

CURRICULUM VITAE



Timothy T. Davis MD

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BIRTHDATE

July 28, 1971

BIRTHPLACE

St. Charles, Missouri

UNDERGRADUATE EDUCATION

School of the Osage, High School, graduated May 1989.

1989-90 University of Missouri-Kansas City, School of Architecture. Kansas City, Missouri.

MEDICAL SCHOOL

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

POSTGRADUATE TRAINING

1996-1997 Surgical Internship, Ochsner Medical Foundation, New Orleans, Louisiana

1997-2000 Physical Medicine and Rehabilitation Residency, UCLA Medical Center, West Los Angeles VA

HOSPITAL APPOINTMENTS

Nov 2000 Director of Physical Medicine and Rehabilitation, Electrodiagnostics, and Interventional Pain Medicine-The Spine Institute Santa Monica, CA.

Apr 2001 St John's Health Center, Santa Monica, California

Feb 2009 Cedars Sinai, Los Angeles, California

PROFESSIONAL SOCIETY AFFILIATIONS

American Academy of Physical Medicine and Rehabilitation

North American Spine Society

American Academy of Pain Medicine

LICENSURE AND CERTIFICATION

Diplomat - National Board of Medical Examiners

California State Medical Board

Louisiana State Medical Board

Diplomat, American Board of Physical Medicine and Rehabilitation

Fellow, American Academy of Physical Medicine and Rehabilitation

Fluoroscopy X-ray Supervisor and Operator, State of California

Qualified Medical Examiner, Industrial Medical Council, State of California

Diplomat, American Board of Pain Medicine

Diplomat, American Board of Neurophysiologic Monitoring

PUBLICATIONS

1. **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*, 6/00.
2. **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.
3. **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

PRESENTATIONS

1. **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 5/99.
2. **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, Indiana, May 2000.
3. **Davis, TT**, Delamarter RB, Goldstein T. The IDET Procedure for Discogenic Low Back Pain. Podium Presentation, North American Spine Society, Seattle, WA November 2001.
4. **Davis, TT**, Delamarter RB, Goldstein T. The IDET Procedure for Discogenic Low Back Pain. Podium Presentation, American Academy of Orthopaedics Surgeons. Dallas, Texas February 2002.
5. **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, Ohio May 2002.
6. **Davis TT**, Bae HW, Sikorsky M, Fischgrund J. A Phase 1 Safety Study of Intradiskal Osteogenic Protein-1 Injection in Patients with Lumbar Degenerative Disk Disease. Poster Presentation, American Academy of Physical Medicine and Rehabilitation. Boston, Massachusetts. September 27-30, 2007
7. 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, Hawaii. July 27, 2008
8. 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, Hawaii. July 27, 2008
9. 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, Hawaii July, 30 2009
10. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study. Spine Center Grand Round, Cedars Sinai. Los Angeles, California November 4, 2009
11. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study. Best Paper Category Podium Presentation. North American Spine Society – Annual Assembly. San Francisco, California. November 12, 2009
12. **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, California. November 12, 2009

13. **Davis TT** The Lateral Approach Anatomy and Neuromonitoring. Cedars Spine Center-9th Annual Symposium on Current Concepts in Spinal Disorders. Las Vegas, Nevada. February 4-6, 2010.
14. **Davis TT**, Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Accepted for Poster Presentation. American Association of Neurological Surgeons. Orlando, Florida. February 17-20, 2010
15. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study. Accepted for Podium Presentation. American Academy of Orthopaedic Surgeons, March, 2010.
16. **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. Accepted for Poster Presentation. American Academy of Orthopaedic Surgeons, March, 2010.
17. **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 Cadavaric Study. Accepted for Podium Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. April 13-17, 2010
18. **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. Accepted for Poster Presentation. International Society for Study of the Lumbar Spine. Auckland, New Zealand. April 13-17, 2010
19. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study. Accepted for Podium Presentation. Spine Arthroplasty Society. New Orleans, Louisiana. April 27-May 1, 2010
20. **Davis TT**, Vatave A, Patla J, Bernbeck J, Delamarter BR, Bae HW. Pedicle Screw Electrical Resistance: Hydroxyapatite Coated versus Non-Coated. Accepted for Poster Presentation. American Association of Neurological Surgeons. Philadelphia, Pennsylvania. May 1-5, 2010
21. **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. Accepted for Poster Presentation. American Association of Neurological Surgeons. Philadelphia, Pennsylvania. May 1-5, 2010
22. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study. Accepted for Poster Presentation. American Association of Neurological Surgeons. Philadelphia, Pennsylvania. May 1-5, 2010

RESEARCH

1. Arthroscopic Chondroplasty in Patellar Chondromalacia Van DeLune D, **Davis TT**, University of Missouri-Kansas City Orthopaedics, 10/96.
2. The Effect of High Frequency Distraction on Soft Tissue During Limb Lengthening, Animal Model. Shilt J, **Davis TT**, Ochsner Medical Foundation, 7/97.
3. Center of Mass Analysis in Diabetics with Peripheral Neuropathy and Trans-tibial Amputations. **Davis, TT**, UCLA Department of PM&R. Presented at UCLA PM&R Research Days 5/99.
4. IDET procedure for chronic discogenic low back pain. **Davis TT**, Delamarter, RB, Goldstein T, The Spine Institute, Santa Monica , 6/01
5. Osteogenic Protein-1 intradiscal injection for Lumbar Degenerative Disc Disease. **Davis TT**, Bae HW. The Spine Institute, Santa Monica, CA 5/07-Present
6. Cervical Discitis: A Case Report. **Davis TT**, Tatsumi R, Kropf M. The Spine Institute, Santa Monica, CA 04/08
7. The Lumbosacral Plexus and The TransPsoas Approach to the Intervertebral Disc Space: A Cadavaric Study.

Davis TT, Bae HW, Delamarter RB, Rasouli A. The Spine Institute, Santa Monica, CA.

8. Femoral Neurogram to Assess the Course Prior to TransPsoas Spinal Access at the L4-5 Intervertebral Disc Space. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Spine Institute, Santa Monica, CA.
9. The Variability of Electrical Resistance of Titanium Pedicle Screws: Hydroxyapatite Coated Versus Non-coated. **Davis TT**, Bernbeck JA, Rasouli A, Vatave A, Achrekar P, Bae HW.
10. Neurophysiologic Monitoring of the Lumbar Plexus: A Peripheral Nerve Stimulation Model. **Davis TT**, Bae HW, Delamarter RB, Rasouli A. The Spine Institute, Santa Monica, CA. Ongoing
11. Neurophysiologic Monitoring of the Femoral Nerve During Transpsoas Access to the Lumbar Spine. **Davis TT**, Bae HW. The Spine Institute, Santa Monica. Ongoing
12. GDF-5 Intradiscal Injection for Degenerative Disc Disease: Safety Study. **Davis TT**, Bae HW, Delamarter RB. Ongoing
13. Dorsal Epidural Lipoma Resulting in Increased Impedence Measurements During Dorsal Column Stimulator Trial Placement: Case Study. **Davis TT**. Ongoing

GUEST LECTURING

1. Conservative Management of Low Back Pain. Saint John' Health Center, Santa Monica, CA, Saint John's Health Center - Back Talk Forum. November 2, 2000.
2. Use of Cox2 Specific Inhibitors in Osteoarthritis. Los Angeles, CA July 31, 2002.
3. The Diagnosis and Treatment of Low Back Pain. Anaheim, CA. September 12, 2002.
4. Use of Cox2 Specific Inhibitors in Osteoarthritis. Santa Rosa, CA. September 24, 2002.
5. Osteoarthritis and the use of Cox 2 Inhibitors. Los Angeles, CA. October 9, 2002.
6. Treatment of Post-Herpetic Neuralgia. Bakersfield, CA. October 17, 2002.
7. Gabapentin in Treatment of Post-Herpetic Neuralgia. Los Angeles, CA. November 13, 2002.
8. Low Back Pain: Diagnosis and Treatment. Saint Johns Health Center, Santa Monica, CA. Community Forum November 11, 2005
9. Dorsal Column Stimulation: Neurophysiology and Implant Selection. Toronto, Canada. October 16, 2008
10. Neuromodulation for Chronic Neuropathic Limb Pain: Patient Selection and Clinical Applications. San Diego, CA. November 12, 2008
11. Techniques and Strategies in Neuromodulation: Pre and Post-Operative Considerations. Irvine, CA. December 13, 2008
12. Techniques and Strategies in Neuomodulation: Neuomodulation in the Post Laminectomy Scenario, and Keys to Success. Henderson, NV. January 10, 2009
13. Techniques and Strategies in Neuomodulation: Device Selection and Implantation. Chicago, IL. July 24-26, 2009
14. Advanced Topics in Neuomodulation: Patient Selection and Considerations. San Diego, CA. September 19, 2009
15. Diagnosis and Minimally Invasive Treatments of the Lumbar Spine. Cedars Sinai Community Lecture, Los Angeles, CA October 27, 2009

VOLUNTEER CLINICAL WORK

- Disabled Veteran's Winter Sports Clinic -Crested Butte, CO.
- Team to Win Foundation - Sports Medicine Clinics
- NBC-Winter Gravity Games - Mammoth Lakes, California
- Vans Triple Crown - Freestyle Moto-Cross, Anaheim Pond
- Disabled Veteran's Winter Sports Clinic -Crested Butte, CO.
- NBC-Summer Gravity Games - Providence, Rhode Island
- North Torrance, & Westchester High School Football
- Blue and Gold National Invitational Boxing Tournament - Baldwin Park, California - Fight Doctor
- Maikai/Red Bull - 7's in the Sand Rugby - Hermosa Beach, California -Tournament Physician
- Golden Gloves Boxing - Los Angeles, California - Fight Doctor
- South Bay Police Department Football, Blue Knights
- Los Angeles Police Department Football, Centurions
- IHL - Long Beach Ice Dogs Hockey
- Venice High School Football
- Team to Win Foundation - High school sports preseason physicals, Summer
- Corel/WTA, Acura Classic Tennis Tournament