



Stanley S. Lee, M.D.

Orthopaedic Spine Surgeon
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Medical Practice

Private Practice	Lucent Spine, PLLC Ann Arbor & Southfield, MI	5/2012-present
	Specialists in Spine Surgery West Bloomfield, MI	12/2012-present
Hospital Employment	Orthopaedic Spine Surgeon Allegiance Health, Jackson, MI	8/2008-3/2012
Faculty Appointment	Clinical Lecturer, Orthopaedic Spine Surgery University of Michigan Medical School, Ann Arbor, MI	8/2004-8/2008

Business Interests

Principal & Medical Director	Lucent Spine, PLLC Providing objectivity and transparency in evidence-based spinal medicine and surgery through a select network of spinal medicine and surgery expert consultants. Services include patient consultation and care, education, development and implementation of clinical guidelines, independent medical expert opinion and testimony, and peer review.	11/11-present
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Education and Training

Fellowship	Adult and Pediatric Spine Surgery Barnes Jewish Hospital, Washington University, St. Louis, MO	8/2003-7/2004
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Residency	Orthopaedic Surgery Loyola University Medical Center, Maywood, IL	7/1999-6/2003
Internship	General Surgery Loyola University Medical Center, Maywood, IL	7/1998-6/1999
Education	Bachelor of Science – Biomedical Sciences, Inteflex Program University of Michigan, Ann Arbor, MI	9/1991-5/1995
	Medical Doctor University of Michigan Medical School, Ann Arbor, MI	8/1994-6/1998

Certification and Licensure

Certification	American Board of Orthopaedic Surgery	7/28/2006-present
	Michigan Physician License #4301083331	4/06/2004-present
	Ohio Physician License #35-098613	2/8/2012-present
	Federal DEA Licensed	

Active Hospital Membership

Oakland Regional Hospital	Southfield, MI
DMC/Huron Valley-Sinai Hospital	Commerce, MI

Hospital Service

Committees	Allegiance Service Excellence Steering Committee	2009-2012
	Allegiance Chronic Pain Steering Committee	2009-2012
	Allegiance Functional Rehabilitation Committee	2010-2012
	Allegiance Physician Rounding Committee	2010-2012
	UM Orthopaedics Finance Committee	2004-2008
	UM Orthopaedics Resident Selection Committee	2004-2007
	UM Orthopaedics Morbidity & Mortality Conference Chair	2004-2008
	UMHS Electronic Order Entry Steering Committee	2005-2007

Research Interests

Effect of high quality physician consultation on quality and cost of care.
Resource allocation in spinal medicine and surgery.

Reducing patient selection variability in spine surgery.
Standardizing diagnosis and indications for spine surgery.
Strengthening the doctor-patient relationship.

Professional Societies

Memberships Active Fellow - Scoliosis Research Society
Program Committee Member – 2011-2014
North American Spine Society
American Academy of Orthopaedic Surgery

Grants

Grant Support 2007- University of Michigan Orthopaedic Surgery - \$25,000 – Principal Investigator - Timed Released Delivery of BMP using Nanoscaffolding with Nanospheres: A Feasibility Study in a Rat Spine Fusion Model.
2007 - DePuy Spine –\$3,303,915 – Principal Investigator - Discover Cervical Arthroplasty IDE Trial.
2005 - Stryker - \$5000 - resident anatomy course
2005 - Medtronic Sofamor/Danek - \$15,000 – Principal Investigator - Comparison of Pullout Strength of Superior vs. Inferior Pedicle Screw Loading.
2005 - Medtronic Sofamor/Danek- \$6000 - University of Michigan Spine Lectureship August 2005.

Extramural Activity

Hosting Prof. Hui Lin Yang, Chairman, Department of Orthopaedic Surgery, First Affiliated Hospital of Soochow University. May 2, 2008.
Dr. John Ooi, Orthopaedic Spine Surgeon, Malaysia. January 6-10, 2007.
Dr. Márcio Vinhal de Carvalho, Neurosurgeon Chief of Spine Surgery of Hospital De Base De Brasilia. August 29-30, 2005.

**Course Faculty/
Educational
Consulting** Stryker SEL1 New Sales Rep Training. “Thoracolumbar Anatomy, Pathology, and Surgical Techniques.” Allendale, NJ. May 1, 2012.
Stryker New Technologies: Spine Fellows’ Boot Camp. “The Importance of Patient Selection.” Las Vegas, NV. April 27, 2012.
Biomet Sales Rep Training. “Adult and Pediatric Spinal Deformity.”

Parsipanny, NJ. March 14, 2012.

Biomet Venezuelan Surgeon Spinal Deformity Symposium. "Adult and Pediatric Deformity." Parsipanny, NJ. November 8, 2011.

Zimmer/F&F Ventures. "Spinal Deformity Overview." Troy, MI October 13, 2011.

Stryker Rep Training. "Spinal Deformities." Rye Brook, NY. September 21, 2011.

Biomet Interbody Devices Rep Training. Parsipanny, NJ. August 17, 2011.

Stryker Controversies and Complications in Spinal Deformity Correction. "Vertebral Column Resection." Phoenix, AZ. March 25, 2011.

Course Medical Director. Stryker Advanced Deformity Rep Training Course. Phoenix, AZ. March 23-24, 2011.

Stryker Spine Imaging Webinar. "Overview of Spinal Imaging." March 17, 2011

Biomet Spinal Deformity Webinar. "Overview of Adult and Pediatric Spinal Deformity." October 12, 2011.

Stryker New Rep Training. "Spinal Deformities." Rye Brook, NY. September 22, 2010.

Stryker/Osteokinetics. "Spinal Deformity Overview." Plymouth, MI. December 27, 2010.

Stryker Stryker Current Controversies in Spine Surgery. "Occipitocervical Fixation." Royal Oak, MI. June 3-4, 2010.

Stryker Controversies in Deformity Correction. "Vertebral Column Resection." Phoenix, AZ. March 26, 2010.

Course Medical Director. Stryker Advanced Deformity Rep Training Course. Phoenix, AZ. March 24-25, 2010.

Stryker New Rep Training. "Spinal Deformities." Allendale, NJ. October 13, 2009.

Stryker ABOS Step II Oral Board Review. Las Vegas, NV. June 11-12, 2009.

Course Medical Director. Stryker Advanced Rep Deformity Training. Phoenix, AZ. March 12-13, 2009.

AAOS MOC East Course. "Adult Spinal Deformity." Cambridge, MA. December 3-6, 2008.

Stryker Oral Board Review Course. Las Vegas, NV. June 6, 2008.

Stryker Spring Deformity Symposium. "Osteotomies of the Spine." Ft. Lauderdale, FL. May 16, 2008.

Stryker Advanced Deformity Rep Training. Ann Arbor, MI. April 24-25,

2008.

AAOS MOC East. "Adult Spinal Deformities." Cambridge, MA. December 6-9, 2007.

Stryker Residents/Fellows Course. "Surgical Anatomy of the Lumbar Spine." Las Vegas, NV. June 14-15, 2007.

Stryker 4th Annual Pacific Rim Spine Workshop. "Osteotomies of the Spine." Macau, China. May 16-18, 2007.

Stryker Advanced Deformity Rep Training. Ann Arbor, MI. March 30-31, 2007.

Stryker Young Surgeons Meeting. "Lumbar Surgical Anatomy." Las Vegas, NV. October 28, 2006.

Stryker 3rd Annual Pacific Rim Spine Workshop. "Diagnosis and Treatment of Sagittal Imbalance." Chengdu, China. June 14-15, 2006.

Stryker Residents/Fellows Course. "Lumbar Surgical Anatomy." New York, NY. June 10, 2006.

Stryker Advanced Deformity Rep Training. Ann Arbor, MI. March 9-10, 2006.

EBI Regional Spine Hands-On Workshop. Hershey, PA. July 22, 2005

EBI Advanced Spine Sales Training & Cadaver Lab. St. Louis, MO. July 8, 2005.

Depuy Advanced Spine Trauma Symposium. "Cervical Trauma." Miami, FL. March 18-19, 2005.

Advanced Techniques in Cervical Spine Surgery. "Management of Dural Tears of the Spine." St. Louis, MO. July 30-August 1, 2004.

POSNA Advanced Spinal Deformity Workshop. St. Louis, MO. April 29-May 1, 2004.

Advanced Techniques in Cervical Spine Surgery. St. Louis, MO. January 16-18, 2004.

Invited Lectures "Understanding Spinal Injuries." Progressive Quarterly Meeting. Plymouth, MI. August 20, 2013.

"Best Practice Decision-Making in the Spine Injury Patient." AAA claims office. Southfield, MI. July 25, 2013.

"Understanding Spinal Injuries." Zausmer, Kaufmann, August, and Cadwell, P.C. Farmington Hills, MI. June 12, 2013.

"Understanding Spinal Injuries." Magdich&Associates. Livonia, MI. May 9, 2013.

"Understanding Spinal Injuries." Julie A. Taylor&Associates. Southfield, MI. March 7, 2013.

“Understanding Spinal Injuries.” EMC Insurance. Lansing, MI. September 25, 2012.

“Understanding Spinal Injuries.” Grange Insurance. Southfield, MI. September 20, 2012.

“Understanding Spinal Injuries.” Pioneer State Mutual Insurance. Flint, MI. September 18, 2012.

“Understanding Spinal Injuries.” Citizens/Hanover Insurance. Howell, MI. July 17, 2012.

“Understanding Spinal Injuries.” Frankenmuth Insurance. Frankenmuth, MI. June 26, 2012.

“Understanding Spinal Injuries.” AAA claims office. Ann Arbor, MI. May 23, 2012.

“Understanding Spinal Injuries.” Preferred Case Management Continuing Education Symposium. Lansing, MI. May 3, 2012.

“Understanding Spinal Injuries.” AAA claims office. Southfield, MI. April 24, 2012.

“Understanding Spinal Injuries.” MEEMIC claims office. Auburn Hills, MI. March 27, 2012.

“Understanding Spinal Injuries in the Workplace.” Cannon Cochrane Management Service, Okemos, MI. September 30, 2011.

“Multidisciplinary Approach to Spine Care.” Townsend Medical Group. Jackson, MI. September 19, 2011.

“Evaluation and Treatment of Pediatric Kyphosis and Scoliosis.” Allegiance Health Pediatrics Grand Rounds. Jackson, MI. August 14, 2010.

“Evaluation and Management of Thoracolumbar Kyphosis.” Orthopaedic Surgery Grand Rounds. First Affiliated Hospital of Soochow University, Suzhou, China. April 18, 2008.

“Surgical Options and Outcomes for the Aging Spine.” Geriatric Grand Rounds, University of Michigan, Ann Arbor, MI. April 1, 2008.

“Degenerative Spinal Conditions.” Geriatric Grand Rounds, University of Michigan, Ann Arbor, MI. March 11, 2008.

“Indications for Spine Surgery.” Physical Medicine & Rehabilitation, University of Michigan, Ann Arbor, MI. January 17, 2008.

“Introduction to Spine Surgery.” AORN. St. Joseph Mercy Hospital Education Center, Ann Arbor, MI. January 8, 2008.

“Introduction to Spine Surgery.” UH-OR Nursing Staff. University of Michigan, Ann Arbor, MI. December 13, 2007.

“Surgical Anatomy.” University of Michigan Medical School, Ann Arbor, MI. April 17, 2007.

“Demystifying the Lumbar Spine.” National Association of Orthopaedic Nurses, Ann Arbor, MI. March 9, 2007.

“M4 Anatomy Lab Lecture.” Anatomy Lab, University of Michigan, Ann Arbor, MI. February 13, 2007.

“Diagnosis and Management of Cervical Spine Trauma.” Trauma Grand Rounds, University of Michigan, Ann Arbor, MI. December 5, 2006.

“Cervical Radiculopathy and Myelopathy.” Physical Medicine and Rehabilitation Grand Rounds, University of Michigan Hospitals, Ann Arbor, MI. January 3, 2006.

“Overview of Adult Spinal Deformities.” Rheumatology Grand Rounds, University of Michigan Hospitals, Ann Arbor, MI. November 3, 2004.

“Overview of Spinal Deformities.” Physical Medicine and Rehabilitation Grand Rounds. University of Michigan Medical School, Ann Arbor, MI, December 10, 2004.

“Rheumatoid Changes in the Cervical Spine.” Rheumatology Grand Rounds. University of Michigan Medical School. Ann Arbor, MI. December 2, 2004.

“Rheumatoid Changes in the Cervical Spine.” Orthopaedic Surgery Grand Rounds, University of Chicago Hospitals, Chicago, IL. November 26, 2003.

“Overview of Spinal Deformities.” Physical Therapy Instructional Seminar Washington University Medical Center, St. Louis, MO. October 1, 2003.

“Cervical Spine Fractures.” Orthopaedic Surgery Grand Rounds, Washington University Medical Center, St. Louis, MO. September 17, 2003.

“Upper Cervical Spine Injuries.” Orthopaedic Surgery Grand Rounds, Loyola University Medical Center, Maywood, IL. April 15, 2003.

“Spondylolisthesis.” Orthopaedic Surgery Grand Rounds, Loyola University Medical Center, Maywood, IL. April 11, 2002.

“Treatment Options in the Rheumatoid Elbow.” Orthopaedic Surgery Grand Rounds, Loyola University Medical Center, Maywood, IL. July 13, 2000.

“Elbow Dislocations and Instability.” Orthopaedic Surgery Grand Rounds, Loyola University Medical Center, Maywood, Illinois. September 23, 1999.

“The Diabetic Foot.” Vascular Surgery Conference, Loyola University Medical Center, Maywood, Illinois. February 15, 1999.

Research Presentations

Zou J, Lee SS, Yang HL. Single Balloon versus Double Balloon Kyphoplasty for Treatment of Osteoporotic Vertebral Compression Fractures. North American Spine Society, San Francisco, CA. November 10-14, 2009.

Bridwell KH, Lee SS, Lenke LG, Steger-May K, Bess RS. Reconstitution of

Posterior Iliac Bone Graft Site: Prospective Evaluation of 2 Backfilling Techniques. American Academy of Orthopaedic Surgeons. Chicago, IL March 22-25, 2006.

Lee SS, Lenke LG, Kuklo TR, Valente L, Bridwell KH, Sides B, Blanke K. Comparison of Scheuermann's Kyphosis Correction by Posterior Only Thoracic Pedicle Screw Fixation vs. Combined Anterior/Posterior Fusion. Scoliosis Research Society, Miami, FL, October 26-30, 2005

Lee SS, Lenke LG, Pelle M, Okubadejo G, Cheng I, Hurford R, Bridwell KH, Sides BA. Preserving the Degenerated L5-S1 Segment in Degenerative Lumbar Fusion Surgery in Older Patients: is it Possible? American Academy of Orthopaedic Surgeons. Washington, D.C., February 23-26, 2005.

Cheng I, Kim YJ, Gupta M, Lenke LG, Bridwell KH, Hurford Jr. R, **Lee SS**: Apical sublaminar wires versus pedicle screws, which provides better results for surgical correction of adolescent idiopathic scoliosis? Scoliosis Research Society 39th Annual Meeting, Buenos Aires, Argentina, September 5-7, 2004.

Lee SS, Lenke LG, Peelle M, Okubadejo G, Bridwell KH. Preserving the Degenerated L5-S1 Segment in Degenerative Lumbar Fusion Surgery in Older Patients: is it Possible? IMAST 11th Annual Meeting, South Hampton Bermuda, July 1-3, 2004.

Cheng I, Bridwell KH, Lenke LG, Hurford Jr, R, **Lee SS**, Chen R: Use of bone morphogenetic protein-2 for anterior and posterior adult spinal deformity fusion (826). IMAST 11th Annual Meeting, South Hampton Bermuda, July 1-3, 2004.

Lee SS, Ghanayem A, Voronov L, Simonds J, Havey R, Dillehay G, Patwardhan AG. A biomechanical comparison of posterior interbody lumbar fusion versus transforaminal interbody lumbar fusion under physiologic follower load. Mid-America Orthopaedic Association. Hilton Head, South Carolina. May 23-27, 2003.

Lee SS, Ghanayem A, Voronov L, Simonds J, Havey R, Dillehay G, Patwardhan AG. A biomechanical comparison of posterior interbody lumbar fusion versus transforaminal interbody lumbar fusion under physiologic follower load. Spine, Science, and Management Residents and Fellows Course, New Orleans, Louisiana. November 9-11, 2002.

Lee SS, Ghanayem A, Voronov L, Simonds J, Havey R, Dillehay G, Patwardhan AG. A biomechanical comparison of posterior interbody lumbar fusion versus transforaminal interbody lumbar fusion under physiologic follower load. Meeting of the Americas, New York, New York. April 23-27, 2002.

Lee SS, Ghanayem A, Voronov L, Simonds J, Havey R, Dillehay G, Patwardhan AG. A biomechanical comparison of posterior interbody

lumbar fusion versus transforaminal interbody lumbar fusion under physiologic follower load. Orthopaedic Research Society, Dallas, Texas. February 9-13, 2002.

Lee SS, Hak D, Goulet JA. Exchange nailing of nonunions after intramedullary nail fixation of femoral shaft fractures. Michigan Orthopaedic Society, Boyne Highlands, Michigan. June 11-13, 1998.

Lee SS, Biermann SJ. Gas Gangrene after total hip arthroplasty for metastatic breast cancer. Michigan Orthopaedic Society, Boyne, Michigan. June 12-14, 1997.

Bibliography

Publications

Smuck M, Christensen S, **Lee SS**. An Unusual Cause of S1 Radicular Pain Presenting as Early Phantom Pain in a Transfemoral Amputee. *Archives of Physical Medicine & Rehabilitation*. 89(1): 2008 January.

Lee SS, Lenke LG, Kuklo TR, Valente L, Bridwell KH, Sides B, Blanke K. Comparison of Scheuermann kyphosis correction by posterior-only thoracic pedicle screw fixation versus combined anterior/posterior fusion. *Spine*. 31(20): 2316-21, 2006 Sep 15.

Hurford Jr. RK, Lenke LG, **Lee SS**, Cheng I, Sides B, Bridwell KH: Prospective radiographic and clinical outcomes of dual-rod instrumented anterior spinal fusion in adolescent idiopathic scoliosis: Comparison with single-rod constructs. *Spine*. 31(20): 2322-8, 2006 Sep 15.

Cheng I, Kim YJ, Gupta M, Lenke LG, Bridwell KH, Hurford Jr. R, **Lee SS**: Apical sublaminar wires versus pedicle screws, which provides better results for surgical correction of adolescent idiopathic scoliosis? *Spine*. 30(18): 2104-12, 2005 Sep 15.

Taylor BA, **Lee SS**, Riew KD. Transoral Surgery of the Dens. *Contemporary Spine Surgery*. Volume 5: 49-52, 2004 May.

Hak DJ, **Lee SS**, Goulet JA. Success of exchange reamed intramedullary nailing for femoral shaft nonunion or delayed union. *J Orthop Trauma*. 14(3):178-82, 2000 Mar-Apr.

Iannettoni MD, **Lee SS**, Bonnell MR, Sell TL, Whyte RI, Orringer MB, Beer DG. Detection of Barrett's adenocarcinoma of the gastric cardia with sucrase isomaltase and p53. *Ann Thorac Surg*. 62(5):1460-5, 1996 Nov.

Second Languages

Chinese Cantonese, Chinese Mandarin.