
15. **“Postoperative Pain” – Washington County Medical Society, Brenham, Texas. January 17, 1991.**
16. **“Clinical Application of Ketorolac Tromethamine in Anesthesia Practice” – Galveston, Texas. February 8, 1991.**
17. **“Perioperative Pain Management” – Tarrant County Society of Nurse Anesthetists, Dallas, Texas. February 9, 1991.**

18. **“What’s New in Pain Management” – Clinical Update 1991, Hermann Hospital, Houston, Texas. February 15, 1991.**
19. **“Advances in Perioperative Pain Management” – Department of Anesthesiology, University of New Mexico School of Medicine, Albuquerque, New Mexico. February 22, 1991.**
20. **“New Horizons in Pain Management” – Seton Medical Center, Austin, Texas. February 26, 1991.**
21. **“Acute Pain Management” – West Houston Medical Center, Houston, Texas. February 28, 1991.**
22. **“Postoperative Pain Management” – Mississippi Association of Nurse Anesthetists, Jackson, Mississippi. March 2, 1991.**
23. **“Pain Management” – Rusk County Medical Society, Henderson, Texas. March 12, 1991.**
24. **“Postoperative Pain Management” – Beaumont, Texas. March 14, 1991.**
25. **“Pain Management” – El Paso, Texas. March 15, 1991.**
26. **“Update on Acute Pain Management” – M.D. Anderson Cancer Center, Houston, Texas. March 15, 1991.**
27. **“Acute Pain Management” – Georgetown Community Hospital, Georgetown, Texas. March 27, 1991.**
28. **“Acute Pain Management” – Round Rock Community Hospital, Round Rock, Texas. March 27, 1991.**
29. **“Acute Pain Management” – South Austin Medical Center, Austin, Texas. March 27, 1991.**
30. **“Postoperative Pain Management” – Port Aransas County Medical Society, Port Aransas, Texas. April 22, 1991.**
31. **“Advances in Perioperative Pain Management” – New Orleans Society of Anesthesiologists, New Orleans, Louisiana. April 4, 1991.**
32. **“Postoperative Pain Management”- Department of Anesthesiology, St. Luke’s Hospital, Houston, Texas. April 22, 1991.**
33. **“The Clinical Use of Ketorolac Tromethamine” – Department of Pharmacy, The Methodist Hospital, Houston, Texas. April 23, 1991.**

34. **“Postoperative Pain Management” – Shreveport, Louisiana. April 26, 1991.**
35. **“Recent Advances in Pain Management” – Good Shepherd Medical Center, Longview, Texas. April 27, 1991.**
36. **“Pharmacological Management of Acute Pain” and “Regional Anesthesia Techniques in the Management of Acute Pain” – Symposium on Acute Pain, Good Shepherd Medical Center, Longview, Texas. April 27, 1991.**
37. **“Acute Pain Management” – Bryan-College Station, Texas. April 30, 1991.**
38. **“How to Manage Pain in the Perioperative Period” – Shreveport, Louisiana. May 16, 1991.**
39. **“Recent Advances in Acute Pain Management” – Department of Anesthesiology, University of Alabama, Birmingham, Alabama. May 17, 1991.**
40. **“Chronic Pain Management-A Multi disciplinary Approach-Early Referral can Optimize Patient Results” – How to Survive in a Managed Care Environment; Prudential Health Care Services of Houston. Houston, Texas. May 18, 1991.**
41. **“Advances in Acute Pain Management” – Department of Anesthesiology, Baylor College of Medicine, Houston, Texas. June 5, 1991.**
42. **“Management of Pain” – Collin/Fannin Counties Medical Society, Plano, Texas. June 18, 1991.**
43. **“Management of Postoperative Pain” – St. Patrick Hospital, Lake Charles Louisiana. June 18, 1991.**
44. **“Acute Pain Management” – Clear Water Beach, Florida. July 11, 1991.**
45. **“Management of Acute Pain” – Texas Department of Criminal Justice Institutional Division Physicians Quarterly Meeting, Huntsville, Texas. July 18, 1991.**
46. **“Recent Advances in Acute Pain Management” – Nueces County Spohn Hospital, Corpus Christi, Texas. August 14, 1991.**

47. **“New Advances in Acute Pain Management” – Alexandria, Louisiana. August 15, 1991.**
48. **“Acute Pain Management” – Northwest Medical Center, Houston, Texas. August 20, 1991.**
49. **“What’s New in Acute Pain?” – Southwest Memorial Hospital, Houston, Texas. August 28, 1991.**
50. **“Perioperative Pain Management” – Edward T. Smith Orthopaedic Lectureship, Skeletal Trauma 1991. Houston, Texas. September 20, 1991.**
51. **“Reflex Sympathetic Dystrophy” – Edward T. Smith Orthopaedic Lectureship, Skeletal Trauma 1991. Houston, Texas. September 20, 1991.**
52. **“Pediatric Regional Anesthesia, Pros and Cons” – Texas Gulf Coast Anesthesia Society, Houston, Texas. September 23, 1991.**
53. **“Pain Assessment and Management of the Postoperative Patient” – East Texas Association of Post Anesthesia Nurses, East Texas Medical Center, Tyler, Texas. March 13, 1993.**
54. **“Reflex Sympathetic Dystrophy after Spinal Surgery” – The East Texas Spine Society, Mother Frances Hospital, Tyler, Texas. March 16, 1993.**
55. **“Pain Management” – Mother Frances Hospital Foundation Board, Tyler, Texas. April 28, 1993.**
56. **“Pain Management” – East Texas District of the Texas Physical Therapy Association, May 1993.**
57. **Reflex Sympathetic Dystrophy
“6th International Congress – Pain Clinic” – Stouffer Waverly Hotel, Atlanta, Georgia. April 15-20, 1994.**
58. **“Pain Management and New Trends in NSAID Therapy” – Henderson Memorial Hospital, Henderson, Texas. August 2, 1994.**
59. **“Diagnosing Reflex Sympathetic Dystrophy” –Texas Back Institute Research Foundation Neuroscience Conference Series, Presbyterian Hospital of Plano, and Plano, Texas. November 18, 1994.**

60. **“Oncology Care: Focus on Quality of Life” – East Texas Medical Center Pavilion, Provided by American Cancer Society, Tyler, Texas. March 4, 1995.**
61. **“Practical Strategies of Medical Management in Acute & Chronic Pain” – Provided by G.D. Searle, Palestine, Texas. April 16, 1996.**
62. **“1st Annual Park City Pain Management and Rehabilitation Symposium” – Silver Lake Lodge, Bald Mountain Room Deer Valley, June 20-22, 1996.**
63. **“Pain Management in an Office Setting” – Country Doctors, Provided by The University of Texas Southwestern Medical Center at Dallas, Summit Club, Longview, Texas. April 15, 1997.**
64. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services Boston, MA. June 1, 1997.**
65. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services, Fort Worth, Texas. January 31-February 1, 1998.**
66. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services, Palm Springs, California. February 21-22, 1998.**
67. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services, Jupiter, Florida. March 28-29, 1998.**
68. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services, Atlanta, Georgia. April 18-19, 1998.**
69. **“Use of Opioids for Non-Malignant Pain Management” – Purdue Frederick, Tyler, Texas. April 24, 1998.**
70. **“Intensive Interventional Pain Management Techniques” – Clinical Education Services, Minneapolis, Minnesota. May 30-31, 1998.**
71. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services, Washington, D.C. July 18-19, 1998.**
72. **“Interventional Pain Management Techniques Seminar” – Clinical Education. Las Vegas, Nevada. September 19-20, 1998.**
73. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services. Kiawah Island, South Carolina. October 24-25, 1998.**

74. **“Interventional Pain Management Techniques seminar” – Clinical Education Services. Chandler, Arizona. December 5-6, 1998.**
75. **“Intrathecal Drug Delivery Workshop-Managing Complications Seminar” Coral Gables, Florida. December 12, 1998.**
76. **“Intrathecal Drug Delivery Workshop – Medtronic Neurological – Phoenix, Arizona. January 9, 1999.**
77. **“Interventional Pain Management Techniques Seminar” – Clinical Education Services. Los Angeles, California. March 6-7, 1999.**
78. **“The Use of Cox-2 Technology in Pain Management” – Searle. Palestine, Texas. April 15, 1999.**
79. **The Use of Cox-2 Technology in Pain Management” – Searle. Jefferson, Texas. April 16, 1999.**
80. **“Radiofrequency Interventional Pain Management Techniques Seminar” – Clinical Education Services. Houston, Texas. April 24-25, 1999.**
81. **“The Use of Cox-2 Technology in Pain Management” – Searle. Tyler, Texas. May 13, 1999.**
82. **“Comprehensive Interventional Pain Management Techniques Seminar” – Clinical Education Services. Chicago, Illinois. June 12-13, 1999.**
83. **“The Use of Cox-2 Technology in Pain Management” – Searle. Mount Pleasant, Texas. June 22, 1999.**
84. **“Comprehensive Interventional Pain Management Techniques Seminar” – Clinical Education Services. New York, NY. July 24-25, 1999.**
85. **“Chronic Opioid Use in Chronic Non-Cancer Pain” Nacogdoches Medical Center Hospital, Medical Staff Meeting, Nacogdoches, Texas. August 18, 1999.**
86. **“Post Op Failed Acute & Chronic Pain-Issues & Answers” – Texas Back Institute, Purdue Pharma. Plano, Texas. September 10, 1999.**
87. **“Image Guided Injections & RF Workshops – Interventional Pain Management Techniques” – Clinical Education Services. Denver, Colorado. September 11-12, 1999.**

88. **“Pain Management Overview in the Cancer and Non-cancer Setting”**
– Purdue Pharma. Texarkana, AR. September 14, 1999.
89. **“The Interventional Therapies Workshop – Medtronic”** – Memphis,
TN. September 17-19, 1999.
90. **“Opioid Use in Chronic Non-Malignant Pain Management - {NSAIDS
and other adjuvant}”** – Palestine, Texas. September 23, 1999.
91. **“New Protocols in Oral Opioid Therapy”** – Shreveport, LA.
September 27, 1999.
92. **“Non-Malignant Pain Management”** – Charlotte, NC. October 8,
1999.
93. **“Overview of Pain Management”** – Pittsburg, Texas. October 12,
1999.
94. **“Radiofrequency Lesioning Techniques”** – Clinical Education
Services. Atlanta, Georgia. October 16-17, 1999.
95. **“Interventional Pain Management Techniques”** – Clinical Education
Services. Dallas, Texas. December 4-5, 1999.
96. **“Radiofrequency Lesioning & Discogenic Pain Techniques”** – Clinical
Education Services. Fort Lauderdale, Florida. January 15-16, 2000.
97. **“Radiofrequency Lesioning & Discogenic Pain Techniques”** – Clinical
Education Services. Redondo Beach, California. March 18-19, 2000.
98. **“Association of Pain Management Anesthesiologists”** – Cadaver
Workshop. Boston, Massachusetts. May 6-7, 2000.
99. **“Radiofrequency Lesioning & Discogenic Pain Techniques”** – Clinical
Education Services. Minneapolis, Minnesota. May 20-21, 2000.
100. **“Interventional Pain Management Techniques”** – Clinical Education
Services. Wilmington, Massachusetts. June 24-25, 2000.
101. **“Worldwide Pain Conference 2000”** – Neuromodulation for Complex
Regional Pain Syndrome – ANS. San Francisco, California. July 15-
17, 2000.
102. **“Advanced Intermediate Interventional Pain Techniques”** – Clinical
Education Services. Charlotte, North Carolina. September 9-10,
2000.

- 103. "2000 ASA Annual Meeting" – San Francisco, California. October 14-15, 2000.**
- 104. "Advanced Intermediate Interventional Pain Techniques" – Clinical Education Services. Austin, Texas. October 21-22, 2000.**
- 105. "Intermediate Pain Management Techniques" – Clinical Education Services. Atlanta, Georgia. November 18-19, 2000.**
- 106. "Pulsed Radiofrequency & Interdiscal Therapies" – Clinical Education Services. Orlando, Florida. December 2-3, 2000.**
- 107. "Radiofrequency Lesioning & IDET" – International Spinal Injection Society. Phoenix, Arizona. December 9-10, 2000.**
- 108. "Symposium on the Application of Advanced Technology in Complex Pain Syndromes" – Advanced Neuromodulation Systems. Memphis, Tennessee. January 20-21, 2001.**
- 109. "Implantable Therapies – Theory & Technique Course" – Medtronic. St. Louis, MO. February 3-4, 2001.**
- 110. "ISIS Phase 3 Cervical Workshop" - San Francisco, California. March 10-11, 2001.**
- 111. "Radionics/Tyco Healthcare Radiofrequency Lesioning & Intradiscal Therapies" – Clinical Education Services. Houston, Texas. March 30-April 1, 2001.**
- 112. "ISIS Phase 4 Discography Workshop" – Memphis, Tennessee. October 13-14, 2001.**
- 113. "Contemporary Pain Management Techniques: Methods for Diagnosis and Treatment" HealthStream, Barrow Neurological Institute, Phoenix, Arizona. February 22-24, 2002.**
- 114. "Precision Spinal Injection Techniques" ASIPP, Las Vegas, Nevada. March 16, 2002.**
- 115. "ISIS Phase 4 Discography Workshop" Phoenix, Arizona. April 6-7, 2002.**
- 116. "RF Lesioning Course – Pain Management Techniques: A "Hands-On Cadaver Training Course for Standard, Pulsed & Intradiscal Radiofrequency", HealthSouth, Arlington, Texas. April 13, 2002.**
- 117. "Pain Management Speakers Bureau", Medtronic, Scottsdale, Arizona. May 3-5, 2002.**

118. **“Contemporary Pain Management Techniques: Methods of Diagnosis and Treatment: Anatomy and Patho-Anatomy of Spine”** HealthStream, Barrow Neurological Institute. Phoenix, Arizona. May 18–19, 2002. **“Anatomy and Patho-Anatomy of Spine”**.
119. **“ISIS Phase 2 Lumbar & Thoracic Workshop”**, Memphis, Tennessee. June 8-9, 2002.
120. **“Lumbar and Cervical Diagnostic Injections with Discography”** ISIS, Anchorage, Alaska. June 29 – 30, 2002.
121. **“IDET Phase 6 Annuloplasty, Coblation, LASE, Nucleoplasty”**, Burlingame, California. July 13 – 14, 2002.
122. **“Contemporary Pain Management Techniques: Methods for Diagnosis and Treatment”**, Healthstream, Memphis, Tennessee. September 21-22, 2002. Course Director. **“Anatomy and Patho-Anatomy of Spine/ Mechanisms of Pain”**.
123. **“Discogenic Neck Pain” Annual Meeting & Interventional Pain Medicine / Practice Symposium**, American Society of Interventional Pain Physicians. Washington, DC. September 23, 2002.
124. **“Radiofrequency Procedures for Non-Discogenic Spine Disorders” A Comprehensive Interventional Cadaver Workshop: Intermediate/Advanced**, ASIPP, Medical Education and Research Institute, Memphis, Tennessee. October 25 – 27. 2002.
125. **“ISIS Phase 3 Cervical”** Phoenix, Arizona. November 9-10, 2002.
126. **“Contemporary Pain Management Techniques: Methods for Diagnosis and Treatment”**, Healthstream, Phoenix, Arizona. November 23-24, 2002. **“Anatomy and Patho-Anatomy of Spine/ Mechanisms of Pain”**.
127. **“Pain and Its Management: An In-depth Review of Basic Mechanisms and Clinical Solutions.”** Dannemiller, Scottsdale, Arizona. January 18-22, 2003. **“Annuloplasty” and “Radiofrequency Procedures for Non-Discogenic Spinal Pain”**.
128. **“ISIS Phase 3 Cervical”**, Orlando, Florida. March 1-2, 2003.
129. **“Interventional Pain Management Symposium”** ASIPP, San Diego, California. March 21-23, 2003.

130. "The Intensive Workshop" ISIS Memphis, Tennessee. April 5-6, 2003.
131. "Discogenic Pain and Treatment Options – Discrode", Radionics, San Francisco, California. April 12, 2003.
132. "A Comprehensive Interventional Cadaver Workshop", ASIPP, Memphis, Tennessee. May 17-18, 2003.
133. "Twentieth Annual Pain Symposium", McInturff Conference Center, Lubbock, Texas. June 13-15, 2003.
134. "ISIS Phase 3 Cervical" Spine Intervention Workshop Using Cadavers. Memphis, Tennessee. June 28-29, 2003.
135. "ISIS Phase 3 Cervical" Spine Intervention Workshop Using Cadavers. Burlingame, California. September 6-7, 2003.
136. "ISIS Spinal Cord Stimulators & Infusion System Pumps", Phoenix, Arizona. November 8-9, 2003.
137. "ISIS Phase 1 Lumbar" Spine Intervention Workshop Using Cadavers. Burlingame, California. January 10-11, 2005.
138. "ISIS Phase 3 Cervical" Spine Intervention Workshop Using Cadavers. Dallas, Texas. April 3-4, 2005.
139. "ISIS Radiofrequency" Spine Intervention Workshop Using Cadavers. Medical Education and Research Institute. Memphis, Tennessee. July 24-25, 2004.
140. "ISIS Phase 1 Lumbar" – Spine Injection Workshop Using Cadavers. Medical Education and Research Institute. Memphis, Tennessee. August 21-22, 2004.
141. "Comprehensive Interventional Pain Management Cadaver Course", SPPM. Kansas City, Missouri. September 29- October 3, 2004.
142. "ISIS Advanced European Lumbar Workshop" – Muenster, Germany. October 16-17, 2004.
143. "ISIS Phase 4 Discography" – Spine Injection Workshop Using Cadavers. Burlingame, California. November 6-7, 2004.
144. "Interlaminar vs. Transforaminal Epidural Injections for Lumbar Radicular Pain". Lecture-AAPM. Palm Springs, California. February 23-27, 2005.

145. "ISIS Phase 3 Cervical" – Spine Injection Workshop Using Cadavers. Munich, Germany. March 19-20, 2005.
146. "ISIS Phase 3 Cervical" – Spine Injection Workshop Using Cadavers. Dallas, Texas. April 2-3, 2005.
147. "Medtronic Spinal Cord Stimulation & Intrathecal Pump Implant Workshop". Dallas, Texas. April 9, 2005.
148. "ISIS Radiofrequency" – Spine Intervention Workshop Using Cadavers. New Orleans, Louisiana. April 30-May 1, 2005.
149. "Drug Infusion Systems" – 22nd Annual Pain Symposium. Lubbock, Texas. June 10-12, 2005.
150. "ISIS 13th Annual Scientific Meeting" - Moderator for Radiofrequency. New York, New York. July 15-17, 2005.
151. "ISIS Radiofrequency Spine Interventions and IDET" – Advanced Workshop using Cadavers. Memphis, Tennessee. August 27-28, 2005.
152. "ISIS Phase 3 Cervical"– Spine Injection Workshop. Burlingame, California. October 1-2, 2005.
153. "Epidmed Interventional Pain Course" – Spine Injection Workshop-Faculty. Colorado Springs, Colorado. October 8-9, 2005
154. "ISIS Phase 4 Discography" – Spine Injection Workshop. Phoenix, Arizona. November 5-6, 2005.
155. "ISIS Phase 1 Lumbar" – Spine Injection Workshop. San Francisco, California. January 7-8, 2006.
156. "ISIS Radiofrequency"-Spine Injection Workshop, Phoenix, Arizona. February 4-5, 2006.
157. "Stryker Radiofrequency Instruction Workshop", Las Vegas, Nevada. February 11, 2006.
158. "Overview of Lumbar Injection Techniques". Lecture-AAPM. San Diego, California. February 22-26, 2006.
159. Examiner-World Institute of Pain for Fellow of the Interventional Pain Physician Exam, Memphis, Tennessee, March 11-12, 2006.
160. "ISIS Radiofrequency" Workshop, Dallas, Texas. April 1-2, 2006.

- 161. "ISIS Phase 4 Discography" Advanced Cadaver Workshop, Pittsburgh, Pennsylvania. May 6-7, 2006.**
- 162. "Stryker Radiofrequency Instruction Workshop", Indianapolis, Indiana. June 3, 2006.**
- 163. "Drug Infusion Systems" 23rd Annual Pain Symposium, Lubbock, Texas. June 9-11, 2006.**
- 164. "ISIS Radiofrequency Instruction Workshop", Boston, Massachusetts. August 5-6, 2006.**
- 165. "ISIS Phase I Lumbar Workshop", Memphis, Tennessee. September 9-10, 2006.**
- 166. "Stryker Radiofrequency Instruction Workshop", Dallas, Texas. September 16, 2006.**
- 167. "Stryker Radiofrequency Instruction Workshop", Memphis, Tennessee. October 7, 2006.**
- 168. "ISIS Advanced Lumbar Workshop", Phoenix, Arizona. November 4-5, 2006.**
- 169. American Society of Interventional Pain Physicians (ASIPP), "Comprehensive Basic, Intermediate, and Advanced Interventional Cadaver Workshop", Memphis, Tennessee. December 2-3, 2006.**
- 170. "ISIS Phase 1 Lumbar Cadaver Workshop", Burlingame, California. January 6-7, 2007.**
- 171. "Stryker Radiofrequency Instruction Workshop", Las Vegas, Nevada. February 10, 2007.**
- 172. Examiner & Faculty-World Institute of Pain for Fellow of the Interventional Pain Physician Exam, Memphis, Tennessee, March 9-11, 2007.**
- 173. "ISIS Radiofrequency Instruction Workshop", Dallas, Texas. March 31-April 1, 2007.**
- 174. "IPI Hands on Cadaver Course Workshop", San Antonio, Texas. May 5-6 2007.**
- 175. American Society of Interventional Pain Physicians (ASIPP), "Comprehensive Basic, Intermediate, and Advanced Interventional Cadaver Workshop", Memphis, Tennessee. May, 19-20, 2007.**

- 176. "ISIS Radiofrequency Instruction Workshop", Pittsburg, Pennsylvania. June 2-3, 2007.**
- 177. "ISIS Phase 3 Cervical Workshop", Charlotte, North Carolina. August 4-5, 2007.**
- 178. "Stryker Radiofrequency Instruction Workshop", Minneapolis, Minnesota. August 18, 2007.**
- 179. "IPI Hands on Cadaver Course Workshop", Napa, California. September 14-15, 2007.**
- 180. Examiner & Faculty-World Institute of Pain for Fellow of the Interventional Pain Physician-Lecturer and Examiner, Budapest, Hungary. September 25-28, 2007.**
- 181. American Society of Interventional Pain Physicians (ASIPP), "Comprehensive Basic, Intermediate, and Advanced Interventional Cadaver Workshop", Memphis, Tennessee. December 1-2, 2007.**
- 182. "Stryker Radiofrequency Instruction Workshop", Philadelphia, Pennsylvania. January 19, 2008.**
- 183. North American Spine Society (NASS) "Lumbar Spinal Injections-Hands on Course", Burr Ridge, Illinois. February 8-10, 2008.**
- 184. "ISIS Neuromodulation Workshop", Whistler, British Columbia. February 15-17, 2008.**
- 185. Examiner & Faculty-World Institute of Pain for Fellow of the Interventional Pain Physician Exam, Memphis, Tennessee. March 7-9, 2008.**
- 186. "Radiofrequency Master Class" - Sacroiliac Joint Anatomy, Function and Radiofrequency Ablation. Boston, Massachusetts, March 29-30, 2008.**
- 187. "ISIS Neuromodulation Workshop", Dallas, Texas. April 4-6, 2008.**
- 188. "Stryker Radiofrequency Instruction Workshop", Dallas, Texas. April 12, 2008.**
- 189. "Medtronic Pump Trial, Implant Options and Technique Pearls", Las Vegas, Nevada, May 17, 2008.**

- 190."Medtronic SCS options for patients with Complex Chronic Pain",
Kansas City, Missouri, June 7, 2008.
- 191." Stryker Radiofrequency Instruction Workshop", Burr Ridge,
Illinois, June 28, 2008.
- 192."Opposition to Spinal Cord Stimulators and How to Reply to
Opposition". ISIS 16th Annual Scientific Meeting, Las Vegas, Nevada,
July 23-25, 2008.
- 193."Update on Discography", Georgia Society of Interventional Pain
Physicians Pain Summit at Lake Oconee, Greensboro, Georgia,
August 8-10, 2008.
- 194."Stryker Radiofrequency Instruction Workshop", Minneapolis,
Minnesota, August 26, 2008.
- 195."Epidural Steroids and Beyond: Using Treatment Guidelines", Texas
Society of Anesthesiology Annual Meeting, Lost Pines, Texas,
September 5, 2008.
- 196." Review of Spinal Cord Stimulation, Indications and Mechanisms",
World Institute of Pain 2008 Review Course and Workshop,
Budapest, Hungary, September 8-10, 2008.
- 197." Sympathetic Block of the Thorax and Upper Extremities", World
Institute of Pain 2008 Review Course and Workshop, Budapest,
Hungary, September 8-10, 2008.
- 198."Stryker Radiofrequency Instruction Workshop", Phoenix, Arizona,
October 4, 2008.
- 199." "ISIS Radiofrequency Workshop", Phoenix, Arizona. November 1-
2, 2008.
- 200." American Society of Interventional Pain Physicians (ASIPP),
"Comprehensive Basic, Intermediate, and Advanced Interventional
Cadaver Workshop", Memphis, Tennessee. December 5-6, 2008.
- 201."FAD Regional Education Series Program Instructor", Medtronic
Neuromodulation, Oklahoma City, Oklahoma. January 16-17, 2009.
- 202."ISIS Cervical Discography & Bioskills Instruction Lab".
Spartanburg, South Carolina. February 21-22, 2009.
- 203." Stryker Radiofrequency Ablation Instruction Workshop", Phoenix,
Arizona. February 28, 2009.

- 204.” American Society of Interventional Pain Physicians (ASIPP),
“Comprehensive Basic, Intermediate, and Advanced Interventional
Cadaver Workshop”, Memphis, Tennessee. March 6-7, 2009.**
- 205.” Examiner & Faculty-World Institute of Pain for Fellow of the
Interventional Pain Physician-Faculty and Examiner, New York, New
York. March 13-16, 2009.**
- 206.” Stryker Radiofrequency Ablation Instruction Workshop”, Phoenix,
Arizona. March 21, 2009.**
- 207.”Stryker Radiofrequency Ablation Instruction Workshop”, Dallas,
Texas. April 18, 2009.**
- 208.”NeuroTherm Simplicity III Cadaver Workshop”, Humble, Texas.
April 25, 2009**
- 209.”ISIS Phase 2 Cervical Bio-Skills Lab”, Aurora, Colorado. May 1-3,
2009.**
- 210.”Interventional Pain Cadaver Workshop”-Faculty, Salt Lake City,
Utah. May 30-31, 2009.**
- 211.”Stryker Radiofrequency Ablation Instruction Workshop”, Burr
Ridge, Illinois. July 18, 2009.**
- 212.”Non-Invasive Diagnosis of Lumbar Disc Disease, Georgia Society of
Interventional Pain Physicians (GSIPP), 5th Annual Pain Summit,
Greensboro, Georgia, August 7-9, 2009.**
- 213.”Stryker Radiofrequency Ablation Instruction Workshop”, Dallas,
Texas. August 15, 2009.**
- 214.”Post Laminectomy Syndrome”, World Institute of Pain 2009 Review
Course and Workshop, Budapest, Hungary, August 31 – September
2, 2009.**
- 215.”The Gold Standard of Spine Surgery? Effective Pain Medicine
Changes the Surgery-Based Back Pain Treatment Paradigm”, Texas
Society of Anesthesiologists Annual Meeting, San Antonio, Texas,
September 10-13, 2009.**
- 216.”Anatomy, Indications, Techniques & Literature Review”,
International Spine Intervention Society Radiofrequency Bio-Skills
Lab, Phoenix, Arizona, October 2-4, 2009.**

- 217. “Radiofrequency Applications for Spinal Pain, Risks & Complications”, International Spine Intervention Society Radiofrequency Bio-Skills Lab, Phoenix, Arizona, October 2-4, 2009.**
- 218. “Radiofrequency Ablation for Pain Management”, 7th Annual Dallas Pain Symposium with Cadaver Workshop, Dallas, Texas, January 16-17, 2010**
- 219. “Stryker Radiofrequency Ablation Instruction Workshop”, Burr Ridge, Illinois, January 30, 2010.**
- 220. “SCS Complications of Generator Implantation and Programming”, International Spine Intervention Society Neurostimulation & Intrathecal Spinal Pumps Bio-Skills Lab, Park City, Utah, February 26-28, 2010.**
- 221. “IT Catheter Complications”, International Spine Intervention Society Neurostimulation & Intrathecal Spinal Pumps Bio-Skills Lab, Park City, Utah, February 26-28, 2010.**
- 222. “The Pro’s of Field Neurostimulation”, Cleveland Clinic 12th Annual Pain Management Symposium, Coronado, California, March 6-10, 2010.**
- 223. “Infection Control in Interventional Pain Management”, Cleveland Clinic 12th Annual Pain Management Symposium, Coronado, California, March 6-10, 2010.**
- 224. “Transforaminal Injections”, International Spine Intervention Society Phase 2 Cervical Bio-Skills Lab, Las Vegas, Nevada, March 19-21, 2010.**
- 225. “Sympathetic System – Anatomy and Physiology”, World Institute of Pain Advanced Interventional Pain Review Course, Cleveland, Ohio, April 23-24, 2010.**
- 226. Fellow of Interventional Pain Practice (FIPP) Examiner, World Institute of Pain, Cleveland, Ohio, April 25, 2010.**
- 227. “Discography, Intradiscal Therapies”, Florida Society of Interventional Pain Physicians Annual Meeting, Kissimmee, Florida, May 21-23, 2010.**
- 228. “Facet Radiofrequency Ablation”, Florida Society of Interventional Pain Physicians Annual Meeting, Kissimmee, Florida, May 21-23, 2010.**

229. **“Disc Access Application Techniques”, International Spine Intervention Society Cervical Radiofrequency & Discography Procedures Bio-Skills Lab, Aurora, Colorado, June 4-6, 2010.**
230. **“Complications of Interventional Techniques”, Texas Tech University 27th Annual Pain Symposium, Lubbock, Texas, June 11-13, 2010.**
231. **“Provocative and Analgesic Discography”, American Society of Interventional Pain Physicians Annual Meeting, Washington, D. C., June 26-30, 2010.**
232. **“Stryker Radiofrequency Ablation Instruction Workshop”, Burr Ridge, Illinois, July 10, 2010.**
233. **“Opioid Management”, International Spine Intervention Society 18th Annual Scientific Meeting, Maui, Hawaii, July 14-17, 2010.**
234. **“Axial Back SCS vs. PFNS or SCS for axial LBP”, International Spine Intervention Society 18th Annual Scientific Meeting, Maui, Hawaii, July 14-17, 2010.**
235. **“Stryker Radiofrequency Ablation Instruction Workshop”, Mahwah, New Jersey, August 21, 2010.**
236. **The 17th World Institute of Pain/ Fellow of Interventional Pain Practice (FIPP) Examiner, Budapest, Hungary, September 2, 2010.**
237. **“Spinal Cord Stimulation Comprehensive Review Course and Cadaver Workshop”, American Society of Interventional Pain Physicians, Memphis, Tennessee, September 17-19, 2010.**
238. **“Phase 2 Cervical Procedures Bio-Skills Lab”, International Spine Intervention Society, Burr Ridge, Illinois, September 24-26, 2010.**
239. **“Stryker Radiofrequency Ablation Instruction Workshop”, Burr Ridge, Illinois, October 9, 2010.**
240. **“Advance Intensive Bio-Skills Lab”, International Spine Intervention Society, Memphis, Tennessee, October 23-24, 2010.**
241. **“Infection Control in Interventional Pain”, Texas Pain Society 2nd Annual Scientific Meeting, Bastrop, Texas, October 29-31, 2010.**
242. **“Anatomy, Indications, Techniques & Literature Review”, International Spine Intervention Society Cervical Procedures Bio-Skills Lab, Phoenix, Arizona, February 4-6, 2011**

243. **“Update on Radiofrequency Ablation”, 8th Annual Dallas Pain Symposium with Cadaver Workshop, Dallas, Texas, February 19-20, 2011.**
244. **“SCS vs PENS for Axial Low Back Pain”, 8th Annual Dallas Pain Symposium with Cadaver Workshop, Dallas, Texas, February 19-20, 2011.**
245. **“Infection Control in Interventional Pain”, 8th Annual Dallas Pain Symposium with Cadaver Workshop, Dallas, Texas, February 19-20, 2011.**
246. **“Pre-op Evaluation Checklist and Systems Development for Offices”, International Spine Intervention Society Neurostimulation Comprehensive Review Lecture Series, Vail, Colorado, February 26-27, 2011.**
247. **“Controversies in SCS (office trials, sedation, paddle vs. round, perm trials, cost factors)”, International Spine Intervention Society Neurostimulation Comprehensive Review Lecture Series, Vail, Colorado, February 26-27, 2011.**
248. **“Government and 3rd Party Payor Actions and Policies”, International Spine Intervention Society Neurostimulation Comprehensive Review Lecture Series, Vail, Colorado, February 26-27, 2011.**
249. **“Technology Review”, International Spine Intervention Society Neurostimulation Comprehensive Review Lecture Series, Vail, Colorado, February 26-27, 2011.**
250. **Simplicity III Cadaver Workshop, KC Pain Center, Independence, Missouri, March 5, 2011.**
251. **“Stryker Radiofrequency Ablation Instruction Workshop”, Dallas, Texas, March 19, 2011.**
252. **“Interventional Pain Cadaver Workshop”, Neurotherm, Salt Lake City, Utah, April 30-May 1, 2011.**
253. **“Infection Control in Interventional Pain Management”, Florida Society of Interventional Pain Physicians Annual Meeting, Kissimmee, Florida, May 13-15, 2011.**

- 254. “Intradiscal Fibrin Sealant for the Treatment of Chronic Low Back Pain Caused by Lumbar Internal Disc Disruption””, Florida Society of Interventional Pain Physicians Annual Meeting, Kissimmee, Florida, May 13-15, 2011**
- 255. “Cervical Radiofrequency Procedures Bio-Skills Lab”, International Spine Intervention Society, New Orleans, Louisiana, July 9-10, 2011.**
- 256. International Spine Intervention Society 19th Annual Scientific Meeting, Hyatt Regency McCormick Place, Chicago, Illinois, August 10-13, 2011.**
- 257. “Discography Procedures Bio-Skills Lab”, International Spine Intervention Society, LSU Russell S. Klein Center, New Orleans, Louisiana, August 27-28, 2011.**
- 258. The 19th World Institute of Pain/ Fellow of Interventional Pain Practice (FIPP) Examiner, Budapest, Hungary, September 1, 2011.**
- 259. “Spinal Cord Stimulation Comprehensive Review Course and Cadaver Workshop”, American Society of Interventional Pain Physicians, Medical Education and Research Institute, Memphis, Tennessee, September 9-10, 2011.**
- 260. “Stryker Radiofrequency Ablation Instruction Workshop”, Mequon, Wisconsin, September 17, 2011**

