

## Curriculum Vitae

Timothy T. Davis MD  
Medical Director  
Orthopaedic Pain Specialists  
Santa Monica, CA

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### **SPECIALTY**

Physical Medicine - specializing in diagnosis and conservative management of spinal and musculoskeletal injuries as well as interventional pain management and electrodiagnostics. Special interest in Platelet Rich Plasma and Stem Cell Therapy for Spine and Joint Injuries.

### **MEDICAL SCHOOL**

1990-1996 University of Missouri-Kansas City, School of Medicine (six-year program), Kansas City, MO,  
May 1996, degree: BA/MD

### **POSTGRADUATE TRAINING**

1996-1997 General Surgery, Ochsner Medical Foundation, New Orleans, LA  
1997-2000 Physical Medicine and Rehabilitation, UCLA/WLA VA, Los Angeles, CA  
2000-2001 Post Graduate Training, The Spine Institute at St Johns Health Center

### **HOSPITAL APPOINTMENTS**

- Saint Johns Health Center, Santa Monica, CA – Active
- Cedars Sinai Medical Center, Los Angeles, CA – Active
- Marina Del Rey Hospital, Marina Del Rey, CA - Active

### **PROFESSIONAL SOCIETIES**

- American Academy of Physical Medicine and Rehabilitation
- North American Spine Society
- American Academy of Pain Medicine
- American Society of Neurophysiologic Monitoring
- North American Neuromodulation Society
- International Spine Intervention Society

### **LEADERSHIP POSITIONS**

- Medical Executive Committee, Broadway Surgical Institute 2013-Present
- Board of Directors, Broadway Surgical Institute 2013-Present
- Member, Spine Technology and IOM Focus Group, Providence Health System – 2012-Present
- Medical Director, Orthopedic Pain Specialists, 2012-Present
- Member, Providence, St Johns Spine Sub-Section Committee, 2011-Present
- Vice Chairman, Board of Directors, American Board of Neurophysiologic Monitoring 2011-2012
- Board of Directors, Spalding Surgery Center 2010-2012
- Member, Spine Center of Excellence, Cedars Sinai, Hospital – 2009-Present
- Co-Chair Spine Review Task Force, Cedars Sinai Medical Center 2009-2011
- Board of Directors, American Board of Neurophysiologic Monitoring 2009-2012
- Chief Executive Officer, Alpha Diagnostics 2007-Present

### **LICENSURE AND CERTIFICATIONS**

- Licensed – California State Medical Board
- Licensed – Louisiana State Medical Board
- Licensed – Texas State Medical Board

- Diplomat – National Board of Medical Examiners
- Diplomat – American Board of Physical Medicine and Rehabilitation
- Diplomat – American Board of Pain Medicine
- Diplomat – American Board of Neurophysiologic Monitoring
- Fellow – American Academy of Physical Medicine and Rehabilitation
- Supervisor/Operator – Fluoroscopy, State of California

## **MEDIA**

1. "Women on the Go, Keep Moving to Stay Strong" Davis TT. Providence, St Johns - Irene Dunne Guild – Think Pink Event. Jun 1, 2015. <https://youtu.be/aKLMKxCpsws>
2. "Samantha Cobb, Complex Regional Pain Syndrome strikes a former Gymnast" Davis TT, Stork T. The Doctors TV. Air Date May 13, 2015. <http://www.thedoctorstv.com/videos/hope-for-woman-with-chronic-pain-disorder>
3. "Bonnie Kate Zogbhi, survivor of the Aurora CO shooting" Davis TT, Stork T. The Doctors TV. <http://www.thedoctorstv.com/videos/shooting-victim-receives-nonsurgical-treatment-for-chronic-pain>
4. "Lou Ferrigno's Plantar Fasciitis Treated with New Minimally Invasive Technology" Davis TT, Stork T. The Doctors TV. <http://www.thedoctorstv.com/videos/lou-ferrigno-fights-plantar-fasciitis>
5. "Beloved Bodybuilder and Actor Lou Ferrigno Credits Tenex Health TX(TM) for Getting Him Back on His Feet" Davis TT, Ferrigno L. Global Newswire Press Release, Nasdaq Jumbotron. Manhattan, NY. Sep 16, 2014  
<http://globenewswire.com/news-release/2014/09/16/666265/10098735/en/Beloved-Bodybuilder-and-Actor-Lou-Ferrigno-Credits-Tenex-Health-TX-TM-for-Getting-Him-Back-on-His-Feet.html>
6. "National Chronic Pain Study Taking Place in Santa Monica" by Matthew Hall. Santa Monica Daily Press. Jul 2, 2014. <http://smdp.com/national-chronic-pain-study-place-santa-monica/140620>
7. "Lou Ferrigno's Plantar Fasciitis Treated by Dr Tim Davis with The Tenex Device" Davis TT, Ferrigno L. Orthopedic Pain Specialists Channel, YouTube. Jun 11, 2014.  
<https://www.youtube.com/watch?v=xwPzSeqJ6xY>
8. "The ACCURATE Clinical Study for Chronic Leg Pain" by Denise Dador. KABC 7, Los Angeles May, 26 2014. <http://orthopaindocs.com/accurate-clinical-trial-kabc-news/>
9. "Non-Surgical Treatment for Osteoarthritis" Davis TT, Stork T. The Doctors TV. Apr 2014.  
<http://www.thedoctorstv.com/videolib/init/11462>
10. "New Procedure to relieve Tennis Elbow" Davis TT, Stork T. The Doctors TV. Nov 2013.  
<http://www.thedoctorstv.com/videolib/init/10332>
11. "Lumbar Plexus Anatomy within the Psoas Muscle: Implications for the Transpsoas Lateral Approach to the L4-5 Disc" **Davis TT**, Bae HW. Video Journal of Orthopaedics. Jun, 2012.  
<http://www.vjortho.com/2012/06/lumbar-plexus-anatomy-within-the-psoas-muscle-implications-for-the-transpsoas-lateral-approach-to-the-l4-l5-disc/>
12. "Stem Cells for Back Pain" Davis TT. The Doctors TV. Feb 2012.  
<http://www.thedoctorstv.com/videolib/init/6388>
13. "Disc Protein Injection to Encourage Damaged Discs to Regrow" Davis TT, Bae HW. KTLA 5. Jun 6, 2009  
<https://www.youtube.com/watch?v=HivBa1nAOB8&list=PLcXKKh4dfy1puua1dpkIFj5ujFKPkzTr9&index=2>

## **PUBLICATIONS**

1. **Davis TT**, Kapural L, et al. A Prospective, Multi-center, Randomized, Clinical Trial Evaluating the Safety and Effectiveness of Using Coolief™ Pain Management Cooled Radiofrequency Probe to Create Lesions of the Genicular Nerves and Comparing Corticosteroid Injection in the Management of Knee Pain. Submitted for publication
2. Deer T, **Davis TT**, et al. Accurate Clinical Study: Dorsal Root Ganglion Neurostimulation for Lower Extremity Causalgia. Submitted for Publication
3. **Davis TT**, Mejia DM, Fung DA, Liu J, Clark S, Daily D. Is the Lateral Jack-Knife Position Responsible for Cases of Transient Neuropraxia. *J of Neurosurg Spine* 2015
4. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement: Case Series. Submitted for Publication.
5. Fung DA, Mejia DM, **Davis TT**. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An MRI Study. *J of Neurosurg Spine* 2015
6. **Davis TT**, Tadlock S, Bernbeck J, Fung DA, Molinares DM. Can triggered electromyography be used to evaluate pedicle screw placement in hydroxyapatite-coated screws: an electrical examination. *J Clin Neurophysiol*. 2014 Apr;31(2):138-42.
7. **Davis TT**, Hynes R, Spann S, McMillan M, Kwon B, Liu J, Acosta F, Drochner T, Fung DA. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study. *J Neurosurg Spine*. 2014 Nov;21(5):785-93. doi: 10.3171/2014.7.SPINE13564. Epub 2014 Sep 12.
8. Raso LJ, Deer TR, Schocket SM, Chapman JA, Duarte LE, Justiz R, Amirdelfan K, Paicius RM, Navalgund YA, Girardi GE, Coleman NE, Verdolin M, Haider N, Rosen S, Netherton MD, Owens MC, Bennett MT, Rosenberg J, Jackson S, Nelson CL, **Davis TT**. Use of a Newly Developed Delivery Device for Percutaneous Introduction of Multiple Lead Configurations for Spinal Cord Stimulation. *Neuromodulation*. 2014 Jul;17(5):465-71;
9. Raso L, et al., **Davis TT**. Use of a Newly Developed Delivery Device for Percutaneous Introduction of Multiple Lead Configurations for Spinal Cord Stimulation. Submitted for Publication
10. Raso L, et al., **Davis TT**. Use of a Newly Developed Delivery Device for Percutaneous Introduction of Multiple Lead Configurations for Spinal Cord Stimulation. Submitted for Publication
11. Bae HW, Kanim L, Gupta N, Kropf M, Delamarter RB. Clinical Contributor **Davis TT**. Marked improvement in patients treated with vertebroplasty after painful osteoporotic compression fractures. *Spine* 2012
12. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. *PM R*. 2013 Aug;5(8):729-31. Doi: 10.1016/j.pmr.2013.04.021. Epub 2013 Apr 30
13. **Davis TT**, Day T, Bae HW, Rasouli A. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. *J Spinal Disord Tech*. 2013 Jul [Epub ahead of print].
14. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbar Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. *J Bone Joint Surg Am*. 2011 Aug 17;93(16): 1482-7 doi: 10.2106/JBJSJ.00962

15. **Davis, T.T.**, Delamarter, R.B., Goldstein, T., IDET Procedure for Chronic Discogenic Low Back Pain. Spine ISSLS Special Issue. 2004 Apr 1; 29(7): 752-6
16. **Davis, T.T.**, Sra, P., Fuller, N., Bae, H.W., Intradiscal Thermal Therapies for Discogenic Low Back Pain: A Review. Orthop Clin North Am. 2003 Apr;34(2):255-62, vi.
17. **Davis, T.T.**, Manning, M.R., Jones, D.G.: Abstract: Sub acute Dens Fracture in a Professional Football Player: Case Study. Medicine and Science in Sports and Exercise, Jun 2000.

### **BOOK CHAPTERS**

1. Hunter C, **Davis TT**. Co-Editors. Biologics in Interventional Pain Medicine, Interventional Pain Atlas. Diwan S. In Press
2. Fung DA, **Davis TT**. Interventional Therapies. Integrating Pain Treatment into Your Spine Practice. Falowski S, Pope J. Springer In Press
3. Fung DA, **Davis TT**. Biologic and Regenerative Therapies. Comprehensive Pain Management in the Rehabilitation Patient. In Press
4. Fung DA, Darling M, Davis TT. Pain in the Tendonopathy Rehabilitation Patient. Comprehensive Pain Management in the Rehabilitation Patient. In Press
5. Fung DA, Davis TT. Biologics and Regenerative Therapies. The Spine Handbook. Desai M. Oxford University Press. In Press
6. Fung DA, **Davis TT**. Injections of the Cervical Thoracic and Lumbar Spine. Surgical Approaches to the Spine, 3<sup>rd</sup> Edition, Editor R Watkins III. Springer Science+Business Media, New York 2015
7. **Davis TT**, Baron E, Anand N. Transpoas Neuromonitoring. By Loftus, Biller, and Baron. Intraoperative Neuromonitoring. McGraw Hill, New York, NY. 2012
8. Anand N, Baron EM, **Davis TT**. The Transpoas Approach for Thoracolumbar Interbody Fusion. Chapter 34, Spinal Surgery, Operative Techniques. 2<sup>nd</sup> Edition, By Vaccaro A, Baron EM. Elsevier Medical Publishing, Philadelphia 2012

### **PEER REVIEWED PRESENTATIONS**

1. **Davis TT**. Intradiscal Biologics: Ten Years of Experience, The Good, The Bad, and The Ugly. Regenerative Interventional Orthopedics: The Next Frontier. Broomfield, CO Oct 23, 2015
2. **Davis TT**. Tendonitis and Treatments. 22<sup>nd</sup> Annual Napa Pain Conference. Napa Valley, CA. Aug 28, 2015
3. **Davis TT**. Discography, Does it have a Place in the Future of Spine Care, CON. 31<sup>st</sup> Annual Meeting American Academy of Pain Medicine. Washington D.C. Mar 20, 2015
4. **Davis TT**. Platelet Rich Plasma, Ready for Prime Time, PRO. 31<sup>st</sup> Annual Meeting American Academy of

Pain Medicine. Washington D.C. Mar 20, 2015

5. **Davis TT**. Stem Cells, Ready for Prime Time, PRO. 31<sup>st</sup> Annual Meeting American Academy of Pain Medicine. Washington D.C. Mar 20, 2015
6. **Davis TT**, Mejia DM, Fung DA. Lateral Jack-Knife Position as a cause for Lumbar Plexus Neuropraxia. Podium Presentation. North American Spine Society. San Francisco, CA. Nov 14, 2014
7. **Davis TT**, Hynes R, Spann S, McMillan M, Kwon B, Liu J, Acosta F, Drochner T, Fung DA. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: A MRI Study. Podium Presentation. North American Spine Society. San Francisco, CA. Nov 12, 2014
8. **Davis TT**, Mejia DM, Fung DA. Lateral Jack-Knife Position as a cause for Lumbar Plexus Neuropraxia. International Spine Injection Society. Poster Presentation. Orlando, FL. Jul 30-Aug 3, 2014
9. **Davis TT**, Mejia DM, Fung DA. Lateral Jack-Knife Position as a cause for Lumbar Plexus Neuropraxia. International Society for the Advancement of Spine Surgery. Podium Presentation. Miami, FL. Apr 30-May 2, 2014
10. **Davis TT**, Olan W. Totalis™ Decompression System for Lumbar Spinal Stenosis. Centers for Medicare and Medicaid, Baltimore, MD Dec 4, 2013
11. Fung DA, Richeimer S, Carroll B, **Davis TT**. Lumbar Subcutaneous Peripheral Field Stimulation in Eleven Patients with Chronic Low Back Pain and/or Post Laminectomy Syndrome. American Academy of Physical Medicine and Rehabilitation, Annual Assembly. National Harbor, MD. Oct 3-6, 2013
12. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Podium Presentation. Napa Pain Conference. Napa, CA. Aug 23, 2013
13. Minimally Invasive Decompression of the Lumbar Spine; New Options for Interventional Pain Physicians. Podium Presentation. Napa Pain Conference. Napa, CA. Aug 23, 2013
14. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. Poster Presentation. Napa Pain Conference. Napa, CA. Aug 23, 2013
15. Fung DA, Richeimer S, Carroll B, **Davis TT**. Lumbar Subcutaneous Peripheral Field Stimulation in Eleven Patients with Chronic Low Back Pain and/or Post Laminectomy Syndrome. Poster Presentation. Napa Pain Conference. Napa, CA. Aug 23, 2013
16. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. Poster Presentation. Napa Pain Conference. Napa, CA. Aug 23, 2013
17. **Davis TT**, Hynes R, Spann S, McMillan M, Kwon B, Liu J, Acosta F, Drochner T, Fung DA. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study. Podium Presentation. NASS Summer Spine Meeting. Naples, Florida. Jul 31-Aug 3, 2013
18. Fung DA, Richeimer S, Carroll B, **Davis TT**. Lumbar Subcutaneous Peripheral Field Stimulation in Eleven Patients with Chronic Low Back Pain and/or Post Laminectomy Syndrome. Poster Presentation. International Spine Intervention Society. New York, NY. Jul 12-14, 2013
19. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. Poster Presentation. International Spine Intervention Society. New York, NY. Jul 12-14, 2013
20. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Podium Presentation. International Spine Intervention Society. New York, NY. Jul 14, 2013

21. Fung DA, Richeimer S, Carroll B, **Davis TT**. Lumbar Subcutaneous Peripheral Field Stimulation in Eleven Patients with Chronic Low Back Pain and/or Post Laminectomy Syndrome. Poster Presentation. PAIN 2013 Palm Beach, Fl. Jul 12-14, 2013
22. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. Poster Presentation. PAIN 2013 Palm Beach, Fl. Jul 12-14, 2013
23. **Davis TT**, Hynes R, Spann S, McMillan M, Kwon B, Liu J, Acosta F, Drochner T, Fung DA. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study. Poster Presentation. International Society for Study of the Lumbar Spine. Scottsdale, Arizona. May 13-17, 2013
24. **Davis TT**, Hynes R, Spann S, McMillan M, Kwon B, Liu J, Acosta F, Drochner T, Fung DA. Retroperitoneal Oblique Window to the L2-S1 Intervertebral Discs in the Lateral Position: An Anatomic Study. Podium Presentation. International Society for the Advancement of Spine Surgery. Vancouver, British Columbia. Apr 15, 2013
25. **Davis TT**. MILD: Prospective Studies of Efficacy and Safety. Podium Presentation. American Academy of Pain Medicine. Fort Lauderdale, FL. Apr 12, 2013
26. **Davis TT**, Fung D. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. Poster Presentation. North American Neuromodulation Society, Annual Meeting. Las Vegas, NV. Dec 6-9, 2012
27. Schocket SM, Raso LJ, Deer TR, et al, **Davis TT**. Use of a Newly Developed Delivery Device for Percutaneous Introduction of Multiple Configurations of Spinal Cord Stimulation Leads. Poster Presentation. North American Neuromodulation Society, Annual Meeting. Las Vegas, NV. Dec 6-9, 2012
28. Deer TR, Raso LJ, Schocket SM, et al, **Davis TT**. Safety of a Newly Developed Delivery Device for Percutaneous Introduction of Multiple Configurations of Spinal Cord Stimulation Leads. Poster Presentation. North American Neuromodulation Society, Annual Meeting. Las Vegas, NV. Dec 6-9, 2012
29. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Poster Presentation. American Academy of Physical Medicine and Rehabilitation, Annual Assembly. Atlanta, GA. Nov 15-18, 2012
30. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Poster Presentation. International Society for the Advancement of Spine Surgery. Barcelona, Spain. Mar 20-23, 2012
31. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Poster Presentation. Association of Academic Physiatrists. Las Vegas, CA. Feb 28-Mar 3, 2012
32. **Davis TT**, Schulz C. Dorsal Epidural Lipoma Resulting in Increased Impedance Measurements During Dorsal Column Stimulator Trial Placement: Case Study. Poster Presentation. American Academy of Pain Medicine. Palm Springs, CA. Feb 23-26, 2012
33. **Davis TT**. E-prescribe Rules and Regulations. Podium Presentation. 11<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV. Feb 4, 2012
34. **Davis TT**. EHR Meaningful Use Rules and Compliance. 11<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Podium Presentation. Las Vegas, NV. Feb 2, 2012
35. **Davis TT**. Understanding Lumbar Plexus Anatomy, Electrophysiology and Staying out of Trouble. Podium Presentation. North American Spine Society, Chicago, IL. Nov 2, 2011

36. **Davis TT.** The Lumbar Plexus and the Transpsoas Approach, What Technicians Need to Know. Western Society of Electrodiagnostics Technologists. Podium Presentation. Pasadena, CA. Feb 16, 2011
37. **Davis TT.** The Lumbar Plexus and the Transpsoas Approach, A Neurophysiologic and Anatomic Review. Podium Presentation 10<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV. Feb 4, 2011
38. **Davis TT,** Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Podium Presentation. Latin American Society for the Advancement of Spine Surgery. Cabo San Lucas, Mexico. Jun 16-18, 2010
39. **Davis TT,** Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Podium Presentation. Latin American Society for the Advancement of Spine Surgery. Cabo San Lucas, Mexico. Jun 16-18, 2010
40. **Davis TT,** Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Podium Presentation. Latin American Society for the Advancement of Spine Surgery. Cabo San Lucas, Mexico. Jun 16-18, 2010
41. **Davis TT,** Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Poster Presentation. American College of Spine Surgery. Newport, CA. Jun 10-12, 2010
42. **Davis TT,** Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Podium Presentation. American College of Spine Surgery. Newport, CA. Jun 10, 2010
43. **Davis TT,** Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Podium Presentation. American College of Spine Surgery. Newport, CA. Jun 10, 2010
44. **Davis TT,** Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Poster Presentation. American Association of Neurological Surgeons. Philadelphia, PA. May 1-5, 2010
45. **Davis TT,** Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Poster Presentation. American Association of Neurological Surgeons. Philadelphia, PA. May 1-5, 2010
46. **Davis TT,** Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Poster Presentation. American Association of Neurological Surgeons. Philadelphia, PA. May 1-5, 2010
47. **Davis TT,** Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Poster Presentation. Spine Arthroplasty Society. New Orleans, LA. Apr 27, 2010
48. **Davis TT,** Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Podium Presentation. Spine Arthroplasty Society. New Orleans, LA. Apr 27, 2010
49. **Davis TT,** Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Poster Presentation. Spine Arthroplasty Society. New Orleans, LA. Apr 27, 2010
50. Bae HW, Kanim L, Gupta N, Kropf M, **Davis TT,** Delamarter RB. Marked improvement in patients treated with vertebroplasty after painful osteoporotic compression fractures. Santa Monica, CA.

- Special Poster Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. Apr 13, 2010
51. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space, is there a "Safe Zone"? A Cadaveric Study. Podium Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. Apr 13, 2010
  52. **Davis TT**, Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Poster Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. Apr 13, 2010
  53. Bae HW, Kanim L, Gupta N, Kropf M, **Davis TT**, Delamarter RB. Marked improvement in patients treated with vertebroplasty after painful osteoporotic compression fractures. Santa Monica, CA. Special Poster Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. Apr 14, 2010
  54. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Podium Presentation. American Academy of Orthopaedic Surgeons, New Orleans, LA. Mar 9, 2010.
  55. **Davis TT**, Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Poster Presentation. American Academy of Orthopaedic Surgeons, New Orleans, LA. Mar 9, 2010.
  56. **Davis TT**. The Lumbar Plexus and the Transpsoas Approach, A Neurophysiologic and Anatomic Review. 9<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV. Feb 5, 2010
  57. **Davis TT**, Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Poster Presentation. American Association of Neurological Surgeons. Orlando, FL. Feb 17-20, 2010
  58. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Best Paper Category Podium Presentation. North American Spine Society – Annual Assembly. San Francisco, CA. Nov 12, 2009
  59. **Davis TT**, Bae HW, Delamarter RB, Rasouli A, King B. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Focused Paper Podium Presentation. North American Spine Society – Annual Assembly. San Francisco, CA. Nov 12, 2009
  60. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. Spine Center Grand Round, Cedars Sinai. Los Angeles, CA. Nov 4, 2009
  61. Bae HW, Kanim LEA, Kropf M, Delamarter RB. Radiographic Range of Motion is Related to Clinical Outcomes in Lumbar Artificial Disc Replacement Patients: One Site Analysis of 219 Patients with Minimum 2-year Follow-up USA FDA IDE Study. Podium Presentation by **Davis TT**. North American Spine Society, Spine Across The Sea. Kapalua, HI. Jul 30 2009
  62. Bae HW, Zao L, Kanim LE, Zhu D, Pradhan B, Wang J, Delamarter RB. Variability Among 10 Production Lots of a Single Demineralized Bone Matrix Product. Podium Presentation by **Davis TT**. Western Orthopaedic Society. Kapalua, HI. Jul 27, 2008
  63. Bae HW, Kim K, Delamarter RB, Babbitz J. Mobi-C Cervical Disc Replacement: Early Results for two centers in the Multicenter FDA Clinical Trial. Podium Presentation by **Davis TT**. Western Orthopaedic Society. Kapalua, HI. Jul 27, 2008
  64. **Davis TT**, Bae HW, Sikorsky M, Fischgrund J. A Phase 1 Safety Study of Intradiscal Osteogenic Protein-1 Injection in Patients with Lumbar Degenerative Disk Disease. Poster Presentation, American Academy of Physical Medicine and Rehabilitation. Boston, MS. Sep 27-30, 2007



65. **Davis, TT**, Delamarter RB, Goldstein T. The IDET Procedure for Discogenic Low Back Pain. Podium Presentation, International Society for the Study of the Lumbar Spine. Cleveland, OH. May 2002.
66. **Davis, TT**, Delamarter RB, Goldstein T. The IDET Procedure for Discogenic Low Back Pain. Podium Presentation, American Academy of Orthopaedics Surgeons. Dallas, TX. Feb 2002.
67. **Davis, TT**, Delamarter RB, Goldstein T. The IDET Procedure for Discogenic Low Back Pain. Podium Presentation, North American Spine Society, Seattle, WA. Nov 2001.
68. **Davis, TT**, Manning, M.R., Jones, D.G.: Sub acute Dens Fracture in a Professional Football Player: Case Study. Podium Presentation. The American College of Sports Medicine, Indianapolis, IN. May 2000.
69. **Davis, TT**, UCLA Department of PM&R. Center of Mass Analysis in Diabetics with Peripheral Neuropathy and Trans-tibial Amputations. Presented at UCLA PM&R Research Days Los Angeles, CA. May 20, 1999.

## **RESEARCH**

1. Phase III, Allogenic Stem Cells for Low Back Pain. Safety and efficacy study of Rexlemestrocel-L in subjects with chronic discogenic lumbar back pain (MSB-DR003). **Davis TT**, Fung DA, Su J. Principal Investigator
2. A Phase II, Double-Blind, Randomized, Controlled Study to Evaluate the Efficacy and Safety of JointStem, Autologous Adipose Tissue Derived Mesenchymal Stem Cells, in Treatment of Osteoarthritis. **Davis TT** Principal Investigator, Fung DA, Gerhardt M
3. CREATE-1, A randomized, double-blind, placebo-controlled, 24-week study to evaluate the efficacy and safety of AXS-02 in patients with CRPS-I. **Davis TT** Principal Investigator, Fung DA
4. Minimally Invasive Oblique Surgical Corridor to the Lumbar Intervertebral Disc: Anatomic Study. **Davis TT**, Hynes R, Kwon B, Liu J, Acosta F, Spann S, Drochner T, Fung D. Principal Investigator – Industry Sponsored Anatomic Study, Primary Author. Research Facility and Supplies Donated by Medtronic.
5. Minimally Invasive Oblique Surgical Corridor to the Lumbar Intervertebral Disc: Magnetic Resonance Study. **Davis TT**, Hynes R, Kwon B, Liu J, Acosta F, Spann S, Drochner T, Fung D. Principal Investigator – Investigator Initiated Study. Primary Author.
6. Lateral Jack-Knife Position as a cause for Lumbar Plexus Neuropraxia. Mejia DM, Fung DA, **Davis TT**, Liu J. Principal Investigator – Investigator Initiated Study. Primary Author Research Grant from Medtronic
7. Lateral Decubitus Surgical Positioning: Pressure Points and Relation to Complications. Tatsumi R, **Davis TT**. Contributing Author.
8. Accurate Clinical Study: Dorsal Root Ganglion Neurostimulation for Lower Extremity Causalgia. Mejia DM, Fung DA, **Davis TT**. Principal Investigator – FDA Clinical Trial
9. The STEPS - Totalis™ Trial. Safety and Efficacy of Totalis™ Image Guided Lumbar Decompression for Neurogenic Claudication. **Davis TT**, Mejia DM, Wang K, Lee D, Fung DA, Hersel A, Bajaj A. Principal Investigator – FDA Clinical Trial
10. RELIEF - A Global Registry to Evaluate Long-Term Effectiveness of Neurostimulation Therapy for Pain. Mejia DM, Wang K, Lee D, Fung DA, **Davis TT**. Principal Investigator – FDA Clinical Trial
11. 105-14-0001: A Prospective, Multi-center, Randomized, Clinical Trial Evaluating the Safety and Effectiveness of Using Coolief™ Pain Management Cooled Radiofrequency Probe to Create Lesions of the Genicular Nerves and Comparing Corticosteroid Injection in the Management of Knee Pain. **Davis TT**, Fung DA, Wang K, Lee D. Principal Investigator – FDA Clinical Trial

12. The Oblique Corridor to the Lumbar Spine, Supine Versus Lateral Decubitus MRI Studies. **Davis TT**, Fung DA, Wang K, Lee D. Investigator Initiated.
13. Free Run EMG in Minimally Invasive Surgical Transforaminal Lumbar Interbody Fusion, Correlation with Post Operative Deficits. Wang K, Kim C, Tadlock S, **Davis TT**, Fung DA. Investigator Initiated.
14. Transpsoas Approach to Lumbar Fusion: A Review of Clinical Complications. **Davis TT**, Fung DA, Wang K, Lee D. Investigator Initiated.
15. APIC-CF Therapy for Mild to Moderate Osteoarthritis of the Knee. **Davis TT**, Fung DA, Fadadou P, Luu T. Principal Investigator – FDA Clinical Trial
16. A Novel Anchoring Technique for Permanent Spinal Cord Stimulation Placement. **Davis TT**, Fung D. Contributing Author
17. Study of Mesenchymal Precursor Cells (MPCs) in Subjects with Chronic Discogenic Lumbar Back Pain. Bae HW, **Davis TT**. Sub-Investigator – FDA Clinical Trial.
18. Lumbar Subcutaneous Peripheral Field Stimulation in Eleven Patients with Chronic Low Back Pain and/or Post Laminectomy Syndrome. Fung DA, Richeimer S, Carroll B, **Davis TT**. Contributing Author
19. Lumbar Discal Cyst Treated with Epidural Steroid Injection and Conservative Measures: A Case Report. Fung DA, Zirovich MD, **Davis TT**. Contributing Author
20. SMART Clinical Study: Surgical Multi-Center Assessment for Radiofrequency Ablation for the Treatment of Vertebrogenic Back Pain, **Davis TT**. Spine Research Foundation. Sub-Investigator – FDA Clinical Trial.
21. Bioness Stimrouter Neuromodulation System for Chronic Pain Therapy. Vahedifar P, **Davis TT**, Co-Principal Investigator – FDA Clinical Trial.
22. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadaveric Study. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. Spine Research Foundation, Santa Monica, CA. Principal Investigator - Investigator Initiated Anatomic Study. Primary Author
23. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. Day T, **Davis TT**, Bae HW, Rasouli A. Orthopedic Pain Specialists, Santa Monica, CA. Principal Investigator – Investigator Initiated Study. Contributing Author
24. The Variability of Electrical Resistance of Titanium Pedicle Screws: Hydroxyapatite Coated Versus Non-coated. **Davis TT**, Bernbeck JA, Fung DA, Alpha Diagnostics, Santa Monica, CA. Principal Investigator – Investigator Initiated Study. Primary Author
25. Neurophysiologic Monitoring of the Lumbar Plexus: A Peripheral Nerve Stimulation Model. **Davis TT**, Bae HW, Tadlock S. Alpha Diagnostics, Santa Monica, CA.
26. Neurophysiologic Monitoring of the Femoral Nerve During Transpsoas Access to the Lumbar Spine. **Davis TT**, Bae HW, Tadlock S. Alpha Diagnostics, Santa Monica, CA
27. GDF-5 Intradiscal Injection for Degenerative Disc Disease: Safety Study. **Davis TT**, Bae HW, Gupta N. Spine Research Foundation, Santa Monica. Sub-Investigator – FDA Clinical Trial
28. Dorsal Epidural Lipoma Resulting in Increased Impedence Measurements During Dorsal Column Stimulator Trial Placement: Case Study. **Davis TT**, Fung DA, Schulz C. Orthopedic Pain Specialists, Santa Monica, CA. Primary Author
29. Percutaneous Placement of Dorsal Column Stimulator in the Post-Surgical Scoliotic Spine. Case Series. **Davis TT**. Orthopedic Pain Specialists, Santa Monica, CA

30. Biostat Fibrin Sealant for Intervertebral Disc Degeneration: Multicenter Phase II Clinical Trial. **Davis TT**, Bae HW, Gupta N. Spine Research Foundation, Santa Monica. Principal Investigator – FDA Clinical Trial
31. Minimally Invasive Cervical Facet Fusion Technique for Neck Pain. **Davis TT**, Fung D
32. Neuromodulation in Achondroplasia, Challenges and Techniques. **Davis TT**, Fung D
33. IDET procedure for chronic discogenic low back pain. **Davis TT**, Delamarter, RB, Goldstein T, Spine Research Foundation, Santa Monica, CA. Primary Author
34. Osteogenic Protein-1 Intradiscal injection for Lumbar Degenerative Disc Disease. **Davis TT**, Bae HW. Spine Research Foundation, Santa Monica, CA. FDA Clinical Trial - Sub Investigator
35. Cervical Discitis: A Case Report. **Davis TT**, Tatsumi R, Kropf M. Spine Research Foundation, Santa Monica, CA. Primary Author
36. Marked improvement in patients treated with vertebroplasty after painful osteoporotic compression fractures. Bae HW, Kanim L, Gupta N, Kropf M, **Davis TT**, Delamarter RB. Spine Research Foundation, Santa Monica, CA. Contributing Author
37. Center of Mass Analysis in Diabetics with Peripheral Neuropathy and Trans-tibial Amputations. **Davis, TT**, UCLA Department of PM&R. Primary Author
38. The Effect of High Frequency Distraction on Soft Tissue During Limb Lengthening, Animal Model. Shilt J, **Davis TT**, Ochsner Medical Foundation. Research Associate
39. Arthroscopic Chondroplasty in Patellar Chondromalacia Van DeLune D, **Davis TT**, University of Missouri-Kansas City Orthopaedics, Research Associate

#### **EDUCATIONAL LECTURING**

1. Dorsal Root Ganglion Stimulator Placement at the L4-5 and L5-S1 Level. Dallas, TX. Jul 15-17, 2016
2. Dorsal Root Ganglion Stimulator Placement at the L4-5 and L5-S1 Level. Dallas, TX. May 19-21, 2016
3. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. San Jose, CA. Jul 7-9, 2016
4. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. San Jose, CA. Apr 15, 2016
5. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. Tampa Bay, FL. Dec 11-12, 2015
6. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. Dallas, TX. Sept 11-12, 2015
7. Intraoperative Neurophysiologic Monitoring. A Review of the Technology Available and Quality Measures to Assess Proper Utilization and Applications. Providence – Spine Tech and IOM Focus Group. July 23, 2015
8. Intraoperative Neurophysiologic Monitoring. A Review of the Technology Available and Quality Measures to Assess Proper Utilization and Applications. Providence – St John's Nursing Educational Lecture. July 22, 2015

9. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. Chicago, IL. Jun 26-27, 2015
10. Intraoperative Neurophysiologic Monitoing. A Review of the Technology Available and Quality Measures to Assess Proper Utilization and Applications. Providence – St John’s Surgical Committee. Jun 16, 2015
11. Musculoskeletal Injury Prevention for Women. Irene Dunne Guild. St Johns Hospital. Santa Monica, CA. May 13,2015
12. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. San Diego, CA. Mar 26-27, 2015
13. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. San Diego, CA. Mar 19, 2015
14. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. Cape Girardeau, MO. Nov 13, 2014
15. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. Boston, MA. Oct 20, 2014
16. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review . The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. St Louis, MO. Oct 17, 2014
17. Radiofrequency Lesion of Cervical and Lumbar Medial Branch (Facet Rhizotomy) for Treatment of Low Back Pain Related to Facet Arthritis. Irvine, CA. Sep 6, 2014
18. Radiofrequency Lesion of the Genicular Nerve for Painful Osteoarthritis. Irvine, CA. Sep 6, 2014
19. Vertebral Augmentation (Kyphoplasty) for Thoracic and Lumbar Compression Fractures. Irvine, CA. Sep 6, 2014
20. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review . The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. Minniapolis, MN. Aug 23, 2014
21. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. Indianapolis, IN. Aug 22, 2014
22. Denervation and Regeneration? Non-Surgical Options for Treatment of the Arthritic Knee. (Radiofrequency Denervation versus Biologic Treatments) PAIN, Jun 21, 2014
23. Biologics: Will Stem Cells Change Our Treatment Paradigm? (A Review of the 12 month Lumbar Disc Study & Beyond). PAIN, Jun 20, 2014
24. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, an Anatomic Review and Gross Anatomy Lab. Hartford, CN. Jul 18, 2014
25. Musculoskeletal Injuries in the Aging Male. The Irene Dunne Guild. Santa Monica, CA. June 12, 2014
26. The Lumbar Plexus and the Transpsaos Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. Salt Lake City, UT. Jun 6, 2014
27. Kyphoplasty for Painful Vertebral Compression Fractures. Irvine, CA. Apr 26, 2014
28. Radiofrequency Lesion of Cervical and Lumbar Medial Branch for Treatment of Low Back Pain Related to Facet Arthritis. Irvine, CA. Apr 26, 2014

29. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. San Diego, CA. Mar 21, 2014
30. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic Review. Jersey City, NJ. Jan 17, 2014
31. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, an Anatomic Review. Dallas, TX. Nov 15, 2013
32. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. The Oblique Lumbar Corridor, Anatomic and MRI. Miami, FL. Sep 6-7, 2013
33. The Lumbar Plexus and the Transpsoas Approach to the Lumbar Spine. The Oblique lumbar corridor, Anatomic and Neurophysiologic Review. Las Vegas, NV. Jun 21-22, 2013
34. Radiofrequency Lesion of Cervical and Lumbar Medial Branch for Treatment of Low Back Pain Related to Facet Arthritis. Las Vegas, NV. Apr 27, 2013
35. Kyphoplasty for Painful Vertebral Compression Fractures. Las Vegas, NV. Apr 27, 2013
36. Minimally Invasive Lumbar Decompression (Prospective Studies of Efficacy and Safety), Advancing Interventional Pain Treatment through Ultra-Minimally Invasive Spinal Solutions. American Academy of Pain Medicine Annual Meeting. Fort Lauderdale, FL. Apr 12, 2013
37. Minimally Invasive Spine Care: Intradiscal Biologics. Manhattan Beach, CA Mar 18, 2013
38. Spinal Cord Stimulation for Chronic Neuropathic Pain. 12<sup>th</sup> Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, NV Feb 1, 2013
39. Electrophysiology of the Transpsoas Approach: Intraoperative Neurophysiologic Monitoring as a Tool in Surgery. San Jose, CA Nov 4, 2012
40. The Oblique lumbar corridor, an Anatomic Review and Gross Anatomy Lab. San Jose, CA Nov 4, 2012
41. The Lumbar Plexus and the Transpsoas Approach, an Anatomic Review and Gross Anatomy Lab. San Jose, CA Nov 3, 2012
42. The Oblique lumbar corridor, an Anatomic, Neurophysiologic Review. Dallas, TX Oct 24, 2012
43. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. Dallas, TX Oct 23, 2012
44. Conservative Management of Low Back Pain: Spinal Cord Stimulation, Kyphoplasty, and Fibrin Sealant. Cedars Sinai, State of the Art Spine Conference. Los Angeles, CA Sep 29, 2012
45. Neuromodulation for Chronic Spine and Neurogenic Limb Pain. St Johns Post Graduate Assembly. Santa Monica, CA Sep 15, 2012
46. Fibrin Sealant for Axial Low Back Pain due to Degenerative Disc Disease: A Research Update on the Biostat Study. St Johns Post Graduate Assembly. Santa Monica, CA Sep 15, 2012
47. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. Denver, CO Aug 25, 2012
48. The Lumbar Plexus and the Transpsoas Approach, an Anatomic and Neurophysiologic Review. Denver, CO Aug 25, 2012

49. Neurological Complications Associated with Spinal Interventions: Patterns of Injury, Anatomy and Avoidance. Way Yin MD, Frank Willard PhD, Timothy Davis MD. North American Spine Society, Spine Across the Sea. Kauai, HI Aug 1, 2012
50. Intradiscal Biologics and Stem Cell Therapies for Spinal Disorders. Becker's 9<sup>th</sup> Annual Orthopaedic, Spine and Pain Management-Driven ASC Conference. Chicago IL Jun 16, 2012
51. Intraoperative Monitoring in the Ambulatory Surgical Center, The Science and Economics. Becker's 9<sup>th</sup> Annual Orthopaedic, Spine and Pain Management-Driven ASC Conference. Chicago IL Jun 15, 2012
52. The Lumbar Plexus and the Transpoas Approach, an Anatomic and Neurophysiologic Review. Memphis, TN Mar 30, 2012
53. Pain Management and Interventional Techniques-Moderator. Cedars Sinai 11<sup>th</sup> Annual Symposium on Spinal Disorders. Las Vegas, NV Feb 4, 2012
54. The Lumbar Plexus and the Transpoas Approach, an Anatomic and Neurophysiologic Review. Great Falls, MT Feb 9, 2012
55. The Lumbar Plexus and the Transpoas Approach, an Advanced Anatomic and Neurophysiologic Review. Miami, FL Feb 17-18, 2012
56. Epiducer Access to the Epidural Space for Multi Lead Configuration and Case Studies. Plano, TX. Nov 6, 2011
57. Epiducer Access to the Epidural Space for Multi Lead Configuration and Case Studies. Plano, TX. Nov 5, 2011
58. Neuroanatomy and Neurophysiology as it Applies to the Transpoas Approach. Sunnyvale, CA Oct 14, 2011
59. Advanced Neuroanatomy and Neurophysiology as it Applies to the Transpoas Approach. Sunnyvale, CA Oct 13, 2011
60. Minimally Invasive Treatments for the Ageing Spine. Saint Johns Foundation, Riviera Country Club, Pacific Palisades, CA. Oct 6, 2011
61. Neurologic and Vascular Anatomy and the Oblique Approach to the Lumbar Spine, TN Sep 29, 2011
62. The Lumbar Plexus and the Transpoas Approach, an Anatomic and Neurophysiologic Review. Bloomfield, CO Aug 26, 2011
63. Electricity as a Medical Modality: A Historic Review and Current Techniques of Neuromodulation. Cedars Sinai Chiropractor and Acupuncturist Spine Conference. Los Angeles, CA Jun 8, 2011
64. Anatomy and Neurophysiology applications to the Transpoas Surgical approach to the Lumbar Spine. Scottsdale, AZ Apr 15, 2011
65. Anatomy and Neurophysiology applications to the Transpoas Surgical approach to the Lumbar Spine. Indianapolis, IN Mar 16, 2011
66. Anatomy and Neurophysiology applications to the Transpoas Surgical approach to the Lumbar Spine. Introduction to DLIF Surgical Approach. Miami, FL Feb 26, 2011
67. Anatomy and Neurophysiology applications to the Transpoas Surgical approach to the Lumbar Spine. Introduction to DLIF Surgical Approach. San Jose, CA Jan 20, 2011

68. Anatomy and Neurophysiology applications to the Transpsoas Surgical approach to the Lumbar Spine. Introduction to DLIF Surgical Approach. San Diego, CA Jan 13, 2011
69. Anatomy and Neurophysiology applications to the Transpsoas Surgical approach to the Lumbar Spine. Introduction to DLIF Surgical Approach. Jersey City, NJ Dec 11, 2010
70. A Review of Degenerative Disc Disease: Basic Science and Clinical Study Protocol for Biostat Fibrin Sealant. Santa Monica, CA Sep 28, 2010
71. A Review of Degenerative Disc Disease: Basic Science and Clinical Study Protocol for Biostat Fibrin Sealant. Santa Monica, CA Oct 28, 2010
72. Anatomy and Neurophysiology applications to the Transpsoas Surgical approach to the Lumbar Spine. North American Spine Society. Orlando, FL Oct 5, 2010
73. Spinal Cord Stimulation as a Treatment for Neuropathic Pain: Counterpoint, North American Spine Society. Orlando, FL Oct 5, 2010
74. Anatomy and Neurophysiology applications to the Transpsoas Surgical approach to the Lumbar Spine. Introduction to DLIF Surgical Approach. St Louis, MO Sep 11, 2010
75. Intradiscal Biologics for Discogenic Low Back Pain: The Future of Spine Care. Saint John's Health Center Foundation Guest Lecture. Santa Monica, CA Aug 4, 2010
76. The Transpsoas Approach and the Lumbar Plexus: An Anatomic and Neurophysiologic Review. Cedars Sinai Spine Conference. Los Angeles, CA May 15, 2010
77. Diagnosis and Treatment of Low Back Pain. Cedars Sinai Department of Neurological Surgery CME Course for Primary Care Givers. Marina Del Rey, CA. Feb 21, 2010
78. Diagnosis and Minimally Invasive Treatments of the Lumbar Spine. Cedars Sinai Community Lecture, Los Angeles, CA Oct 27, 2009
79. Advanced Topics in Neuromodulation: Patient Selection and Considerations. San Diego, CA. Sep 19, 2009
80. Techniques and Strategies in Neuromodulation: Device Selection and Implantation. Chicago, IL. Jul 24-26, 2009
81. Techniques and Strategies in Neuromodulation: Neuromodulation in the Post Laminectomy Scenario, and Keys to Success. Henderson, NV. Jan 10, 2009
82. Techniques and Strategies in Neuromodulation: Pre and Post-Operative Considerations. Irvine, CA. Dec 13, 2008
83. Neuromodulation for Chronic Neuropathic Limb Pain: Patient Selection and Clinical Applications. San Diego, CA. Nov 12, 2008
84. Dorsal Column Stimulation: Neurophysiology and Implant Selection. Toronto, Canada. Oct 16, 2008
85. Low Back Pain: Diagnosis and Treatment. Saint Johns Health Center, Santa Monica, CA. Community Forum Nov 11, 2005
86. Treatment of Post-Herpetic Neuralgia. Los Angeles, CA. Nov 13, 2002.
87. Treatment of Post-Herpetic Neuralgia. Bakersfield, CA. Oct 17, 2002.
88. Osteoarthritis and the use of Cox 2 Inhibitors. Los Angeles, CA. Oct 9, 2002.

89. Use of Cox2 Specific Inhibitors in Osteoarthritis. Santa Rosa, CA. Sep 24, 2002.
90. The Diagnosis and Treatment of Low Back Pain. Anaheim, CA. Sep 12, 2002.
91. Use of Cox2 Specific Inhibitors in Osteoarthritis. Los Angeles, CA Jul 31, 2002.
92. Conservative Management of Low Back Pain. Saint John' Health Center, Santa Monica, CA, Saint John's Health Center - Back Talk Forum. Nov 2, 2000.

#### **CHARITABLE AND VOLUNTEER CLINICAL**

- [Ryan Nece Foundation](#)
- [Santa Monica Firefighters Relief Fund](#)
- [St Johns Health Center Foundation](#)
- [VCA Charities](#)
- [Heal The Bay](#)
- [Surfrider Foundation](#)
- [Friends for Pets](#)
- [Amy Biehl Foundation](#)
- [Team to Win Foundation](#)
- [Disabled Veteran's Winter Sports Clinic](#)

#### **DISCLOSURES**

- Alpha Diagnostics (Neurodiagnostics) – Owner, Chief Executive Officer
- Broadway Surgical Institute (Surgery Center) – Shareholder, Board of Directors
- Medtronic - Educational Speaker, Advisory Board
- St Jude – Educational Speaker, Consultant
- DrChrono – Consultant
- Tenex Health – Consultant, Educational Speaker
- Halyard Health – Consultant, Publication Steering Committee
- Biostar – Research – JointStem FDA clinical Trial
- Paradigm Spine Shareholder
- Prosidyan - Shareholder
- Stryker - Educational Speaker, Product Advisory Panel, Common Stock
- Vertiflex - Product Advisory Panel, Educational Speaker, Research Advisory Panel