

CURRICULUM VITAE

TODD HOPKINS LANMAN, M.D., F.A.C.S.

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Hospital Appointments

1983-Present	UCLA MEDICAL CENTER <i>Los Angeles, CA</i>	Assistant Clinical Professor
1989-Present	CEDARS-SINAI MEDICAL CENTER <i>Los Angeles, CA</i>	Staff Neurosurgeon 1994-1996 Clinical Chief of Neurosurgery
2008-Present	SAINT JOHN'S MEDICAL CENTER <i>Santa Monica, CA</i>	Staff Neurosurgeon
2012-Present	MIRACLE MILE MEDICAL CENTER <i>Los Angeles, CA</i>	Staff Neurosurgeon
2005-2008	CENTURY CITY DOCTORS HOSPITAL <i>Los Angeles, CA</i>	Chief of Neurosurgery Director of Spine Surgery Board of Governors

Education and Training

1/1/89-12/31/89	University of California at Los Angeles Chief Resident VII	Neurological Surgery Director: Donald Becker, MD
7/1/88-12/31/88	University of California at Los Angeles Resident VI	Neurological Surgery Director: Donald Becker, MD
1/1/85-6/30/88	University of California at Los Angeles Resident II-V	Neurological Surgery Director: W.Eugene Stern, MD
6/24/83-12/31/84	University of California at Los Angeles	Surgery Internship Director: W.Eugene Stern, MD
8/12/79-6/18/83	Northwestern University (Chicago, IL)	Doctor of Medicine
9/1/75-12/15/78	Colorado State University (Fort Collins, CO)	Bachelor of Science Physical Science/Chemistry

Honors

Alpha Omega Alpha - Northwestern University School of Medicine

Phi Beta Kappa - Undergraduate Honor Society

Phi Eta Sigma- Undergraduate Freshman Honor Society

Phi Kappa Phi- Undergraduate Honor Society

Certification and Licensure

1993-present Diplomat (#93114), American Board of Neurological Surgery(#93114)

1983-present License (#A40938), State of California

1984-present License (#AL2696043), Drug Enforcement Agency

Professional Affiliations

Fellow, American College of Surgeons

California Association of Neurological Surgeons

American Association of Neurological Surgeons

International Society for the Advancement of

Congress of Neurological Surgeons

Spine Surgery

North American Spine Society

Association of Clinical Research Professionals

Martial Arts

Dux RyuNinjitsu – 5th degree black belt (Shihan Master) under Grandmaster Frank Dux

American Eagle – 2nd degree black belt (Honorary) under Grandmaster Clifford Crandall

Tae Kwan Do – 1st degree black belt under Shidoshi PacoPrieto

Presentations

“Prestige LP 2-Level Cervical Arthroplasty IDE 60-month Clinical Data.” Speaker - Todd Lanman, M.D., F.A.C.S., ISASS15 - 15th Annual Conference, San Diego, CA. Wednesday, April 15, 2015.

“Prestige LP 2-Level Cervical Arthroplasty IDE 24-month Clinical Data.” Speaker - Todd Lanman, M.D., F.A.C.S., Cedars-Sinai 14th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV. Saturday, January 31, 2015.

“Semi-Rigid Posterior Fixation: PEEK Rod Design Rationale and Use.” Speaker- S.M. Kurtz, Presentation By Todd Lanman, M.D., F.A.C.S., Drexel University School of Medicine, Philadelphia, PA. April 26, 2013.

“Prestige LP 2-Level Cervical Disc Arthroplasty: 3 Year Clinical Results from 6 Centers in a Prospective Randomized IDE Trial.” Speaker- Todd Lanman, M.D., F.A.C.S., Spine Arthroplasty Society, Las Vegas, NV. April 2011.

“Outcomes on Various Complex Lumbar Spine Revisions, Case Study Presentations.” Speaker- Todd Lanman, M.D., F.A.C.S., Cedars Sinai 10th Annual Symposium on Current Concepts in Spinal Disorders, Las Vegas, NV. February 2011.

“Evaluation of Polyethyleneterephthalate (PET) Cords from Retrieved Posterior Dynamic Stabilization Systems.” Speaker- S.M. Kurtz, Data set included Todd Lanman, M.D., F.A.C.S. Spine Arthroplasty Society, New Orleans, LA. April 2010.

“Prestige LP 2-Level Cervical Disc Arthroplasty: One Year Clinical Results from 6 Centers in a Prospective Randomized IDE Trial.” Speaker- Todd Lanman, M.D., F.A.C.S., American Association of Neurological Surgery. San Diego, CA. May 2009.

“Cervical Hybrid Arthroplasty: Lifestyles Outcomes Analysis.” P.Pazmino, C. Laurysen, T.H.Lanman, A. Farin, S. Murphy, Q. Qaqi. Spine Arthroplasty Society. London, UK. April 2009.

“Early Clinical Experience with Semi-Rigid (CD Horizon Legacy PEEK Rod) Posterior Instrumentation in Lumbar Fusion.” R. Nockels, T.H.Lanman, M. Gornet, H. Mathews. American Association of Neurological Surgery. Washington DC. March, 2007.

“Mechanical, Biomechanical and Biocompatibility Evaluation of a PEEK Rod Based Pedicle Screw System.” M. Gornet, H. Mathews, R. Nockels, T.H.Lanman, A. Parwardhan, E.H. Sanders, J. Dewey, M. Veldman, C. Patterson. American Association of Neurological Surgery. Washington DC. March, 2007.

“Lumbar Stabilization with PEEK Rod System.” T.H.Lanman, H. Mathews, M. Gornet. North American Spine Society. Philadelphia, PA. September 29, 2005.

“Anterior Cervical Spine Fusion using Bioresorbable Interbody Spacers and rhBMP-2.” T.H.Lanman, T. Goldstein, T. Hopkins. North American Spine Society. Chicago, IL. October 29, 2004.

“Minimal Access Lumbar Spine Fusion using Biosresorbable Interbody Spacers and rhBMP-2.” T.H.Lanman, T. Goldstein, T. Hopkins. North American Spine Society. Chicago, IL. October 27 2004.

“Transforaminal Lumbar Interbody Fixation- Open and Minimally Invasive Techniques.” T.H.Lanman. Indianapolis, IN. September 17-18, 2004.

“Microendoscopic TLIF with Bone Morphogenic Protein: Techniques and Early Results.” T.H.Lanman. Meeting on Advanced Spine Techniques. Denver, CO. November 8, 2003.

“Minimal Access TLIF, Endoscopic Pedicle Screws, and Posterolateral Fusion with Bone Morphogenic Protein: Techniques and Early Results.” T.H.Lanman. International Meeting on Advanced Spine Techniques IMAST. Rome, Italy. July 12, 2003.

“Minimally Invasive Use of METRx X Tube for Lumbar Decompression.” M. Smith, T.H. Lanman, K. Foley. International Meeting on Advanced Spine Techniques IMAST. Rome, Italy. July 11, 2003.

“Lumbar 5-Sacral 1 Spondylolisthesis: Patient Selection Criteria and Technique Selection.” T.H. Lanman, P. Mummaneni. Global Spine: Surgical Principles and Latest Techniques. Laguna Niguel-Dana Point, California, June 29, 2003.

“Lumbar Degenerative-Fusion Techniques: Mini Open Transforaminal Lumbar Interbody Fusion.” T.H. Lanman, P. Mummaneni. Global Spine: Surgical Principles and Latest Techniques. Laguna Niguel-Dana

Point, California, June 29,2003.

“Lumbar Degenerative-Anterior Approach Circumferential Fusion.” C. Shaffrey, T.H. Lanman, J. Wang, B. Mathern. Global Spine: Surgical Principles and Latest Techniques. Laguna Niguel-Dana Point, California, June 28,2003.

“Lumbar Degenerative-Posterior Circumferential Fusion-Transforaminal Lumbar Interbody Fusion/Posterior Lumbar Interbody Fusion.”T.H. Lanman, J. Alexander ,G. Frey. Global Spine: Surgical Principles and Latest Techniques. Laguna Niguel-Dana Point, California. June 27,2003.

“Minimal Access Lumbar Spinal Fusion with Bone Morphogenic Protein, Hydrosorb Copolymer and Pedicle Screw Fixation.” Lumbar Minimal Access Spine Course. Phoenix, Arizona.February, 2003.

“Removal of Intradiscal Screws Relieves Neck Pain.” D. McBride, T.H.Lanman, J. P. Johnson. LendeWinter Neurosurgery Conference. Salt Lake City, Utah. February, 2001.

“Chronic Cervical Spine Pain Associated with Intradiscal Screws.” D. McBride, T.H.Lanman, J.P. Johnson, N. Patel.Cervical Spine Research Society. Monterey, CA. November-December, 2001; American Association of Neurological Surgeons. Chicago, IL.April, 2002.

“A New Mechanical Spinal Cord Injury Model: Its Biomechanical and Histological Study.” T.H.Lanman, I.T. Armstrong, W. Subin, G.J. Marshall, J.F. Liu, Z. Wei. 14th Annual AANS/CNS Joint Section.Rancho Mirage,CA. February 11, 1998.

“Translabyrinthine Removal of Large Acoustic Neuromas-A Review of 194 Cases.” T.H. Lanman, W. Slattery, W. Subin, D.J. Brackmann, W.E. Hitselberger. Western Neurosurgical Society.Ojai, CA. September 23, 1997; Congress of Neurological Surgeons. New Orleans, LA. October 1, 1997; North American Skull Base Society. Kamuela, HI. February 16,1998.

“Stereotactic Biopsy of Primary CNS Lymphomas in Seventy Four Patients with AIDS.” T.H.Lanman, W. Subin, I.T. Armstrong, A.C. Tierney. Congress of Neurological Surgeons- New Orleans, LA.October 1, 1997;AANS 66th Annual Meeting. Philadelphia, PA. April 25,1998

“Stereotactic Biopsy of Cerebral Lesions in 150 Patients with AIDS.” T.H. Lanman, A.C. Tierney, W. Subin
.Congress of Neurological Surgeons.New Orleans, LA. October 1, 1997.

“Taking Charge: Managed Care and Neurological Surgeons.” T.H. Lanman. The Western Neurosurgical
Society. Lanai, HI. September 17, 1996.

“Relief of Headache by Cranioplasty after Skull Base Surgery.” T.H. Lanman, B.L. Fetterman, JW House.
North American Skull Base Society, International Skull Base Congress.San Diego, CA July 3, 1996.

"Encephalic Vascular Malformations - A Clinicopathological Study." T.H. Lanman, H.V. Vinters, N.A.
Martin. AANS 57th Annual Meeting. Washington, DC. April 3, 1989.

"The Pathology of Encephalic Arteriovenous Malformations Treated by Prior Embolotherapy." T.H.
Lanman, H.V. Vinters, N.A. Martin.63rd Annual Meeting of the American Association of
Neuropathologists.Seattle, WA. June 13, 1987.

"The Physiologic Comparison of CO2 Laser and Bipolar Lesions in Cat Cerebral Cortex." T.H. Lanman, L.J.
Cerullo. Congress on Laser Neurosurgery.Chicago, IL. September 24, 1982.

Publications

Academic Journal Articles

1. Veruva SY, Lanman TH, Isaza JE, Freeman TA, Kurtz SM, Steinbeck MJ. Periprosthetic UHMWPE
Wear Debris Induces Inflammation, Vascularization, and Innervation After Total Disc Replacement
in the Lumbar Spine. Clin Orthop Relat Res. 2016 Aug 3. PMID: 27488379
2. Veruva SY, Lanman TH, Isaza JE, MacDonald DW, Kurtz SM, Steinbeck MJ. UHMWPE wear
debris and tissue reactions are reduced for contemporary designs of lumbar total disc replacements.
Clin Orthop Relat Res. 2015 Mar;473(3):987-98. PMID: 25367112
3. Veruva SY, Lanman TH, Hanzlik JA, Kurtz SM, Steinbeck MJ. Rare complications of osteolysis and
periprosthetic tissue reactions after hybrid and non-hybrid total disc replacement. Eur Spine J. 2015
May;24 Suppl 4:S494-501. PMID: 25163549
4. Kurtz SM, Lanman TH, Higgs G, Macdonald DW, Berven SH, Isaza JE, Phillips E, Steinbeck MJ.
Retrieval analysis of PEEK rods for posterior fusion and motion preservation. Eur Spine J. 2013
Dec;22(12):2752-9. PMID: 23887771

5. Gornet MF, Chan FW, Coleman JC, Murrell B, Nockles RP, Taylor BA, Lanman TH, Ochoa JA. "Biomechanical Assessment of a PEEK Rod System for Semi-Rigid Fixation of Lumbar Fusion Constructs." *Journal of Biomechanical Engineering*, 133(8): 081009. August 2011.
6. Leary SP, Regan JJ, Lanman TH, Wagner WH. Revision and explantation strategies involving the CHARITE lumbar artificial disc replacement. *Spine (Phila Pa 1976)*. 2007 Apr 20;32(9):1001-11. PMID: 17450076
7. Wagner WH, Regan JJ, Leary SP, Lanman TH, Johnson JP, Rao RK, Cossman DV. "Revision and Explanation Strategies Involving the CHARITE Lumbar Artificial Disc Replacement." *Spine*, 32(9): 1001-1011. April 2007.
8. Wagner WH, Regan JJ, Leary SP, Lanman TH, Johnson JP, Rao RK, Cossman DV. "Access Strategies for Revision and Explanation of the CHARITE Lumbar Artificial Disc Replacement." *Journal of Vascular Surgery*, 44(6): 1001-1011. December 2006.
9. Lanman TH, Hopkins TJ. "Lumbar Interbody Fusion After Treatment With Recombinant Human Bone Morphogenic Protein-2 Added to 70:30 Poly (L-lactide-co-D,L-lactide) Bioresorbable Implants." *Neurosurgery Focus*, 16(3): E9. March 2004.
10. Lanman TH, Hopkins TJ. "Early findings in a pilot study of anterior cervical interbody fusion in which recombinant human bone morphogenetic protein-2 was used with poly(L-lactide-co-D,L-lactide) bioabsorbable implants." *Neurosurgical Focus*, 16(3): 1-5. March 2004.
11. Iezza G, Loh C, Lanman TH, Yong WH. "June 2003: 33-year-old male with a Frontal Lobe Mass." *Brain Pathology*, 13(4): 643-645. October 2003.
12. Mummaneni PV, Haid RW, Lanman TH, Rodts GE. "Transforaminal Lumbar Interbody Fusion: Technical Advances." *Contemporary Neurosurgery*, 25(13):1-8. June 2003.
13. Lanman TH, Slattery W, Brackmann DJ, Hitselberger WE. "Report of 190 consecutive cases of large acoustic tumors (vestibular schwannoma) removed via the translabyrinthine approach." *Journal of Neurosurgery*, 90(4):617-623. April 1999.

14. Fetterman BL, Lanman TH, House JW. "Relief of Headache by Cranioplasty After Skull Base Surgery." *Journal of Skull Base Surgery*, 7(1): 1-4. January 1997.
15. Roberson JB, Brackmann DE, Hitselberger WE, House JW, Lanman TH. "Acute Postoperative Hydrocephalus Following Translabyrinthine Craniotomy for Acoustic Neuroma Resection." *Journal of Skull Base Surgery*, 5 (3): 143-148. July 1995.
16. Som PM, Schatz CJ, Flaum EG, Lanman TH. "Aneurysmal Bone Cyst of the Paranasal Sinuses Associated with Fibrous Dysplasia: CT and MRI Findings." *Journal of Computer Assisted Tomography*, 15(3): 513-515. May 1991.
17. Spickler E, Lufkin R, Teresi L, Lanman TH, Levesque M, Bentson J. "High Signal Intraventricular Cysticercosis on T1 Weighted MR Imaging." *American Journal of Neuroradiology*, 11(1): S64. September-October 1989.
- 18.** Lanman TH, Martin NA, Vinters, HV. "The Pathology of Encephalic Arteriovenous Malformations Treated by Prior Embolotherapy." *American Journal of Neuroradiology*, 30: 1-10. February 1988.
19. Feuerman TA, Wackym PA, Gade G, Lanman TH, Becker DP. "Intraoperative Development of Contralateral Epidural Hematoma during Evacuation of Traumatic Extraaxial Hematoma." *Neurosurgery* 23(4): 480-483. October 1988.

Conference Papers

1. P. Pazmiño, T.H. Lanman, J.J. Regan. "Outcomes Analysis of Lumbar Hybrid Disc Arthroplasty" CNS/AANS Joint Section on Spine Annual Meeting. 2008. Orlando, FL.
2. P. Pazmiño, T.H. Lanman, J.J. Regan. Outcomes Analysis of Lumbar Hybrid Disc Arthroplasty. Spine Arthroplasty Society Annual Meeting. May 6-9, 2008. Miami, FL.
3. P. Pazmiño, T.H. Lanman, J.J. Regan. "Outcomes Analysis of Hybrid Disc Arthroplasty With STALIF." Spine Arthroplasty Society Annual Meeting. May 6-9, 2008 Miami, FL.

4. P. Pazmiño, C. Lauryssen, T.H. Lanman. “Outcomes Analysis of Lumbar Hybrid Disc Arthroplasty.” North American Spine Society Annual Meeting. October 14-18 2008. Toronto, Canada.
5. P. Pazmiño, T.H. Lanman, C. Lauryssen. “Outcomes Analysis of Cervical Hybrid Disc Arthroplasty.” “Congress of Neurologic Surgeons Annual Meeting, September 20-25, 2008. Orlando, FL.

Book Chapters

1. Cuéllar, J.M, Kim, Terrence, Bhamb, Neil and Lanman, Todd H. Cervical Total Disc Replacement. In: Operative Techniques in Spine Surgery, 3rd Edition (*In Press*). Editors: Eli M. Baron and Alexander R. Vaccaro
2. Lanman, TH, Becker DP. "Falcinemeningiomas." *Meningiomas. Raven Press, New York* (1991): 345-356.

Other publications

Lanman TH. “Taking Charge: Specialty Surgeons Take on Managed Care.” Bulletin of the American College of Surgeons.83(6): 33-36. 1998.

Lanman TH, Tierney AC, Subin W. “Stereotactic Biopsy of Cerebral Lesions in 150 Patients with AIDS.” Abstract of Oral Presentation. Neurosurgery, 41(3): 752. September 1997.

Research Experience

Principal Investigator “Prospective, Concurrently Controlled, Multi-Center Study to Evaluate the Safety and Effectiveness of the Spinal Kinetics M6-C Artificial Cervical Disc Compared to Anterior Cervical Discectomy and Fusion (ACDF) for the Treatment of Symptomatic Cervical Radiculopathy” 2015 – Present.

Principal Investigator “A Prospective, Randomized, Controlled, Multicenter Pivotal Clinical Trial of the Artificial Cervical Disc – LP at Two Levels for Symptomatic Cervical Disc Disease.” (“Prestige LP Two Level Clinical Trial”). 2006 – Present.

Principal Investigator – “A Prospective, randomized, Controlled Clinical Investigation of DIAM Spinal Stabilization System in Patients with Degenerative Lumbar Stenosis.” (“DIAM vs Fusion”). 2006 – Present.

Principal Investigator “A Prospective, Randomized, Controlled, Multicenter Trial to Assess P-15 Bone Putty in an Anterior Cervical Fusion with Instrumentation.” 2007-2014.

Sub-Investigator- “ A Randomized, Multi-Center Study to Establish the Safety and Effectiveness of the Wallis Mechanical Normalization System vs. Receiving a Course of Conservative Management for the Treatment of Mild to Moderate Degenerative Disc Disease of the Lumbar Spine.” 2005- 2006.

Sub-Investigator – “A Randomized Controlled trial of Duragen Plus Adhesion Barrier Matrix to Minimize Adhesions Following Lumbar Discectomy.” 2006 – 2013.

Sub-Investigator – “A Prospective Multicenter Clinical Study to Assess the Safety and Effectiveness of the Impliant TOPS System.” 2006 – 2010.

Sub-Investigator – “A Pilot Clinical Trial for Initial Evaluation of the Anatomical Facet Replacement System, Sponsored by Facet Solutions.” 2006 – 2009.

Sub-Investigator- “A Prospective, Randomized Clinical Investigation of the Cervitech, Inc. Porous Coated Motion Artificial Disc for Stabilization of the Cervical Spine.” 2005- 2007.