

Curriculum Vitae

EERIC TRUUMEEES, M.D.

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Ascension Texas Spine and Scoliosis Center

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Current Positions

Physician Lead, Spine, Ascension Medical Group, Austin, TX, 2019 to present.

Co-Director, Ascension Texas Spine Program, 2020 to present.

Orthopaedic Surgery Spine Lead, Ascension National Spine Program, 2020 to present.

Director, Research, *Seton Spine and Scoliosis Center*, Austin, TX.
November 22, 2010 to present.

Director, Spine Trauma, *Seton Brain & Spine Institute*, July 2013 to present.

Current Positions (Cont'd)

Attending Spine Surgeon, Dell Seton Medical Center at the University of Texas
Austin, TX. May 2017 to present.

Attending Spine Surgeon, Seton Medical Center, Austin, TX, November,
2010 to present.

Director, Spine Rotation, Orthopaedic Surgery Residency (and Medical Students),
University of Texas, Dell Medical School, July 2017 to present.

Prior Positions

Professor of Orthopaedic Surgery, University of Texas, Dell Medical School,
September 2016 to December 2024.

Professor of Neurological Surgery, University of Texas, Dell Medical School,
Courtesy Appointment, April 2020 to May 2023.
Regular Faculty Appointment, May 2023 to December 2024.

CEO, Seton Brain and Spine Institute, Austin, TX, September 2015 to 2019.
Interim CEO, July 2015 to September 2015.
SBSI, as an NPHO, was combined into Texas Ascension Medical Group.

Attending Spine Surgeon, Brackenridge University Hospital, Austin, TX.
November 2010 to May 2017 (facility replaced by Dell Seton
Medical Center at the University of Texas).

Orthopaedic Director, Gehring Laboratory for Biomechanics and Implant Analysis
Royal Oak, MI, 2003-2009.

Attending Spine Surgeon, William Beaumont Hospital
Royal Oak, MI, 1999-2010

Partner, Michigan Orthopaedic Institute (formerly Weisman, Gitlin, Herkowitz, MD, PC),
Royal Oak, MI, 2000-2010
Associate Physician, July 1999-July 2000

Adjunct Faculty, Wayne State University Biomechanics Center
Detroit, MI, July 2002-August 2006

Education

University of Virginia: Departments of Biology and Religious Studies, Charlottesville, VA
1985-1989, B.A.

University of Virginia: School of Medicine, Charlottesville, VA, 1989-1993, M.D.

Additional Coursework:

Harvard University, Cambridge, Massachusetts, 1984.
George Mason University, Fairfax, Virginia, 1984-1985.

Post-Graduate Training

- Internship:* **Cleveland Clinic Foundation**, Cleveland, Ohio, Department of General Surgery, 1993-1994.
- Residency:* **Cleveland Clinic Foundation**, Cleveland, Ohio, Department of Orthopaedic Surgery, 1994-1998.
- Fellowship:* **Spinal Surgery**, Dr. Harry Herkowitz, William Beaumont Hospital, Royal Oak, Michigan. 1998-1999.

Professional Societies and Memberships

- North American Spine Society, 1997 to present.
- American Orthopaedic Association, 2007 to present.
- American Academy of Orthopaedic Surgeons, 1999 to present.
- Cervical Spine Research Society, 2003 to present.
- AO Spine, 2018 to present.
- Foundation for Orthopaedics and Complex Spine (FOCOS), 2003 to present.
- Spine Study Group, 1998 to present.
- Travis Country Medical Society, 2010 to present.
- Texas Orthopaedic Association, 2012 to present.
- Texas Medical Association, 2010 to present.
- Mid-America Orthopaedic Association, 2003 to 2010.
- Michigan Medical Society, 1999 to 2007.
- Detroit Orthopaedic Society, 1999 to 2010.
- Michigan Orthopaedic Society, 1999 to 2010.

Licensure

- Authorized Medical License, Texas (Number N8252), December 1, 2010 to present.
- Authorized Medical Licensure: State of Michigan (Number 4301071762), 1999 to 2011.
- Authorized Medical Licensure: Republic of Ghana (Number 07068), 2004 to present.
- Authorized Medical Licensure: State of Ohio (Number 67577), 1994 to 1999.

Certifications

Board Certified, American Board of Orthopaedic Surgeons.
Passed Written Exam, July 17, 1998; Oral Exam, July 11, 2001.
Passed Re-Certification Exam, July 1, 2011; Certified until Dec 31, 2022.

Diplomat of National Board of Medical Examiners, July 1994, NBME number 434048.
NBME Part I, passed 1990; NBME Part II, passed 1993.
USMLE Step III, passed 1995.

Advanced Trauma Life Support, MetroHealth Medical Center, Cleveland, August, 1995.

Advanced Cardiac Life Support, University of Virginia Medical Center, Charlottesville,
Virginia, March, 1993

Honors

Best Peer Reviewer, Global Spine Journal, February, 2026.

Best Papers Selection, North American Spine Society Annual Meeting, Chicago,
September, 2024.

Invited Alumni Speaker, Cleveland Clinic Residency Graduation, May 2021.

Texas Monthly, Super Doctors, 2021, 2022, 2023, 2024, 2025, 2026.

Austin Monthly, Top Doctors, 2021, 2024, 2025, 2026.

American Academy of Orthopaedic Surgeons, Senior Achievement Award, 2017, 2018, 2019.

Honorary Member, Saudi Spine Society, 12.2017-12.2020.

Best Papers Selection, North American Spine Society Annual Meeting, Orlando,
October, 2017.

Best Interdisciplinary Spine Care Paper, North American Spine Society Annual Meeting, Boston,
October, 2016.

American Academy of Orthopaedic Surgeons, Achievement Award, 2010, 2013, 2014, 2015,
2016, 2017.

American Orthopaedic Association, Inductee, 2007.

Distinguished Service Award, City of Detroit, August 14th, 2004.

Spine Surgeons & Specialists to Know, Becker's Spine Review, 2012, 2013, 2014, 2015, 2016,
2017.

Selectee. Future Leaders of NASS Conference. April 24, 2004, Boca Raton, FL.

Honors (Cont'd)

Hour Magazine. Top Doctors in Detroit, October 2003.

“Marcus Welby” and “Golden Apple” awards for compassion, explanation, and time Spent with patients, 2013, 2015.

Alpha Omega Alpha, University of Virginia School of Medicine, 1992.

Bowman Award, University of Virginia’s Highest Clinical Honor, October 1992.

Raven Society of the University of Virginia, 1992.

American Diabetes Association, Research Fellowship, 1990.

Dean’s List, University of Virginia, 1985-1989.

Honors: Neuroscience, Microbiology, Genetics and Biostatistics, Medical Ethics, Physical Diagnosis, Medicine, Surgery, Neurology, Pediatrics, Psychiatry, Obstetrics and Gynecology.

Top TKE, Gamma Omicron Chapter, University of Virginia, 1987.

Committees and Leadership Activities

North American Spine Society,

Past Present, 2021 to 2022.

President, 2020 to 2021.

First Vice President, 2019 to 2020.

Second Vice President, 2018 to 2019.

Treasurer, October 2016 to 2018.

Board of Directors, North American Spine Society, 2008 to 2022.

Executive Committee, North American Spine Society, 2016 to 2022.

Council Director, Administration & Development, 2012-2016.

Member, Appropriate Use Criteria Drafting Committee, Degenerative Lumbar Spondylolisthesis, November 2015.

Co-Chairman, Program Committee 2013 Meeting.

Professional, Economic, and Regulatory Committee, 2011-present.

Member, Program Committee, 2011-2014.

Spine Across the Sea Program Committee, 2012, 2009.

Nominating Committee, 2011-2012, 2019-2020.

Chairman, Section Development Committee, 2011-2012.

Chairman, Education Publication Committee, 2008-2011.

Member, Publications Committee, 2006-2011.

Member, Best Papers Committee, 2007-2013.

Member, Residency Education Committee, 1998-1999.

Committees, Boards, & Chairmanships (Cont'd)

American Academy of Orthopaedic Surgeons

- Member, American Spine Registry Advisory Board, 2020 to present.
- Member, Communications Cabinet, 2014 to 2021.
- Chief, AAOS Now Editorial Board, 2014 to 2021.
- Member, Program Committee, NASS Chair, Federation of Spine Associations Specialty Day, AAOS 2014 Meeting, New Orleans, LA.
- Member, Board of Specialty Societies, 2012 to present.
- Communications Committee, 2012-2017.
- Member, Spine Program Subcommittee, AAOS, 2009-2014.
- Member, CME Course Committee, 2004-2008.

S20: Advisory Group to G20

- Executive Committee, 2019-2023.

Cervical Spine Research Society

- Member, Awards Committee, 2021-present.
- Member, Development Committee, 2018-2021.
- Member, Nominating Committee, 2012-2013, 2017-2018.
- Member, Board of Directors, 2008-2010.
- Chairman, Communications Committee, 2008-2010.
- Member, Communications Committee, 2006-2008.
- Member, Continuing Education Committee, 2004-2008.
- Program Committee/Abstract Review, 2018 (others)

American Orthopaedic Association

- Member, Awards Committee, July 2020 to present.
- Member, Own the Bone Steering Committee, July 2016 to 2019.

Faculty, UT Dell School of Medicine

- Research Committee, UT Dell School of Medicine, 2016 to 2024.
- Spine Subspecialty Director, Orthopaedic Surgery Residency, 2017 to 2024.
- Co-Chair, Multidisciplinary Spine Conference, 2015 to 2020.

Joint Commission, Advanced Spine Certification Work Group, 2020 to present.

American Spine Registry Advisory Committee, 2020 to present.

Ascension Medical Group, Texas (*formerly Seton Family of Doctors*).

- Chairman, Board of Directors, Seton Brain and Spine Institute, 2015-2016.
- Member, Board of Directors, Seton Brain and Spine Institute, 2013-2015.
- Member, Adult Care Council, 2016 to present.
- Secretary, 2021 to present.

Committees, Boards, & Chairmanships (Cont'd)

Seton Hospital Network

- Member, SMCA Senior Advisory Committee, 2023-present.
- Member, MSK Committee of the Seton Health Alliance, 2019 to 2022.
- Chairman, Spine Subcommittee of the Clinical Integration Committee, Seton Health Alliance, 2014 to 2019.
- Chairman, Neuroscience Network Clinical Care Committee, 2016-2018.
- Member, Network Cancer Committee, 2010-2013.
- Member, Network Spine Center of Excellence Committee, 2011 to present.

Seton Research Institute

- Member, Conflict of Interest Committee, 2013-2017.

Michigan Medical Society

- Member, Program Committee, 2007-2009.

Madison House, University of Virginia (community service organization)

- Member, Alumni Council, 2007-2009.

William Beaumont Hospital Department of Orthopaedic Surgery

- Member, Resident Selection Committee, 1999-2003.
- Member, Spine Fellow Selection Committee, 1999-2006.

Mid-America Orthopaedic Association

- Program Committee/Abstract Review, 2008, 2009.

World-Spine

- Program Committee/Abstract Review, 2005, 2012.

Cleveland Clinic Foundation,

- Member, Resident Selection Committee, Department of Orthopaedic Surgery 1996-1997.
- Member, Resident Advisory Committee, Division of Education, 1996-1998.

University of Virginia, School of Medicine

- Member, Admissions Committee, 1992-1993.

Editorial Review Boards

Editor-in-Chief, **AAOS Now**, 2015 to 2021.

EIC designee, 2013 to 2014.

Deputy Editor, **The Spine Journal**, 2012 to 2018.

Editorial Advisory Board, **The Spine Journal**, 2003-2012.

Reviewer, **The Spine Journal**, 2001-2003. 2019-present.

Editor, **Orthopaedic Knowledge Update: The Spine, 6th Edition**, Wolters-Kluwer, Philadelphia, PA, 2021.

Editor, **Orthopaedic Knowledge Update: The Spine, 5th Edition**, AAOS, Rosemont, IL, 2017.

Editorships & Editorial Review Boards (Cont'd)

Editorial Board, **Journal of Bone & Joint Surgery Essential Surgical Techniques**, 2013 to present.

Reviewer, **Journal of Bone and Joint Surgery**, 1998-2000 and 2016 to present
Elite Reviewer, Dec 2018 to 2021.

Reviewer, **Neurosurgery**, 2014 to present.

Reviewer, **Clinical Orthopaedics and Related Research**, 2019 to present.

Reviewer, **Global Spine Journal**, 2025 to present.

Chief Medical Editor, **SpineLine**, January, 2007 to 2013.
Section Editor, **SpineLine**, 2003-2006.

Editor, Selective **Exposures in Orthopaedic Surgery: Spine**, 2nd Edition, AAOS,
Rosemont, IL, 2010.

Section Editor, Degenerative Disease, **Orthopaedic Knowledge Update: Spine**, 4th Edition,
AAOS, Rosemont, IL, 2010.

Editorial Board, **Journal of the American Academy of Orthopaedic Surgeons**, 2010-present.
Reviewer, **Journal of the American Academy of Orthopaedic Surgeons**, 2007-2009.

Editorial Advisory Board, **Spine**, 2012-present.
Reviewer, **Spine**, 1999-2012.

Topic Editor, **SpineUniverse**, 2004-present.

Editorial Board, **Clinical Spine Surgery**, 2018-present
was **Journal of Spinal Disorders and Techniques**
Reviewer, 2006-2018.

Reviewer, **Journal of Biomechanics**, 2006-2008.

Guest Editor, **Seminars in Spine Surgery: Cervical Trauma**, July 2005.

Guest Editor, **Seminars in Spine Surgery: Lumbar Disc Degeneration**, November 2007.

Journal and Peer Reviewed Publications

- Truumees E, Singh D, Geck M, Stokes J, Sayegh G, Zai Q, Gray T. Thoracic Inlet Angle Is Associated With Cervical Sagittal Alignment and Recovery After Multilevel Posterior Cervical Fusion. Accepted in *Clinical Spine Surgery*, 2026.
- Truumees E, Akkihal K, Singh D, Geck M, Stokes J. Rehabilitation Strategies Following Posterior Cervical Decompression for Cervical Spondylotic Myelopathy: A Narrative Review and Framework for Clinical Practice. Accepted in *European Spine Journal*, 2026.
- Geck M, Akkihal K, Singh D, Adams A, Stokes J, Truumees E. Radiographic predictors of functional and pain outcomes in Scheuermann's kyphosis: an ROC-based minimal clinically important difference (MCID) analysis. Accepted in *Spine Deformity*, 2026.
- Geck M, Singh D, Akkihal K, Adam A, Stokes J, Truumees E. Use of Pre-operative SRS-22r Profiles to Predict Clinically Meaningful Improvement After AIS Surgery: A Detailed Multivariable MCID Analysis in 189 Patients. Accepted in *Spine Deformity*, 2026.
- Truumees E, Singh D, Mayer E, Kale S, Adams A, Geck M, Stokes J. Development, Calibration, and Clinical Validation of a Deployable PROMIS-Based Adaptive Assessment Tool (PROMIS-CAT) for Real-Time Patient-Reported Outcomes in Spine Care. Accepted in *Spine*, 2026.
- Truumees E, Kale S, Singh D, Geck M, Stokes J. Health Literacy, Treatment Choice, and Outcomes in Adult Spine Patients: A Systematic Review. *JBJS JOPA*, 13(4), e25, 2025.
- Geck MJ, Singh D, Adindu EK, Duncan A, Stokes JK, Truumees E. Learning curve and long-term outcomes of minimally invasive correction and fusion for adolescent idiopathic scoliosis. *Spine Deform*. 2025 Mar;13(2):569-580.
- Duckworth E, Shah R, O'Neill C, Truumees E, Narasimhan V, Jayakumar P. What personal factors are associated with osteoporosis, fragility fracture, and osteopenia? A population-level analysis using the United Kingdom Biobank. *Bone*. 2025 Jan 1;190:117277.
- Truumees E, Duncan A, Singh D, Geck M, Adindu E, Stokes J. What Perioperative Factors Are Associated With High-risk Daily Morphine Milligram Equivalent Totals in Spinal Decompressions? *Clinical Spine Surgery*. 38(7), E395-399, 2025.
- Geck MJ, Singh D, Zai Q, Adindu EK, Duncan A, Harris A, Wiseman T, Stokes JK, Truumees E. Comparative Analysis of Tissue Injury Markers After Mini-vs. Conventional Open Deformity Corrections in Patients With Adolescent Idiopathic Scoliosis. *Journal of Minimally Invasive Spine Surgery and Techniques*. 2025 Jan 31.

Publications (Cont'd)

- Truumees E. Commentary: Sarcopenia Predicts the Development of Early Adjacent Segment Disease After Transforaminal Lumbar Interbody Fusion. *Neurosurgery*. 2025 May 1;96(5):e106-7.
- Truumees E, Alexander D, Chandler C, et al. Clinical Characteristics of 96 Patients Presenting with Hematogenous Spinal Osteomyelitis – a Retrospective Study. *Global Sp J*, 2025 Mar;15(2):332-40.
- Adindu EK, Singh D, Geck M, Stokes J, Truumees E. The impact of obesity on postoperative and perioperative outcomes in lumbar spine surgery: a systematic review and meta-analysis. *Spine J*. 2025 Jun;25(6):1081-1095.
- Adindu EK, Singh D, Geck M, Stokes J, Truumees E. How Minimal Clinically Important Difference and Patient-Acceptable Symptom State Relate to Patient Expectations and Satisfaction in Spine Surgery: A Review. *Clin Spine Surg*. 2024, July
- Shah R, Rossano A, Singh D, Truumees E. Is Vertebral Artery Injury After Blunt Cervical Spine Trauma an Incidental Finding? *Clin Spine Surg* 28(7), E371-375, 2025.
- Adindu EK, Singh D, Geck M, Stokes J, Truumees E. Minimal Clinically Important Difference and Patient-Acceptable Symptom State in Orthopaedic Spine Surgery: A Review. *JBJS Rev*. 2023 Apr 18;11(4).
- Smuck M, Truumees E, Macadeag K, et al. Intraosseous Basivertebral nerve Ablation Pooled Long Term Outcomes from Two Prospective Clinical Trials. *Intervent Pain Med*, 2023.
- Truumees E. Commentary on Arnold P, et al. Six Year Follow-Up of a Randomized Controlled Trial of i-Factor. *Neurosurgery*. 92(4), 2023.
- Truumees E, Singh D, Ennis D, et al. Bridging the Cervicothoracic Junction During Multi-Level Posterior Cervical Decompression and Fusion: A Systematic Review and Meta-Analysis. *Global Sp J*, 2023.
- Conger A, Smuck M, Truumees E, et al. Vertebrogenic Pain: A Paradigm Shift in Diagnosis and Treatment of Axial Low Back Pain. *Pain Medicine* 23(S2): S63-S71, 2022.
- Truumees E, CORR Insights: Are the Choice of Frame and Intraoperative Patient Positioning Associated with Radiologic and Clinical Outcomes in Long-instrumented Lumbar Fusion for Adult Spinal Deformity? *Clin Orthop Relat Res*, Jan, 2022.
- Al Eissa S, Tami K, Truumees E, Vaccaro AR, Wong DA, Nordin M. SPINE20 A Global Advocacy Group Promoting Evidence-Based Spine Care of Value. *Eur Spine J* 30, 2091-2101, 2021.

Publications (Cont'd)

- Reitman CA, Cho CH, Bono CM, ... Truumees E, Wang J, Watters W, Whitcomb G. Management of Degenerative Spondylolisthesis: Development of Appropriate Use Criteria. *The Spine Journal*. **21(8)** 1256-1267, 2021.
- Truumees D, Duncan A, Mayer EK, Geck M, Singh D, Stokes J, Truumees E. Social Media As a new source of medical information and support. Analysis of Scoliosis Specific information, *Spine Deformity*, 9, 1241-1245, 2021.
- Truumees D, Duncan A, Amin K, Rajagopalan D, Geck M, Singh D, Stokes J, Truumees E. Quality and Accuracy of Cervical Radiculopathy Specific Information on the Internet: A Cross Sectional Analysis. *Spine*, 47(9):E399-E406, 2022.
- Truumees E, Singh D, Lavelle W, et al. Is it Safe to Stop at C7 During Multi-Level Posterior Cervical Decompression and Fusion? - Multi-Center analysis. *The Spine Journal*. **21(1)**, 90-95, 2021.
- Macadaeg K, Truumees E, Boody B, et al. A prospective, single arm study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 12-month results, *North American Spine Society J*, October 2020.
- Fischgrund JS, Rhyne A, Yeung CA, Truumees E, et al. Long-term outcomes following intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: five-year treatment results from a prospective randomized double-blind sham-controlled multicenter study. *The Spine Journal*. 20(9): S6 Aug 2020.
- Leyton-Mange A, Truumees E, Bozic K. Preoperative patient-reported outcome score thresholds predict the likelihood of reaching MCID with surgical correction of adult spinal deformity. *Spinal Deformity*, Aug, 2020.
- Truumees D, Duncan A, Mayer E, Truumees E. Cross sectional analysis of scoliosis-specific information on the internet: potential for patient confusion and misinformation. *Spinal Deformity*, June, 2020.
- Fischgrund JS, Rhyne A, Macadaeg K, Truumees E, et al. Long-term outcomes following intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: 5-year treatment arm results from a prospective randomized double-blind sham-controlled multi-center study. *Eur Spine J*, May 2020.
- Truumees E. Commentary: Crossing the Cervicothoracic Junction During Posterior Cervical Decompression and Fusion: Is it Necessary?, *Neurosurgery*, Volume 86, April 2020.
- Truumees E, Macadaeg K, Pena E, Arbuckle J, Gentile J, Funk R, Singh D, Vinayek S. A prospective, open-label, single-arm, multi-center study of intraosseous basivertebral nerve ablation for the treatment of chronic low back pain. *Eur Spine J*, 28(7), pp 1594–1602, 2019.

Publications (Cont'd)

- Geck M, Singh D, Gunn H, Stokes J, Truumees E. Relationship Between Preoperative Plasma Fibrinogen Concentration, Perioperative Bleeding and Transfusions in Elective Adult Spinal Deformity Correction. *Spine Deformity*, 2019, 7(5), 788-795.
- Fischgrund JS, Rhyne A, Franke J, Sasso R, Kitchel S, Bae H, Yeung C, Truumees E, Schaufele M, Yuan P, Vajkoczy P, DePalma M, Anderson DG, Thibodeau L, Meyer B, Intraosseous Basivertebral Nerve Ablation for the Treatment of Chronic Low Back Pain: Two-year Results from a Prospective Randomized Double-blind Sham-controlled Multi-center Study, *Int J Spine Surg*, April 2019, 13 (2) 110-119.
- Truumees E. Commentary: Regionalization in Spine Trauma, *Neurosurgery*, Volume 85, Issue 6, December 2019, Pages E1002–E1003,
- Fischgrund JS, Rhyne A, Franke J, Sasso R, Kitchel S, Bae H, Yeung C, Truumees E, et al. Intraosseous basivertebral nerve ablation for the treatment of chronic low back pain: a prospective randomized double-blind sham-controlled multi-center study, *Eur Spine J*, 27(5), pp 1146–1156, 2018.
- Truumees E. Medical Management of Osteoporosis from A Spinal Surgeon’s Perspective. *Sem in Spine Surg* 30(1), Nassr A, Currier B, eds., 8-16, 2018.
- Anderson P, Truumees E. Prevention of Subsequent Fractures. *Sem in Spine Surg* 30(1), Nassr A, Currier B, eds., 24-31, 2018.
- Truumees E, Singh D, Geck M, Stokes J. Should Long Segment Cervical Fusions Be Routinely Carried into the Thoracic Spine? A Multi-Center Analysis. *The Spine Journal*. 2018 May;18(5):782-787.
- Geck MJ, Singh D, Gunn H, Stokes J, Truumees E, Is Preoperative Fibrinogen Testing Associated With Total Blood Loss in Adolescent Idiopathic Scoliosis Correction? *Spine Deformity*, 5(6), 381-6, 2017.
- Madera M, Brady J, Deily S, McGinty TL, Moroz L, Singh D, Tipton G, Truumees E. The role of physical therapy and rehabilitation after lumbar fusion surgery for degenerative disease: a systematic review. *J Neurosurgery*. 26(6), 694-704, 2017.
- Truumees E, Stokes JK, Geck M, Singh D. Occipital Cervical Rigid Internal Fixation in Pediatric Population- Outcomes and Complications: A Review. **In press, 2018.**
- Truumees E, Stokes JK, Geck M. Lumbar Microdiscectomy, *JBJS Essent Surg Tech*, 2016 Jan 27; 6 (1): e3
- Truumees E. The History of Discectomy Surgery, in Reitman C, ed, **Clinical Orthopedics and Related Research**, 473 (6), pp 1885-1895, 2015.
- Truumees E. Appropriate Use of Satisfaction Scores in Spine Care. *The Spine Journal*, Vol 13(9). 1013-1016.

Publications (Cont'd)

- Singh D, Truumees E, Hawthorne D, et al. Cervical stenosis in adults undergoing thoracolumbar deformity surgery: incidence, treatment and complications: Clinical article. *J Neurosurgery: Spine*, September 2013, Volume 19, Issue 3, Pages 269-393.
- Geck MJ, Truumees E, Hawthorne D, Flynn A, Stokes JK, Singh D. Feasibility of rigid upper Cervical Instrumentation in children: A Tomographic Analysis of Children aged 2-6. Analysis, *Journal of Spinal Disorders and Tech* 27(3). May, 2014.
- Sengupta D, Demetropoulos C, Herkowitz H, Abjornson C, Truumees E. Does the Lumbar Disc Prosthesis with a Fixed Axis of Rotation Affects the Instant Axis of Rotation of The Lumbar Spine? - a Biomechanical Study in Cadaver Spine. *In Press*.
- Erdem I, Truumees E, van der Meulen M. Simulation of the behaviour of the L1 vertebra for different material properties and loading conditions. *Comput Methods Biomech Biomed Engin*, Dec 8, 2011.
- Truumees E, Gaudu T, Dieterichs C, Geck M, Stokes J. Hematoma & Intra-operative Hemorrhage in a Spine Trauma Patient on Pradaxa® [Dabigatran]. *Spine*. 37(14):E863-5, 2012
- Truumees E. Commentary: Incorporating new technology into spine care: the case of resorbable cervical plates. *The Spine Journal* Vol. 11, Issue 11, pp 1009-1014 2011.
- Truumees E. Commentary: Minimally invasive corpectomy and posterior stabilization for lumbar burst fracture. *The Spine Journal* Vol. 11, Issue 9, pp 909-911, 2011.
- Truumees E, Dodwad S-N, Kazmierczak CD. Preoperative Embolization in the Treatment of Spinal Metastasis. *Journal of the American Academy of Orthopaedic Surgeons*. 18(8):449-453, August 2010.
- Francke E, Demetropoulos C, Truumees E, Herkowitz HN. Distractive Force Relative to Initial Graft Compression in an In Vivo Anterior Cervical Discectomy and Fusion Model. *Spine*, 35(5):526-530, March 1, 2010.
- Demetropoulos CK, Sengupta DK, Knaub MA, Wiater BP, Abjornson C, Truumees E, Herkowitz HN. Biomechanical evaluation of the kinematics of the cadaver lumbar spine following disc replacement with the ProDisc-L prosthesis. *Spine* 35(1) 26-31, 2010.
- Truumees E. Spinal Hemangiomas. *SpineLine*, Truumees E, editor, Sept-Oct 2009.
- Truumees E. Low Back Pain in the Aging Athlete. *Seminars in Spine Surgery* Vol. 22, Issue 4, Pages 222-233, 2010.
- Frush T, Fisher T, Demetropolous C, Truumees E. Biomechanical Evaluation of Parasagittal Occipital Plating: Screw Load Sharing Analysis. *Spine*. 34(9):877-884, April 20, 2009
- Truumees E, Demetropoulos C, Yang K, Herkowitz H. Effects of Disc Height and Distractive Forces on Graft Compression in an Anterior Cervical Corpectomy Model. *Spine*. 3(13):1438-1441, June 1, 2008.

Publications (Cont'd)

- Dodwad S-N, Truumees E. Fixation in the Osteoporotic Spine, part I. **SpineLine**, Truumees E, editor. Sept-Oct, 2008.
- Dodwad S-N, Truumees E. Fixation in the Osteoporotic Spine, part II. **SpineLine**, Truumees E, editor. Nov-Dec, 2008.
- Truumees E. Vertebroplasty & Kyphoplasty: Complications and their Management. **Seminars in Spine Surgery** Vol. 20, Issue 1, pp 53-66, 2008.
- Truumees E. Total Disk Arthroplasty. **Seminars in Spine Surgery**, Truumees E, Fischgrund J, editors, November 2007.
- Majid K, Truumees E. Incidence and Pathophysiology of Chronic Low Back Pain, in **Seminars in Spine Surgery**. Truumees E, Fischgrund J, editors, November 2007.
- Truumees E, Brkaric M. Anterior Lumbar Interbody Fusion in the Treatment of Chronic Low Back Pain, in **Seminars in Spine Surgery**. Truumees E, Fischgrund J, editors, November 2007.
- Truumees E, Francke E. Use of Navigation in the Placement of Lumbar Pedicle Screws, **AAOS Spine Techniques DVD**, Darden B, editor, 2007.
- Truumees E. Management of Complications of Vertebroplasty and Kyphoplasty. **Seminars in Spine Surgery: The Multiply Operated Back**, Stambough, J editor, July 2007.
- Truumees E. Kyphoplasty Demonstration, in Riew D, ed. **Standing Room Only 4: Spine Surgery: Evolving Applications and Techniques (DVD-ROM)**, AAOS, Fall 2006.
- Sengupta DK, Truumees E, Patel CK, et al. Outcome of Local Bone Versus Autogenous Iliac Crest Bone Graft in the Instrumented Posterolateral Fusion of the Lumbar Spine. **Spine** 31(9):985-991, April 20, 2006.
- Truumees E. Spine Surgery in Ghana. **Beaumont Orthopaedic Journal**, Vol II, May 2006.
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Clinical & Bench Research

- Site Principal Investigator, Orthofix M6-C Two Level IDE Pivotal Study, 2023 to 2024.
- Site Principal Investigator, Medtronic, Multicenter, randomized trial of Human BMP In lumbar transforaminal interbody fusions, 2020 to 2023.
- Site Principal Investigator, Seikagaku Pharmaceuticals, A Multicenter, Randomized, Double-blind, Sham-controlled, Comparative Study of SI-6603 in Subjects with Lumbar Disc Herniation, February 2020 to 2022.
- Site Principal Investigator, Dova Pharmaceuticals ACA-PST-320: An Open-Label Study to Evaluate the Efficacy and Safety of Avatrombopag for the Treatment of Subjects with Thrombocytopenia Scheduled for a Surgical Procedures, December 2017 -2019.
- Site Principal Investigator, Vertex Pharmaceuticals VX15-210-101 Spinal Cord Injury Trial, October 2017-2019.
- Site Principal Investigator, Stryker Bio4 as a Graft Substitute in Anterior Cervical Discectomy Surgery, March 2017-2020.
- Site Principal Investigator, Pfizer Staphylococcus Aureus Antigen Vaccine trial, 2015-2019.
- Site Principal Investigator, Stryker AccuLIF Post-Market Hydraulic TLIF Cage Trial, June 2015-2016. Study discontinued.
- Site Principal Investigator, SMART Trial sinuvertebral nerve ablation for anterior column spine pain. 2013-2016.
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- Site Principle Investigator. Comparison of Axiomed Lumbar Disc Replacement to ProDisc. 2008-2010
- Site Investigator. Comparison of the DePuy Discover Cervical Disc Replacement System with Anterior Cervical Discectomy and Fusion. 2008-2009.
- Principle Investigator. Comparison of Allograft Materials in Posterolateral Spine Fusion, A Rabbit Model, Sponsor: Osteotech, Completed. 2009.

Clinical & Bench Research (Cont'd)

Site Investigator, Spinal Outcomes Research Trial (SPORT), James Weinstein, Principle Investigator, NIH/NIAMS grant U01-AR45444-01A1. Completed.

Site Principle Investigator, Cervical Disk Arthroplasty with the Porous Coated Motion Sparing Device (PCM, Cervitech, Michael Wefers), Completed.

Site Principal Investigator, KAVIAR, Kyphoplasty vs. Vertebroplasty Study. 2006-2007.

Site Principle Investigator, Osteoporotic Vertebral Body Compression Fractures Prediction of Additional Fractures after Vertebral Augmentation. 2006-2007.

Site Investigator, Use of the OP-1 Product in Spinal Fusion for Degenerative Spondylolisthesis. Completed.

Site Investigator, Use of the ProDisc Lumbar Arthroplasty System in one and two level degenerative disk disease. 2003-2006. Completed.

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Truumees E, Biddinger A, Rao R, Demetropoulos CK, Fischgrund J, Herkowitz HN. Promotion of Annular Healing via Impregnation of annular defects with growth Factor Impregnated sponge, Completed

Truumees E, Bauer TW, Foreign Body Reaction to Polyethylene Presenting as a Large Soft Tissue Mass in Thigh, Completed

Visiting Professorships and Preceptorships

Visiting Professor, Cleveland Clinic Foundation, Department of Orthopaedic Surgery Residency Graduation, OH, May, 2022.

Visiting Professor, San Antonio Military Medical Center, Department of Orthopaedic Surgery Grand Rounds, San Antonio, TX, January 23, 2012.

Visiting Professor, University of Texas, San Antonio Department of Orthopaedic Surgery Grand Rounds, September 7, 2012.

Visiting Professor. Northwestern University, Department of Orthopaedic Surgery. Chicago, IL, June 2009.

Visiting Professor. Scott & White Hospital, Texas A & M University, Department of Orthopaedic Surgery. Temple, TX. August 2009.

Visiting Professor, Korle Bu Teaching Hospital, Department of Neurosurgery, University of Ghana, Accra. May 11, 2007.

Visiting Professor, Korle Bu Teaching Hospital, Department of Neurosurgery, University of Ghana, Accra. April 24, 2008.

Visiting Professorships and Preceptorships (Cont'd)

Preceptorship, Department of Neurosurgery, University of Siena, Italy, March 2009.

Preceptorship, Jürgen Harms, MD, PhD, Karlsbad, Germany, January, 2009.

Visiting Professor. University of Toledo, Department of Orthopaedic Surgery. Grand Rounds. December 20, 2008.

Preceptorship, Luiz Pimenta, MD, Sao Paulo, Brazil, February 2005.

Preceptorship, Drs. LJ Nels Jr. and Sr., Pretoria, South Africa, 2004.

Visiting Professor, Westchester Medical Center, Department of Orthopaedic Surgery Grand Rounds, Westchester, NY, April 26, 2004.

Visiting Professor, Sao Paulo Spine Symposium, Sao Paulo, Brazil, Sep 1, 2004.

Visiting Professor, Department of Physical Medicine and Rehabilitation Grand Rounds, Wayne State University, Detroit, MI, October 8, 2002.

Visiting Professor, Spine Grand Rounds, Louisville, Kentucky, Chair: Richard Holt. March 1, 2002.

Visiting Professor, Henry Ford Hospital Department of Orthopaedic Surgery. Detroit, MI. August 8, 2001.

Visiting Professor, Texas Back Institute, Spine Grand Rounds Plano, Texas. August 24, 2001.

Visiting Professor, Orthopaedic Grand Rounds, University of Virginia Charlottesville, VA, January 12, 2000.

Visiting Professor, Department of Physical Medicine and Rehabilitation Grand Rounds, William Beaumont Hospital, Royal Oak, MI, February 14, 2000.

Visiting Professor, Wright State University, Department of Orthopaedic Surgery, Dayton, OH, November 19, 2003.

Presentations

- Evaluating Clinically Meaningful Outcomes in Adult Spinal Deformity Surgery: MCID Analysis of Functional and Social Improvements. Accepted at the Global Spine Congress (GSC), 2026, Istanbul
- Radiographic Predictors of Functional and Pain Outcomes in Scheuermann's Kyphosis: A ROC-Based Minimal Clinically Important Difference (MCID) Analysis. Accepted at the Global Spine Congress (GSC), 2026, Istanbul
- Impact of T1 Slope–Cervical Lordosis Discrepancy on Sagittal Vertical Axis and Patient-Reported Outcomes Following Posterior Cervical Fusion. American Academy of Orthopaedic Surgeons (AAOS), 2026, New Orleans
- The Impact of Pelvic Incidence on T1 Slope and T1 Pelvic Angle in Biomechanical Models with Varying Spinal Curvature. SpineSummit, 2026, Phoenix
- Radiographic Predictors of Functional and Pain Outcomes in Scheuermann's Kyphosis: A ROC-Based Minimal Clinically Important Difference (MCID) Analysis. SpineSummit, 2026, Phoenix
- Impact of T1 Pelvic Angle Improvement on Cervical Lordosis: A Retrospective Analysis of Postoperative Outcomes in Patients Undergoing Deformity Correction. SpineSummit, 2026, Phoenix
- Clinical and Radiographic Predictors of Postoperative Outcomes in Spinal Surgery for Scheuermann's Kyphosis. SpineSummit, 2026, Phoenix
- Effect of Thoracic Inlet Angle on Cervicothoracic Parameters and Patient Reported Outcomes in Posterior Multi-Cervicothoracic Fusion. SpineSummit, 2026, Phoenix
- Impact of T1 Slope-Cervical Lordosis Discrepancy on Sagittal Vertical Axis and Patient Reported Outcomes Following Posterior Cervical Fusion: A Multi-Center Retrospective Analysis. SpineSummit, 2026, Phoenix
- Influence of Surgery Type, Preoperative Scores, and Complications on Recovery Trajectories in Patients Undergoing Spinal Surgery: A Retrospective Cluster Analysis. SpineSummit, 2026, Phoenix
- Evaluation of Erector Spinae Plane (ESP) Blocks for Postoperative Pain Control in Lumbar Spinal Fusion Patients. SpineSummit, 2026, Phoenix
- Impact of T1 Slope-Cervical Lordosis Discrepancy on Sagittal Vertical Axis and Patient Reported Outcomes Following Posterior Cervical Fusion: A Multi-Center Retrospective Analysis. North American Spine Society, Denver, 2025
- Erector Spinae Plane (ESP) Blocks for Postoperative Pain Control in Lumbar Spinal Fusion Patients. Lumbar Spine Research Society (LSRS), 2025, Chicago.

Presentations (Cont'd)

Does Cervicothoracic Flexibility Affect Clinical Outcomes in Patients Undergoing Multilevel Posterior Cervical Fusions? North American Spine Society (NASS), 2024, Chicago.

What Effect Does T1 Slope Have on Sagittal Balance in Three or More Level Posterior Cervical Fusions? Spine Across the Sea, 2024, Kauai, Hawaii.

Fusion Level Selection in Osteoporotic Patients. Spine Across the Sea, 2024, Kauai, Hawaii.

The Role of Physical Therapy after Posterior Cervical Fusion. Spine Across the Sea, 2024, Kauai, Hawaii.

What Effect Does T1 Slope Have on Sagittal Balance in Three or More Level Posterior Cervical Fusions? AAOS Annual Meeting, 2024, San Francisco.

What Effect Does T1 Slope Have on Sagittal Balance in Three or More Level Posterior Cervical Fusions? Cervical Spine Research Society Annual Meeting, 2023, Las Vegas.

Feasibility and Outcomes of Mini Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS): 2-5 Years Follow-up. International Meeting on Advanced Spine Techniques (IMAST), 2023, Dublin, Ireland.

Effect Does T1 Slope Have on Sagittal Balance and the Relationship with Caudal End of Three or More Level Posterior Cervical Fusions? SpineWeek, May, 2023, Melbourne Australia.

What Perioperative Factors are Associated with High-Risk Daily Morphine Milligram Equivalent Totals in Spinal Decompressions? SpineWeek, May 2023, Melbourne Australia.

Bridging the Cervicothoracic Junction During Multi-Level Posterior Cervical Decompression and Fusion - A Systematic Review and Meta-Analysis. SpineWeek, May 2023, Melbourne Australia.

Basivertebral Nerve Ablation in the Management of Chronic Low Back Pain. SpineWeek, May 2023, Melbourne Australia.

Comparison of Adolescent Idiopathic Scoliosis (AIS) Correction-Open vs. Minimally Invasive Cohorts: A 2 Year Radiographic and Surgical Outcome Study. American Academy of Orthopedic Surgeons (AAOS), Las Vegas March, 2023.

Clinical Characteristics of 96 Patients Presenting with Hematogenous Spinal Osteomyelitis- A Retrospective Study. North American Spine Society (NASS), Chicago, October, 2022.

Presentations (Cont'd)

- Avoiding Complications in Adult Deformity Surgery, Sociedad Ecuatoriana De Ortopedia Y Traumatología, September, 2022.
- Decision Making in Odontoid Fractures, Sociedad Ecuatoriana De Ortopedia y Traumatología, September, 2022.
- Cervical Spine Injuries in Sports, Clinical Orthopaedic Society, San Antonio Afshin Razi, Moderator, September 2022.
- Using Machine Learning to Identify Patients Likely To Choose Surgery For One Level Anterior Cervical Disc Herniations. Cervical Spine Research Society -Europe, June 2022, Barcelona, Spain.
- Outcomes In Patients with Vertebral Injury After Blunt Cervical Spine Trauma. Cervical Spine Research Society-Europe, June 2022, Barcelona, Spain.
- A New Taxonomy for Failed Spine Surgery. Belgium International Spine Symposium, Brussels, December, 2021.
- PMMA Augmentation of Transpedicular Lumbar Instrumentation, Global Spine Congress, Paris, November, 2021.
- Incorporating New Technologies into Spine Practice, Global Spine Congress, Paris, November, 2021.
- Presidential Address, North American Spine Society, Boston, October, 2021.
- Spine Care as a Right or a Luxury, Spine20, Rome, September 2021.
- Debate: Cervical Myelopathy and OPLL. Spine Across the Sea, Kona, Hawaii, July, 2021.
- Meeting Introduction, Pakistan Spine Society, 3rd Combined Meeting, Lahore [virtual], December, 2020.
- Spine Care in Developing Nations, S20 presentation at 2020 G20 Meeting, Riyadh, [virtual] December 2020.
- Cervico-Thoracic Osteotomy: Tips and Pearls. 3rd Annual Meeting of the Saudi Spine Society, Virtual Meeting, November, 2020.
- Should Long Posterior Cervical Fusions Stop at C7?, Cervical Spine Research Society Featured Paper, Virtual Meeting, December 2020.
- Should Long Posterior Cervical Fusions Stop at C7?, NASS Annual Meeting, Virtual, October 2020.
- Retrospective Analysis of Lumbar Radiculopathy Treatment: Do Care Pathways Emphasizing Conservative Measures Really Work? WorldSpine, Melbourne, Australia, April 28, 2020 (meeting cancelled due to COVID 19).

Presentations (Cont'd)

Radiographic and Surgical Outcome Analysis of Lenke 1A Adolescent Idiopathic Scoliosis (AIS) Correction: Open vs. Minimally Invasive. WorldSpine, Melbourne, Australia, April 28, 2020 (meeting cancelled due to COVID 19).

Analysis of Scoliosis-Specific Information on Social Media: Is Social Media the New Source of Online Medical Information and Support? WorldSpine, Melbourne, Australia, April 28, 2020 (meeting cancelled due to COVID 19).

Thoracic Fracture Fixation Failure in Ankylosing Spondylitis, FOSA, AAOS Annual Meeting 2020 (meeting cancelled due to COVID 19).

Osteoporosis in Deformity Surgery, 9th Annual Meeting of the Egyptian Spine Society Cairo, Egypt, November 2019.

Basivertebral Nerve Ablation in the Management of Low Back Pain, 9th Annual Meeting of the Egyptian Spine Society, Cairo, Egypt, November 2019.

The Wiltse Approach to Far Lateral Lumbar Pathology, 9th Annual Meeting of the Egyptian Spine Society, Cairo, Egypt, November 2019.

Osteoporosis in Deformity Surgery, 3rd Annual Meeting of the Saudi Spine Society, Dammam, KSA, November 2019.

The Wiltse Approach to Far Lateral Lumbar Pathology, 3rd Annual Meeting of the Saudi Spine Society, Dammam, KSA, November 2019.

Improving Fixation in Osteoporotic and Compromised Bone, NASS Summer Spine Meeting, Honolulu, HI, July, 2019.

Achieving Reduction in Cervical Spine Trauma, NASS Summer Spine Meeting, Honolulu, HI, July, 2019.

Fusion vs. Arthroplasty in Cervical Degenerative Disease, Chinese Orthopaedic Association Annual Meeting, Xiamen, PRC, November 22, 2018.

Decompression of the Cervical Spine in OPLL, 2nd Annual Meeting of the Saudi Spine Society, Jeddah, KSA, November 17, 2018.

Elective Spine Surgery in the Elderly, 2nd Annual Meeting of the Saudi Spine Society, Jeddah, KSA, November 17, 2018.

Introduction and Optimization of Intra-Operative Neurophysiological Monitoring, 2nd Annual Meeting of the Saudi Spine Society, Jeddah, KSA, November 17, 2018.

Sports Injuries and the Spine. Nevada Orthopaedic Society Annual Meeting, Las Vegas, May 4, 2018.

Osteoporosis in 2018: Find it and Treat it to Improve Outcomes and Reduce Complications. Nevada Orthopaedic Society Annual Meeting, Las Vegas, May 4, 2018.

Presentations (Cont'd)

- Should Intra-Operative Monitoring Be Used in Anterior Cervical Spine Surgery, American Academy of Neurological Surgeons and Congress of Neurosurgery Spine Summit, Orlando, March, 2018.
- Stingers and Cervical Canal Stenosis, American Academy of Neurological Surgeons and Congress of Neurosurgery Spine Summit, Orlando, March, 2018.
- Clinical Evaluation of Osteoporosis, American Academy of Orthopaedic Surgeons, Fragility Fracture Symposium, Orlando, March, 2018.
- Clinical Evaluation of Osteoporosis, National Association of Orthopaedic Nurses, Orlando, March, 2018.
- Improving Fixation in Osteoporotic and Compromised Bone, 1st Annual Meeting of the Saudi Spine Society, Riyadh, KSA, December 20, 2017.
- Management of Cervical Spine Deformity, 1st Annual Meeting of the Saudi Spine Society, Riyadh, December 20, 2017.
- Does Age, Obesity, and Sex Affect Radiographic and Clinical Outcomes in Patients Undergoing Long Cervico-Thoracic Fusions: A Multicenter Analysis. Annual Meeting of the North American Spine Society, Orlando, FL, Oct 25, 2017.
- The Impact of Physical Therapy on the Outcome of Lumbar Fusion for Degenerative Conditions. Annual Meeting of the North American Spine Society, Orlando, FL, Oct 25, 2017.
- Should Long Segment Cervical Fusions Be Routinely Carried into the Thoracic Spine? Multi-center Analysis. *Best Paper Nominee*. Annual Meeting of the North American Spine Society, Orlando, FL, Oct 25, 2017.
- Clinical and Mechanical Considerations in Extension of Fusion Across the Cervico-Thoracic Junction, 37th Annual Congress of Orthopaedics and Traumatology, Tomasz Niedźwiecki, MD, PhD, Chairman, June 23, 2017, Ostróda, Poland.
- Improving Fixation in Osteoporotic and Compromised Bone, 18th Annual Dubai International Spine Conference, Abdul Karim Msaddi, Chairman, Dubai, UAE, May 1-7, 2017.
- Surgical Anatomy of the Lumbar Spine, 18th Annual Dubai International Spine Conference, Abdul Karim Msaddi, Chairman, Dubai, UAE, May 1-7, 2017.
- Timing of Surgery in Spinal Cord Injury, 18th Annual Dubai International Spine Conference, Abdul Karim Msaddi, Chairman, Dubai, UAE, May 1-7, 2017.
- Post-Fusion Rehabilitation, 18th Annual Dubai International Spine Conference, Abdul Karim Msaddi, Chairman, Dubai, UAE, May 1-7, 2017.
- Should Long Segment Cervical Fusions Be Routinely Carried To the Thoracic Spine? Multi-Center Analysis. Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando, March, 2017.
- Pseudarthrosis In Patients Undergoing Multilevel Posterior Cervical Fusion. Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando, March, 2017.

Presentations (Cont'd)

- Anterior-Posterior Surgery in the Correction of Cervical Spinal Deformity, Third Annual Meeting of the ArabSpine Society, Khartoum, Sudan, February 16, 2017.
- Decision Making in Subaxial Cervical Spine Trauma, Third Annual Meeting of the ArabSpine Society, Khartoum, Sudan, February 17, 2017.
- Occipital and Atlanto-Axial Fixation Techniques, Third Annual Meeting of the ArabSpine Society, Khartoum, Sudan, February 16, 2017.
- Improving Fixation in Osteoporotic and Compromised Bone, Third Annual Meeting of the ArabSpine Society, Khartoum, Sudan, February 16, 2017.
- Should Long Segment Cervical Fusions Be Routinely Carried To the Thoracic Spine? Multi-Center Analysis. Cervical Spine Research Society, Toronto, Dec 2, 2016.
- Pseudarthrosis In Patients Undergoing Multilevel Posterior Cervical Fusion. Cervical Spine Research Society, Toronto, Dec 2, 2016.
- Effects of Age, Obesity and Sex on Radiographic and Clinical Outcomes of Long Posterior Cervical Spine Reconstruction, Cervical Spine Research Society, Toronto, Dec 2, 2016.
- Clinical Decision Making in Subaxial Cervical Spine Trauma, Instructional Course for the Annual Meeting of the Cervical Spine Research Society, Toronto, CA, November 30, 2016.
- The Role of Physical Therapy and Rehabilitation after Lumbar Fusion Surgery for Degenerative Disease: A Systematic Review. Annual Meeting of the North American Spine Society, Boston, MA, October 25, 2016.
- Pre-operative Fibrinogen Testing in Adult Spinal Deformity Surgery. Annual Meeting of the North American Spine Society, Boston, MA, October 25, 2016.
- Case Controversies in Navigation and Robotic Spine Surgery. Annual Meeting of the North American Spine Society, Boston, MA, October 25, 2016.
- Clinical Decision Making in Spinal Surgery in Aging and Medical Fragile Individuals. Annual Meeting of the Texas Department of Aging and Disability Services, Austin, TX, November 3, 2016.
- Spine Problems in the Mature Athlete. Annual Meeting of the Connecticut Orthopaedic Society, Farmington, CT, May 13, 2016.
- Marketing Your Practice. Annual Meeting of the Connecticut Orthopaedic Society, Farmington, CT, May 13, 2016.
- The Role of Physical Therapy and Rehabilitation after Lumbar Fusion Surgery for Degenerative Disease: A Systematic Review. Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando, FL, March, 2016.

Presentations (Cont'd)

- Pre-operative Fibrinogen Testing in Adolescent Idiopathic Scoliosis Surgery. Annual Meeting of the American Academy of Orthopaedic Surgeons, Orlando, FL, March, 2016.
- Do Navigation and Robotic Spine Surgery Have a Place in the New Era of Value-based Purchasing?, Navigation Symposium, Patel CK, Chair, 30th Annual Meeting of the North American Spine Society, Chicago, IL, October 15, 2015.
- Obesity Effects on Peri- and Postoperative Outcomes in Complex Spinal Reconstructive Surgery, Podium Presentation, 30th Annual Meeting of the North American Spine Society, Chicago, IL, October 14, 2015.
- Getting Involved in Societies, Young Spine Surgeons Forum, Chaudhary SB, Radcliff KE, Chairs, 30th Annual Meeting of the North American Spine Society, Chicago, IL, October 14, 2015.
- The Importance of a Good Review, The Spine Journal Reviewers Forum (also a webinar) 30th Annual Meeting of the North American Spine Society, Chicago, IL, October 14, 2015.
- Laminoplasty Tips and Tricks, Spine Study Group Annual Meeting, Vaccaro A & Lee YP, chairs, Miami, FL, May 2015.
- Cervical Degenerative Disease Debate: Arthroplasty. Spine Study Group Annual Meeting, Vaccaro A & Lee YP, chairs, Miami, FL, May 2015.
- TLIF in Lumbar Degenerative Disease, AAOS Annual Meeting Specialty Day, Charles Reitman, chair, Las Vegas, February 2015.
- Uses of Patient Reported Outcomes Measures Outside of Clinical Research, Cervical Spine Research Society Instructional Course, Alpesh Patel, Chair, Orlando, December 3, 2014.
- The Role of Anterior & Posterior Surgery in the Kyphotic Patient with Myelopathy, CSRS Section/FOSA Specialty Day, 2014 Annual Meeting of the American Academy of Orthopaedic Surgeons, March 15, 2014, New Orleans.
- T₁ Pedicle Screw Placement, Cervical Spine Research Society Techniques Course, John Rhee & Ronald Lehman, chairs, St. Louis, MO, February 21, 2014.
- Classification of Thoracolumbar Trauma, Association for Collaborative Spine Research Winter Meeting, Alexander Vaccaro, Chair, San Diego, CA, January 30, 2014.
- The Role of Pedicle Screws in the Management of Degenerative Spondylolisthesis, Association for Collaborative Spine Research Winter Meeting, Alexander Vaccaro, Chair, San Diego, CA, January 30, 2014.
- C₁-C₂ Instrumentation & Fusion Techniques, Cervical Spine Research Society Instructional Course, Alpesh Patel, Chair, December 4, 2013.

Presentations (Cont'd)

Fusion Adjuncts in Anterior Cervical Spine Surgery, Novel Anterior Reconstruction Symposium, R. Sasso, Chair, New Orleans, LA, October 9, 2013.

Antithrombotic Therapy in Spinal Injury, AAOS Specialty Day, Alexander Vaccaro, Chair, March 23, 2013.

Posterior Cervico-Thoracic Fixation, Cervical Spine Research Society Techniques Course, John Rhee & Ronald Lehman, chairs, St. Louis, MO, February 24, 2013.

Assessment of Osteoporosis, Association for Collaborative Spine Research Winter Meeting, Alexander Vaccaro, Chair, San Diego, CA, February 18, 2013.

Rationing Healthcare: Oregon and the UK, Association for Collaborative Spine Research Winter Meeting, Alexander Vaccaro, Chair, San Diego, CA, February 18, 2013.

Cervical Degenerative Disease, University of Texas, San Antonio Department of Orthopaedic Surgery Grand Rounds, John Toohey, Chair, September 7, 2012.

Lumbar Degenerative Disease, University of Texas, San Antonio Department of Orthopaedic Surgery Grand Rounds, John Toohey, Chair, September 7, 2012.

Directed vs. Standard Vertebroplasty in the Treatment of Thoracolumbar Metastases, Spine Across the Sea, July 29, 2012, Kauai, HI, Bae H, Chair.

Iatrogenic and Degenerative Cervical Deformity. Spine Across the Sea, July 30, 2012, Kauai, HI, Santiago, Paul, Chair.

Measuring Outcomes in Spine Practice. 23rd Symposium of the Spine Study Group, May 17-20, 2012, Palm Beach, FL, Grauer J, Chair.

How to Address TLIF Non-Unions, 23rd Symposium of the Spine Study Group, May 17-20, 2012, Palm Beach FL, Grauer J, Chair.

Dysphagia and Dysphonia. Cervical Spine Research Society: Advanced Cervical Spine Reconstruction Course, February 16-18, 2012, St. Louis, MO, Rhee J, Chair.

Lateral Mass Screw Placement. Cervical Spine Research Society: Advanced Cervical Spine Reconstruction Course, February 16-18, 2012, St. Louis, MO, Rhee J, Chair.

Physical Examination of the Neurologically Impaired Patient: Optimal Timing for Exam Accuracy? What Really is Spinal Shock and What Reflexes Return First?" American Academy of Orthopaedic Surgeons Specialty Day, February 11, 2012, San Francisco, CA, Vaccaro A, Chair.

Intellectual Property, San Antonio Military Medical Center, Department of Orthopaedic Surgery Grand Rounds, January 23, 2012, San Antonio, TX, Anderson E, Chair.

Presentations (Cont'd)

Choosing A Spine Fellowship. TBI Residents Program, Jan 14-15, 2012, Plano, TX, Guyer R, Chair.

Choosing A Practice. TBI Residents Program, Jan 14-15, 2012, Plano, TX, Guyer R, Chair.

Practicing in the Current Health-care Climate. TBI Residents Program, Jan 14-15, 2012, Plano, TX, Guyer R, Chair.

Pre-Operative Embolization in the Treatment of Cervical Metastases, Cervical Spine Research Society Instructional Course, December 7, 2011. Phoenix, Az, Wang J, Chair.

Upper Cervical Trauma, Grand Rounds, Korle Bu Department of Neurosurgery, University of Ghana, Accra, November 2011, Akoto H, Chairman.

Cervico-Thoracic Reconstruction, Grand Rounds, Korle Bu Department of Neurosurgery, University of Ghana, Accra, November 2011, Akoto H, Chairman.

Measuring Outcomes in Spine Care. Combined Seton Low Back Pain Project, Austin, TX, August, 2011, Tipton B, Chair.

Essential Elements to Starting a Spine Practice. Texas Back Institute, July 2011, Plano, TX, Guyer R, Chairman.

Use of Negative Pressure Wound Therapy. 22nd Symposium of the Spine Study Group, May 2011 Palm Beach, FL, Rhee J, Chairman.

Treatment of Degenerative Scoliosis in the Osteoporotic Spine, 22nd Symposium of the Spine Study Group, May 2011, Palm Beach, FL, Rhee J, Chairman.

Static vs. Dynamic Plates in Anterior Cervical Fixation. Debate with A Hilibrand, T Albert, moderator. 22nd Symposium of the Spine Study Group, May 2011 Palm Beach, FL, Rhee J, Chairman.

Cauda Equina vs. Conus Injury, ASIA Section/FOSA Specialty Day, 2011 Annual Meeting of the American Academy of Orthopaedic Surgeons, February 19, 2011, San Diego.

Pathophysiology, Natural History and Evaluation of Patients with Cervical Degenerative Disease, Instructional Course Lecture 421, 2011 Annual Meeting of the American Academy of Orthopaedic Surgeons, February 18, 2011, San Diego.

Natural History of Cervical Radiculopathy, REMC Spine Summit, Brodke D & Youssef J, chairs, February 3, 2011, Park City, Utah.

MRI in the Evaluation of Cervical Facet Dislocation: Debate, REMC Spine Summit, Brodke D & Youssef J, chairs, February 3, 2011, Park City, Utah.

Dyphonia and Dysphagia after Cervical Spine Surgery, CSRS Advanced Cervical Reconstruction Course, Rhee J, Chair, January 28, 2011.

Presentations (Cont'd)

Biomechanics of Interbody Cages, Interbody Symposium, Mitchell WR, chair: 25th Annual Meeting of the North American Spine Society, October, 2010, Orlando.

Whiplash: Medical Overview. World Congress of Biomechanics, July, 2010, Singapore.

Pathophysiology, Natural History and Evaluation of Patients with Cervical Degenerative Disease, Instructional Course Lecture 271, 2010 Annual Meeting of the American Academy Of Orthopaedic Surgeons, March 11, 2010, New Orleans.

Principles, Indications and Selection of Approach in Interbody Fusion, Interbody Symposium, McLain RA, chair: 24th Annual Meeting of the North American Spine Society, San Francisco, CA, Nov 10, 2009.

Improving Fixation in the Osteoporotic Spine. Northwestern University. June 2009.

Improving Fixation in the Osteoporotic Spine. Scott & White Hospital, Texas A & M University, August 2009.

Thoracolumbar Burst Fractures: Anterior or Posterior Management? 20th Symposium of the Spine Study Group, Palm Beach Florida, Truumees E, Chairman, May 2009.

Spinal Cord Signal Anomalies. 20th Symposium of the Spine Study Group, Palm Beach Florida, Truumees E, Chairman, May 2009.

Natural History and Evaluation of Patients with Cervical Degenerative Disease, Instructional Course Lecture 369, 2009 Annual Meeting of the American Academy Of Orthopaedic Surgeons, February 27, 2009, Las Vegas.

Complex Cervical Spine Reconstruction, Grand Rounds, University of Cincinnati, November 22, 2008.

Anterior-Posterior Cervical Spine Reconstruction. Grand Rounds. University of Toledo, December 20, 2008.

TLIF and PLIF: Techniques and Pearls. AAOS Contemporary Techniques in Spinal Surgery, Emery SE, Sasso R Chairs, Sep 18-20, 2008. Rosemont, IL.

Interspinous Process Distractors for Decompression. AAOS Contemporary Techniques in Spinal Surgery, Emery SE, Sasso R Chairs, Sep 18-20, 2008. Rosemont, IL.

Osteoporosis and Osteomalacia. AAOS Boomeritis Course, Hawkins R, chair, April 17-19, 2008, Hilton Head, SC.

Complex Vertebral Augmentation. Beaumont Latin American Meeting, Fischgrund J, chair. June 11-13, 2008.

Spine and the Mature Athlete. AAOS Boomeritis Course, Hawkins R, chair, April 17-19, 2008, Hilton Head, SC.

Thoracolumbar Trauma, Korle Bu Teaching Hospital, University of Ghana, Accra. April 24, 2008.

Presentations (Cont'd)

- Embolization in the Treatment of Cervical Metastases. CSRS Instructional Course, Wang J and Riew KD, Chairs, Nov 28th, 2007, San Francisco, CA.
- Interspinous Process Distractors for Decompression. AAOS Contemporary Techniques in Spinal Surgery, Phillips FM, Emery SE, Chairs, Nov 8-10, 2007. Rosemont, IL.
- TLIF and PLIF: Techniques and Pearls. AAOS Contemporary Techniques in Spinal Surgery, Phillips FM, Emery SE, Chairs, Nov 8-10, 2007. Rosemont, IL.
- Cervical Spine Trauma, Korle Bu Teaching Hospital, Departments of Neurosurgery And Orthopaedic Surgery, University of Ghana, Accra. May 11, 2007.
- Red Flags in Spine Surgery. Spine Symposium, Bell GR, Chair. Mid-America Orthopaedics Association Annual Meeting, Boca Raton, FL, April 12, 2007.
- Are Access Surgeons Needed for Total Disc Arthroplasty? 18th Meeting of the Spine Study Group, Albert, T, Chair, Palm Beach, FL, May 2007.
- Total Disc Arthroplasty: Clinical Outcomes in 2007. 18th Meeting of the Spine Study Group, Albert, T, Chair, Palm Beach, FL, May 2007.
- Vertebral Body Augmentation: Update for 2007. AAOS Minimally Invasive Spine Surgery Course, Wang, Orr, Truumees, Co-Chairs, March 21, 2007, St. Louis, MO.
- Minimally Invasive Treatment Options in the Osteoporotic Spine. National Osteoporosis Federation Annual Meeting, Washington, DC, April 22, 2007.
- Fixation in the Osteoporotic Spine. New Technology in Spine, Whistler, BC, January, 2007, Rehtine GR, chair.
- Surgical Considerations in the Patient with Multiple Sclerosis. Presented at the 34th Annual Meeting of the Cervical Spine Research Society, November 30-December 2nd, 2006, Palm Beach, FL.
- Microdiscectomy and Revision Microdiscectomy. American Academy of Orthopaedic Surgeons, Modern Techniques in Spine Surgery, November 16-18, 2006, Rosemont, IL, K Dan Riew, MD, Chair.
- Posterior Dynamic Rodding Systems. Symposium: Motion Preservation in Lumbar Spine Surgery. 2006 Annual Meeting of the Michigan State Medical Society, October 25th, 2006.
- Principles, Indications and Selection of Approach in Interbody Fusion, Interbody Symposium, McLain RA, chair: 21st Annual Meeting of the North American Spine Society, Seattle, WA, Sept 26, 2006.
- Cervical Laminectomy and Laminoplasty. Advanced Techniques in Spinal Decompression, Rehtine GR, Taylor B, chairs. St. Louis, May 5-7, 2006.

Presentations (Cont'd)

- Cervicore: Design Rationale, 17th Meeting of the Spine Study Group, Stambough J, chair, Palm Beach, FL, May 17-20th, 2006.
- Prodisc: Design Rationale, 17th Meeting of the Spine Study Group, Stambough J, chair, Palm Beach, FL, May 17-20th, 2006.
- Design Limitations of Current Disc Replacement Systems, 17th Meeting of the Spine Study Group, Stambough J, chair, Palm Beach, FL, May 17-20th, 2006.
- Fixation in Osteoporotic Bone. 17th Meeting of the Spine Study Group, Stambough J, chair, Palm Beach, FL, May 17-20th, 2006.
- Nucleus Replacement: Rationale and Design. 3rd Meeting of Innovative Techniques in Spine Surgery, Phillips F, Chair. Cabo San Lucas, Mexico, June 21-23, 2006.
- Nucleus Replacement: Indications and Outcomes. 3rd Meeting of Innovative Techniques in Spine Surgery, Phillips F, Chair. Cabo San Lucas, Mexico, June 21-23, 2006.
- Kyphoplasty. Emerging Indications. 3rd Meeting of Innovative Techniques in Spine Surgery, Phillips F, Chair. Cabo San Lucas, Mexico, June 21-23, 2006.
- An Update on the Pathophysiology and Classification of Spinal Stenosis. Instructional Course Lecture. Herkowitz, HN Moderator, Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Chicago, IL, March 24, 2006.
- Role of Level I Evidence in the Acceptance of New Spine Technology. Symposium. 19th Annual Meeting of the International Intradiscal Therapy Society, Tony Yeung, Chair, Phoenix, AZ, April 6-8, 2006.
- Horner's Syndrome. CSRS Annual Meeting: Instructional Course, San Diego, Dec 6-8, 2005.
- An Update on Cervical Spine Trauma. Grand Rounds. Neurosurgery Residency. Korle Bu Teaching Hospital, Ghana, November 17, 2005.
- Total Disk Arthroplasty. AAOS/ NASS Combined Minimally Invasive Spine Techniques Course. Wong D and Truumees E, Co-Chair, St. Louis, April 8-10, 2005.
- Complications of Anterior Cervical Spine Surgery. Advanced Techniques in Spine Surgery. Taylor B and Rehtine GR, Chairs, St. Louis, March 18-20, 2005.
- Biology and Biomechanics of Lumbar Disk Arthroplasty. 2nd Meeting of Innovative Techniques in Spine Surgery, Phillips F, Chair. Cabo San Lucas, Mexico, July 20-23, 2005.
- The Spine History. Pre-Fellowship Course, Hall H, Chair. New York, NY, May 20-21, 2005.
- Kyphoplasty vs. Vertebroplasty Debate Revisited. 16th Meeting of the Spine Study Group, Albert, TN, Chair. Palm Beach, FL, June 8-12, 2005.

Presentations (Cont'd)

- Classifications and Pathophysiology of Spinal Stenosis. Instructional Course Lecture. Herkowitz, HN Moderator, Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), Washington, D.C., February 24, 2005.
- Ankylosing Spondylitis. 17th Annual Contemporary Update on Disorders of the Spine. Rechtine GR, Chairman, Whistler, British Columbia, Canada, Jan 15-21, 2005.
- Cervical Disk Arthroplasty. Advanced Applications and Techniques in Spine Surgery, AAOS. Chair: Fischgrund JS, Rosemont, IL, November 2004.
- Complications of Cervical Spine Surgery. Taylor B, Moderator, 19th Annual Meeting of the North American Spine Society, Chicago, IL. October 26, 2004.
- Posterior Cervical Decompression and Stabilization. Taylor B, Moderator, 19th Annual Meeting of the North American Spine Society, Chicago, IL. October 26, 2004.
- Anatomic Nuances of Vertebral Augmentation Procedures. Faciszewski T, Moderator, 19th Annual Meeting of the North American Spine Society, Chicago, IL. October 26, 2004.
- Technical Nuances of Kyphoplasty. Faciszewski T, Moderator, 19th Annual Meeting of the North American Spine Society, Chicago, IL. October 26, 2004.
- Motion Preservation and Disc Arthroplasty. Innovative Techniques in Spine Surgery, Cabo San Lucas, Mexico, Aug 2, 2004.
- Kyphoplasty in the Treatment of Tumors and Burst Fractures. San Diego Spine Symposium, B. Akbarnia, host. Sept 25, 2004.
- Anterior Thoracolumbar Reconstruction in Tumors and Burst Fracture. SpineWeek, Porto, Portugal, May 31, 2004.
- Evaluation and Management of Cervical Degenerative Disease, Ghanaian Spine Meeting, Accra, Ghana, May 5, 2004.
- Corpectomy Techniques in Thoracolumbar Trauma. Westchester Medical Center, Department of Orthopaedic Surgery Grand Rounds, April 26, 2004.
- Classifications and Pathophysiology of Spinal Stenosis. Instructional Course Lecture. Herkowitz, HN Moderator, Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), San Francisco, March 11, 2004.
- Outcomes and Complications of Cervical Disc Arthroplasty. Federation of Spine Societies Specialty Day, Annual Meeting of the American Academy of Orthopaedic Surgeons (AAOS), San Francisco, March 13, 2004.
- Decompression for Spinal Stenosis and Spondylolisthesis. NASS Spine Course. Chair: David Wong, Rosemont, IL, March 19, 2004.

Presentations (Cont'd)

Cervical Discectomy, Fusion and Foraminotomy: How and Why. American Society of Spine Radiologists, Annual Symposium, February 18, 2004, Miami, FL, Chair: GH Zoarski.

New Materials for Vertebral Augmentation. American Society of Spine Radiologists, Annual Symposium, February 18, 2004, Miami, FL, Chair: GH Zoarski.

Thoracolumbar Corpectomy. Wright State University, Department of Orthopaedic Surgery, Dayton, OH, November 19, 2003.

Emerging Trends in Osteoporosis of the Spine. Dayton Orthopaedic Society. Dayton, OH, November 18, 2003.

Pathophysiology and Treatment of Osteoporosis. Advanced Applications and Techniques in Spine Surgery, AAOS. Chair: Vaccaro AR, Chicago November 2003.

Comparing Vertebroplasty and Kyphoplasty. Worldspine II, Chicago. August 11, 2003. Chair: Frank Phillips.

Posterior Thoracolumbar Anatomy. Advanced Techniques in Spinal Decompression and Fixation, May 7, 2003. St. Louis, Chairs: Taylor B, Rechtine GR.

Anterior Thoracolumbar Decompression and Reconstruction. Advanced Techniques in Spinal Decompression and Fixation, May 7, 2003. St. Louis, Chairs: Taylor B, Rechtine GR.

Laminectomy and Fusion in the Treatment of Cervical Spondylotic Myelopathy. 14th Meeting of the Spine Study Group, Palm Beach, FL. May 2, 2003. Chairs: Albert T, Boden SD.

Preservation of Motion in Lumbar Spine Surgery. 14th Meeting of the Spine Study Group, Palm Beach, FL. May 2, 2003. Chairs: Albert T, Boden SD.

Pathophysiology of Lumbar Disk Degeneration: Kirkaldy-Willis Revisited. AAOS Minimally Invasive Spine Course, April 4-7, 2003, St. Louis, Chair: I. Lieberman.

Posterior Lumbar Decompression for Stenosis and Degenerative Spondylolisthesis, Surgical Approach and Techniques for the Lumbar Spine: A hands-On Course, NASS, Dallas, TX, March 14-15, 2003, Chairs: R Guyer and JJ Abitbol.

Current Pharmacotherapy for Spinal Cord Injury, FOSA Symposium. American Academy of Orthopedic Surgeons, New Orleans, LA, Feb, 2003.

Dens and Other Cervical Spine Fractures in the Elderly: Special Interest Group. 18th Annual Meeting of the North American Spine Society, San Diego, CA, October 21-25, 2003.

Thoracolumbar Burst Fractures: Special Interest Group. Proceedings of the 17th Annual Meeting of the North American Spine Society, Montreal, Quebec, Canada, October 20, 2002.

Presentations (Cont'd)

- Spine Fractures in Rheumatoid Arthritis. SICOT, 32nd Triennial Worldwide Symposium. San Diego, CA. August 26-29, 2002. Chair: Alexander Vaccaro
- Pathophysiology of Osteoporotic Bone. SICOT, 32nd Triennial Worldwide Symposium. San Diego, CA. August 26-29, 2002. Chair: Steve Garfin.
- Medical Consequences of Vertebral Compression Fractures. SICOT, 32nd Triennial Worldwide Symposium. San Diego, CA. August 26-29, 2002. Chair: Steve Garfin.
- Kyphoplasty vs. Vertebroplasty. Spine Study Group, April 18-21, 2002. Palm Beach, FL. Chair: Gordon Bell.
- Use of Kyphoplasty in Osteoporotic Burst Fractures. FOSA Symposium. American Academy of Orthopedic Surgeons, Dallas, TX, Feb, 2002.
- Complications of Vertebral Compression Fractures. FOSA Symposium. American Academy of Orthopedic Surgeons, Dallas, TX, Feb, 2002.
- Disc Space Distraction and Graft Compression forces in a Cadaveric Anterior Fusion Model. Presented at the Cervical Spine Research Society Meeting, Monterrey, CA, Nov 2001.
- Distraction and Graft Compression forces in a Cervical Corpectomy Model. Presented at the Cervical Spine Research Society Meeting, Monterrey, CA, Nov 2001.
- The Effect of a compression plate on graft loads in a multilevel discectomy model. Presented at the Cervical Spine Research Society Meeting, Monterrey, CA, Nov 2001.
- Consequences of Vertebral Compression Fractures. Symposium on Vertebral Compression Fractures. 16th Annual Meeting of the North American Spine Society, Seattle, Washington, November 1, 2001, Steve Garfin, moderator.
- Results and Complications of Kyphoplasty. Symposium on Osteoporotic Compression Fracture Care. 3rd Annual Meeting of the Spine Society of Europe, Gothenburg, Sweden, September 7, 2001, Bjorn Rydevik, chair.
- Treatment of Osteoporotic Compression Fractures. Texas Back Institute, Spine Grand Rounds Plano, Texas. August 24, 2001.
- Treatment of Spinal Metastases. Tumor Board: Adrian, MI, January 16, 2002.
- Emergencies in Spine Surgery. Henry Ford Hospital Department of Orthopaedic Surgery. Detroit, MI. August 8, 2001.
- Treatment of Osteoporotic Compression Fractures. American Spinal Injury Association (ASIA) National Meeting, Long Beach, CA, May 18, 2001.
- Failure Load of Human Cervical Vertebrae in an Anterior Fusion Model, Cervical Spine Research Society, Charleston, SC, November 30, 2000.

Presentations (Cont'd)

Stenosis at or adjacent to a Previously Decompressed Segment. Spine across the Sea: combined meeting of NASS and Japan Spine Research Society. Kona, Hawaii, July 22, 2000.

Adjacent Segment Degeneration, for Techniques in Revision Spine Surgery, Chairs: Benzel and Biscup, Cleveland, OH, May, 2000.

Post-Operative Management of the Spine Surgery Patient, for Techniques in Revision Spine Surgery, Chairs: Benzel and Biscup, Cleveland, OH, May, 2000.

Cervical Degenerative Disease, Department of Physical Medicine and Rehabilitation Grand Rounds, Wayne State University, Detroit, MI, October 8, 2002.

Bone Morphogenetic Proteins, Spine Grand Rounds, Louisville, Kentucky, Chair: Richard Holt. March 1, 2002.

Osteoporotic Compression Fractures, Orthopaedic Grand Rounds, University of Virginia Charlottesville, VA, January 12, 2000.

Osteoporotic Compression Fractures, Department of Physical Medicine and Rehabilitation Grand Rounds, William Beaumont Hospital, Royal Oak, MI, February 14, 2000.

Cervical Spine Trauma, North American Association of Orthopaedic Nurses Fall Meeting, 12.2.99.

Overview of Spine Surgery, North American Association of Orthopaedic Nurses Annual Meeting, 3.30.01

Natural History and Conservative Management of Lumbar Spinal Stenosis, Spine Study Group, Naples, FL, February, 2000.

Natural History and Conservative Management of Cervical Myelopathy, Spine Study Group, Naples, FL, February, 2000.

Selected Group Presentations

- E Truumees, D Singh, M Geck, J Stokes. Development, calibration, and clinical validation of a deployable PROMIS-based adaptive assessment tool (PROMIS-CAT) for real-time patient-reported outcomes in spine care. Accepted at the Cervical Spine Research Society Europe (CSRS-Europe), 2026, London
- E Truumees, D Singh, M Geck, J Stokes. A hybrid rule-based and machine-learning decision-support framework for degenerative cervical myelopathy: Development and validation using a synthetic cohort of 200,000 simulated patients. Accepted at the Cervical Spine Research Society Europe (CSRS-Europe), 2026, London
- E Truumees, D Singh, M Geck, J Stokes. Comparative Evaluation of Spinal Alignment Strategies Across PI-LL Subgroups: Insights for Optimized Sagittal Balance. Accepted at the Lumbar Spine Research Society (LSRS), 2026, Chicago
- E Truumees, D Singh, M Geck, J Stokes. Evaluating Clinically Meaningful Outcomes in Adult Spinal Deformity Surgery: MCID Analysis of Functional and Social Improvements. Accepted at the Lumbar Spine Research Society (LSRS), 2026, Chicago
- M Geck, D Singh, J Stokes, E Truumees. Comparative Evaluation of Spinal Alignment Strategies Across PI-LL Subgroups: Insights for Optimized Sagittal Balance. Accepted at the International Society for the Advancement of Spine Surgery (ISASS), 2026, Miami
- E Truumees, D Singh, M Geck, J Stokes. Long-Term Efficacy and Safety of Basivertebral Nerve Ablation for Chronic Low Back Pain: A Single-Center 5-Year Prospective Study. Accepted at the American Association of Neurological Surgeons(AANS), 2026, San Antonio
- E Truumees, D Singh, J Stokes, M Geck. Risk Stratification and Clinical Outcomes in Hematogenous Spinal Osteomyelitis: A Multivariate Approach. Accepted at the International Society for the Study of the Lumbar Spine (ISSLS/SASS) 2026, Cape Town, South Africa
- E Truumees, D Singh, J Stokes, M Geck. Evaluating Clinically Meaningful Outcomes in Adult Spinal Deformity Surgery: MCID Analysis of Functional and Social Improvements. Accepted at the International Society for the Study of the Lumbar Spine (ISSLS/SASS) 2026, Cape Town, South Africa
- M Geck, D Singh, J Stokes, E Truumees. Optimizing Spinal Alignment Strategies Based on Pelvic Incidence Subgroups: A Comparative Analysis of Biomechanical Outcomes. Accepted at the Society for Minimally Invasive Spine Surgery (SMISS), 2025, Las Vegas
- M Geck, D Singh, V Kohli, J Stokes, E Truumees. Radiographic Predictors of Functional and Pain Outcomes in Scheuermann's Kyphosis: a Roc-Based Minimal Clinically Important Difference (MCID) Analysis. Scoliosis Research Society, Charlotte, 2025

Selected Group Presentations (Cont'd)

- E Truumees, D Singh, J Stokes, M Geck. Effect of Cervical Mismatch on Sagittal Alignment and Patient Reported Outcomes in Long Posterior Cervical Fusions- A Multi-Center Analysis. Scoliosis Research Society (SRS), Charlotte, 2025
- E Truumees, D Singh, J Stokes, M Geck. Effect of Thoracic Inlet Angle on Cervicothoracic Parameters and Patient Reported Outcomes in Posterior Multi-Cervicothoracic Fusion. Scoliosis Research Society (SRS), Charlotte, 2025
- M Geck, D Singh, J Stokes, E Truumees. Radiographic Predictors of Functional and Pain Outcomes in Scheuermann's Kyphosis: A ROC-Based Minimal Clinically Important Difference (MCID) Analysis. International Society for the Advancement of Spine Surgery, Glasgow, Scotland, 2025
- E Truumees, D Singh, J Stokes, M Geck. Effect of Cervical Mismatch on Sagittal Alignment and Patient Reported Outcomes in Long Posterior Cervical Fusions. American Association of Neurological Surgeons (AANS), Boston, 2025
- M Geck, D Singh, J Stokes, E Truumees. Impact of T1 Pelvic Angle Improvement on Cervical Lordosis: A Retrospective Analysis of Postoperative Outcomes in Patients Undergoing Deformity Correction. International Society for the Advancement of Spine Surgery, Miami, 2025
- E Truumees, D Singh, M Geck, J Stokes. Biomechanical Assessment of Spinal Alignment Evaluating the Interplay Between Pelvic Incidence, T1 Pelvic Angle, and C2 Plumbline in 27 Models. Global Spine Congress (GSC), Rio de Janeiro, Brazil, 2025
- E Truumees, D Singh, M Geck, J Stokes. Identifying Preoperative Predictors of Clinically Meaningful Outcomes in Chronic Low Back Pain: A Detailed MCID-Based Analysis. Global Spine Congress (GSC), Rio de Janeiro, Brazil, 2025
- E Truumees, D Singh, M Geck, J Stokes. Clinical and Radiographic Predictors of Postoperative Outcomes in Spinal Surgery for Scheuermann's Kyphosis. Global Spine Congress (GSC), Rio de Janeiro, Brazil, 2025
- E Truumees, D Singh, A Duncan, C Matthews, M Geck, J Stokes. Effect Does T1 Slope Have on Sagittal Balance and the Relationship with Caudal End of Three or More Level Posterior Cervical Fusions? Global Spine Congress (GSC), 2024, Bangkok
- E Truumees, D Singh, M Geck, J Stokes. Thoracic Inlet Angle as a Predictor of Recovery in Cervical Spine Surgery: A Cluster Analysis of Demographic Interactions on Radiographic and Functional Outcomes. Cervical Spine Research Society, Europe, Prague 2025
- E Truumees, D Singh, A Duncan, C Matthews, M Geck, J Stokes. Does Cervical Flexibility Affect Clinical Outcomes in Patients Undergoing Multi-Level Posterior Cervical Fusions? Spine Summit, Las Vegas 2024

Selected Group Presentations (Cont'd)

- E Truumees, D Singh, A Duncan, C Matthews, M Geck, J Stokes. When to Initiate Post-Operative Physical Therapy in Multilevel Posterior Cervical-Thoracic Fusions? Spine Summit, Las Vegas 2024
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. What Effect Does T1 Slope Have on Sagittal Balance and the Relationship with Caudal End of Three or More Level Posterior Cervical Fusions? Spine Summit, Vegas 2024
- Ashby L, Jensen J, Goff N, Vetter I, Geck M, Stokes J, Truumees E, Singh D. Time to Achieve Patient Acceptable Symptom State (PASS) after Lumbar Fusion Surgery. Spine Summit 2024, Las Vegas, NV
- E Truumees, D Singh, M Geck, J Stokes. Effect of Cervical Mismatch on Sagittal Alignment and Patient Reported Outcomes in Long Posterior Cervical Fusions-A Multi-Center Analysis. Cervical Spine Research Society Europe (CSRS-Europe), Vienna Austria 2024
- E Truumees, D Singh, M Geck, J Stokes. Does cervicothoracic flexibility affect clinical outcomes in patients undergoing multi-level posterior cervical fusions? Cervical Spine Research Society Europe (CSRS-Europe), Vienna Austria 2024
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Learning Curve of Mini-Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS) Correction: A Single Surgeon's 12 Years' Experience. Spine Summit 2023, Miami FL
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Learning Curve of Mini-Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS) Correction: A Single Surgeon's 12 Years' Experience. Spine Summit 2023, Miami FL
- E Truumees D Singh, J Alexander, C Chandler, A Duncan, M Geck, J Stokes. The Role of Machine Learning in Surgical Decision Making for Lumbar Disc Herniation. Spine Summit 2023, Miami FL
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Learning Curve of Mini-Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS) Correction: A Single Surgeon's 12 Years' Experience. Global Spine Congress (GSC) 2023, Prague
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Feasibility and Outcomes of Mini Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS): 2-5 Years Follow-Up. Global Spine Congress (GSC) 2023, Prague
- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Feasibility and Outcomes of Mini Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS): 2-5 Years Follow-up. International Meeting on Advanced Spine Techniques (IMAST) 2023
- Geck M, Singh D, Duncan A, Stokes J, Truumees E. Quantitative Analysis of Tissue Injury Markers After Adolescent Idiopathic Scoliosis (AIS) Correction: A Prospective Study of Open vs. Minimally Invasive Surgery. The International Society for the Advancement of Spine Surgery (ISASS), June 2022, Bahamas.

Selected Group Presentations (Cont'd)

- M Geck, D Singh, A Duncan, J Stokes, E Truumees. Quantitative Analysis of Tissue Injury Markers After Adolescent Idiopathic Scoliosis (AIS) Correction: A Prospective Study of Open vs. Minimally Invasive Surgery. Society of Minimally Invasive Spine Surgery (SMISS) 2022, Las Vegas
- E Truumees D Singh, A Duncan, E Mayer. Should Physical Therapy be Incorporated in Patient Care Post 1-2 Level Lumbar Fusions for Degenerative Lumbar Instability? -A Comparative Outcome Analysis. Lumbar Spine Research Society (LSRS) 2022, Chicago
- E Truumees D Singh, A Duncan, E Mayer. Determining What Markers Increase the Odds of Successful Non-Operative Treatment of Lumbar Disc Herniation. Lumbar Spine Research Society (LSRS) 2022, Chicago
- Shah R, Rossano A, Singh D, Truumees, E. Outcomes in Patients with Vertebral Injury after Blunt Cervical Spine Trauma. Academy of Orthopedic Surgeons, Chicago, 2022
- Geck M, Singh D, Duncan A, Stokes J, Truumees E. Comparison of Adolescent Idiopathic Scoliosis (AIS) Correction- A 2 Years Radiographic and Surgical Outcome Study. Society for Minimally Invasive Spine Surgery, Las Vegas, 2021
- Geck M, Singh D, Duncan A, Stokes J, Truumees E. Feasibility and Outcomes of Mini Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS): 2 -5 Years Follow up. Society for Minimally Invasive Spine Surgery, Las Vegas, 2021
- Geck M, Singh D, Duncan A, Stokes J, Truumees E. Learning Curve of Mini-Open Correction and Fusion for Adolescent Idiopathic Scoliosis (AIS) Correction: A Single Surgeon's 12 Years' Experience. Society for Minimally Invasive Spine Surgery, Las Vegas, 2021
- Shah R, Rossano A, Singh D, Truumees, E. Outcomes in Patients with Vertebral Injury after Blunt Cervical Spine Trauma. North American Spine Society, Boston, 2021
- Truumees E, Singh D, Livingston H, Ennis D, Duncan A, Lavelle W, Riesenburger R, Geck M, Mroz T, Stokes J. Bridging the Cervicothoracic Junction During Multilevel Posterior Cervical Decompression and Fusion- A Systematic Review and Meta-Analysis. North American Spine Society, Boston, 2021
- Truumees D, Duncan A, Singh D, Geck M, Mayer K, Truumees E. Analysis of Scoliosis-Specific Information on Social Media: Is Social Media the New Source of Online Medical Information and Support? Academy of Orthopedic Surgeons, San Diego, 2021
- Truumees E, Singh D, Levy W, Riesenburger R, Geck M, Stokes J, Swammy A, Mroz T, Anthony Y. Is it Safe to Stop at C7 During Multi-Level Posterior Cervical Decompression and Fusion? - Multi-Center analysis. Cervical Spine Research Society-Europe, Paris 2021
- Truumees E, Singh D, Levy W, Riesenburger R, Geck M, Stokes J, Swammy A, Mroz T, Anthony Y. Does the Caudal Level of Multilevel Posterior Cervical Fusion Effect the Rate of Revision: Multi-Center Mixed Model Multinomial Analysis? Cervical Spine Research Society-Europe, Paris 2021.

Selected Group Presentations (Cont'd)

- Truumees E, Singh D, Levy W, Riesenburger R, Geck M, Stokes J, Swammy A, Mroz T, Anthony Y. Revision Rates in Patients Undergoing Multilevel Posterior Cervical or Cervical-Thoracic Fusions: Multi-Center Analysis. Cervical Spine Research Society-Europe, Paris, 2021
- Truumees E, Singh D, Levy W, Riesenburger R, Geck M, Stokes J, Swammy A, Mroz T, Anthony Y. Do Demographics and Controllable Risk Factors Effect Radiographic and Clinical Outcomes in Patients Undergoing Long Multilevel Cervical or Cervical-Thoracic Fusions? -Multi-Center Analysis. Cervical Spine Research Society-Europe, Paris 2021
- Stokes J, Geck M, Singh D, Truumees E. Should Long Segment Cervical Fusions Be Routinely Carried into the Thoracic Spine?. Multi-Center Analysis. Spine Summit, CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, March 11, 2017.
- Stokes J, Geck M, Singh D, Truumees E. Pseudarthrosis in Patients Undergoing Multilevel Posterior Cervical or Cervico-Thoracic Fusions. Multi-Center Analysis. Spine Summit, CNS Joint Section on Disorders of the Spine and Peripheral Nerves, Las Vegas, March 11, 2017.
- Geck, Matthew J.; Singh, Devender; Truumees, Eeric. Pre-Operative Fibrinogen Testing is Associated with Total Blood Loss in Adult Spinal Deformity Correction. Scoliosis Research Society Meeting, Prague, Czech Republic, September 22, 2016.
- Geck M, Singh D, Hawthorne D, Truumees E. Obesity Effects on Peri- and Post-Operative Outcomes in Complex Spinal Reconstructive Surgery. North American Spine Society (NASS), 2015
- Geck, Matthew J.; Singh, Devender; Hawthorne, Dana; Truumees, Eeric. Is Pre-Operative Fibrinogen Testing Associated with Total Blood Loss in Adolescent Idiopathic Scoliosis (AIS) Correction? North American Spine Society (NASS), 2015
- Geck, Matthew J.; Singh, Devender; Hawthorne, Dana; Truumees, Eeric. Does Cobb Angle Correlate with Self-Reported Outcomes of Patients Undergoing Adolescent Idiopathic Scoliosis (AIS) Reconstruction? Society for Minimally Invasive Spine Surgery (SMISS), 2014
- Geck, Matthew J.; Singh, Devender; Hawthorne, Dana; Truumees, Eeric. Radiographic and Surgical Outcome Analysis of Adolescent Idiopathic Scoliosis (AIS) Correction: Open vs. Minimally Invasive. Society for Minimally Invasive Spine Surgery (SMISS), 2014
- Truumees, E, Geck M, Stokes JK, Tran VN, Singh, D. Impact of Hospital Employment on Surgical Coding and Fee Collection. North American Spine Society (NASS), 2013.
- Truumees E, Klocke N, Harris J, Chinthakunta S, Bucklen B. Balloon Kyphoplasty and a Deployable Cement Containment Device Kyphoplasty: Is there a Difference in Stabilization of Vertebral Compressive Fractures? Society for Minimally Invasive Spine Surgery Meeting, 2014.

Selected Group Presentations (Cont'd)

- Truumees E, Klocke N, Harris J, Chinthakunta S, Bucklen B. A Biomechanical Comparison of Two Novel Vertebral Augmentation Implants to a Traditional Vertebroplasty Technique in Stabilizing Vertebral Compression Fractures. Society for Minimally Invasive Spine Surgery Meeting, 2014.
- Truumees E, Klocke N, Harris J, Chinthakunta S, Bucklen B. Cement Distribution and its Mechanical Role in Unipedicular Vertebroplasty vs. Bipedicular Kyphoplasty, Congress of Neurosurgery Meeting, 2014.
- Geck MJ, Singh D, Hawthorne D, Rinella AS, Truumees E. Feasibility and Outcomes of Mini Open Correction and Fusion for AIS: 2 Year Follow-up, SMISS Nov 1, 2013, Las Vegas.
- Geck MJ, Singh D, Hawthorne D, Rinella AS, Truumees E. Posterior, Single Approach, Two or Three incision Mini Open Correction and Fusion for AIS. International Meeting on Advanced Spine Techniques (IMAST), Istanbul 2012.
- Franke E, Demetropoulos C, Truumees E, Herkowitz HN. In Vivo Relationship between distractive and compressive forces in an Anterior Cervical Discectomy Model. North American Spine Society Proceedings, Toronto, Oct 14-17, 2008.
- Vaccaro A, Anderson DG, Patel T, Fischgrund J, Truumees E, et al. Clinical Use of BMP in the Spine Highlighting OP-1 in PLF. *Spine: Affiliated Society Meeting Abstracts*. Meeting Abstracts: Scoliosis Research Society:825, 2007.
- Pflugmacher R, Hierholzer J, Stender G, Hammerstingl R, Truumees E, Wakloo A, Goujnis M, Vogl T. Evaluation of Leakage Rates for a Cement Directing Kyphoplasty System. 24th Annual Meeting of the North American Spine Society, San Francisco, CA, Nov 11, 2009.
- Tseng M, Bilkhu S, Herkowitz HN, Truumees E, Demetropoulos C. Effects of Vertebroplasty on Adjacent Intradiscal Pressure Profile. *Spine: Affiliated Society Meeting Abstracts*. Meeting Abstracts: Scoliosis Research Society:274, 2007.
- Erdem I, Truumees E, van der Meulen M. Behavior of L1 Vertebra under Different Loading Conditions, American Society of Biomechanics, 2007 Meeting, Stanford University.
- Tseng M, Truumees E, Demetropoulos C, et al.. Effects of vertebroplasty on adjacent intradiscal pressure profile. Presented at the International Society for the Study of the Lumbar Spine 34th Annual Meeting. June 10-14, 2007. Hong Kong.
- Vaccaro A, Anderson DG, Patel T, Fischgrund JS, Truumees E, Albert T, Wetzel FT. Durability of Uninstrumented Spinal Fusion with OP-1 Putty (rhBMP-7): Long-Term Follow-up of a Pilot Study, 21st Annual Meeting of the North American Spine Society, Seattle, WA, Sept 27, 2006.
- Grauer J, Patel T, Fischgrund J, Vaccaro A, Truumees E, et al. Two Year Follow-up on Patients In a Pilot Safety and Efficacy Study of OP-1 (rhBMP-7) in Posterolateral Lumbar Fusion as a Replacement for Iliac Crest Autograft, Proceedings of WorldSpine III, Rio de Janeiro, Brazil, July 31-Aug 3, 2005.

Selected Group Presentations (Cont'd)

- Sengupta D, Demetropoulos C, Wiater BP, Truumees E, Abjornson C, Herkowitz HN. Does the Lumbar Disc Prosthesis with a Fixed Axis of Rotation Affect the Instant Axis of Rotation (IAR) of the Lumbar Spine? - A Biomechanical Study in Cadaver Spine. Proceedings of WorldSpine III, Rio de Janeiro, Brazil, July 31-Aug 3, 2005.
- Demetropoulos CK, Sengupta DK, Wiater BP, Truumees E, Knaub M, Abjornson C, Herkowitz HN. Biomechanical Evaluation of Kinematics of the Cadaver Lumbar Spine Following Disc Replacement with the Prodisc Prosthesis. Proceedings of WorldSpine III, Rio de Janeiro, Brazil, July 31-Aug 3, 2005.
- Demetropoulos CK, Sengupta DK, Wiater BP, Truumees E, Knaub M, Abjornson C, Herkowitz HN. Biomechanical evaluation of kinematics of the cadaver lumbar spine following disc replacement with the Prodisc prosthesis, Proceedings of the Spine Arthroplasty Society, 4th Annual Meeting, Vienna, Austria, May 4-7, 2004.
- Sengupta DK, Demetropoulos CK, Wiater BP, Truumees E, Knaub M, Abjornson C, Herkowitz HN. Instant Axis of Rotation (IAR) of the lumbar spine after Prodisc® prosthetic disc replacement – a biomechanical study of the cadaver spine, Proceedings of the Spine Arthroplasty Society, 4th Annual Meeting, Vienna, Austria, May 4-7, 2004.
- Demetropoulos CK, Sengupta DK, Wiater BP, Truumees E, Knaub M, Abjornson C, Herkowitz HN. Biomechanical evaluation of kinematics of the cadaver lumbar spine following disc replacement with the Prodisc prosthesis, Proceedings of the International Meeting on Advanced Spine Techniques 11th Annual Meeting, Southampton, Bermuda, July 1-3, 2004.
- Sengupta DK, Demetropoulos CK, Wiater BP, Truumees E, Knaub M, Abjornson C, Herkowitz HN. Effects of prosthetic disc replacement in lumbar spine on Instant Axis of Rotation (IAR) – a biomechanical study on the cadaver spine, Proceedings of the International Meeting on Advanced Spine Techniques 11th Annual Meeting, Southampton, Bermuda, July 1-3, 2004.
- Sengupta D, Truumees E. Special Interest Group Meeting: Motion Sparing Strategies in Spinal Reconstruction procedures. Annual Meeting of the North American Spine Society, Chicago, IL. October 26, 2004.
- Patel T, Vaccaro A, Truumees E et al. Two year follow-up on patients in a pilot safety and efficacy study of OP-1 in posterolateral lumbar fusion as a replacement for iliac crest autograft. 18th Annual Meeting of the North American Spine Society, San Diego, CA, October 21-25, 2003.
- Patel C, Truumees E, Gitlin BS, Herkowitz H. Symptomatic Spinal Stenosis adjacent to a previous lumbar fusion. Proceedings of the 17th Annual Meeting of the North American Spine Society, Montreal, Quebec, Canada, October 20, 2002.
- Patel TC, Vaccaro AR, Truumees E, Fischgrund J, Hilibrand AS, Herkowitz HN. Two-Year Follow Up of a Safety and Efficacy Study of OP-1 (rhBMP-7) as an adjunct to posterolateral lumbar fusion. 16th Annual Meeting of the North American Spine Society, Seattle, Washington, November 1, 2001.

Selected Group Presentations (Cont'd)

Patel TC, Vaccaro AR, Truumees E, Fischgrund J, Hilibrand AS, Albert TJ, Herkowitz HN, Phillips FM, Wetzel FT A Pilot Safety and Efficacy Study of OP-1 (rhBMP-7) in posterolateral lumbar fusion as a replacement for iliac crest autograft. 16th Annual Meeting of the North American Spine Society, Seattle, Washington, November 1, 2001.

Does Kyphoplasty reduce potential for extra-vertebral and intravascular polymethylmethacrylate leakage when compared to vertebroplasty? Phillips FM, McNally TA, Lieberman IH, Truumees E. Proceedings of the 16th Annual Meeting of the North American Spine Society, Seattle, Washington, November 1, 2001

Retrospective Analysis of the Outcomes of Balloon Kyphoplasty to Treat Vertebral Body Compression Fracture (VCF) Refractory to Medical Management. Garfin, SR, Lin I, Lieberman I, Phillips F, Truumees E. Proceedings of the 3rd Annual Meeting of the Spine Society of Europe, Gothenburg, Sweden, Sept 7, 2001, Bjorn Rydevik, Chair.

Poster Presentations

A list of these can be obtained from the author.

Selected Meeting Chairmanships & Instructorships

Moderator, Outcomes and Effectiveness, Cervical Spine Research Society Annual Meeting, San Diego, 2022.

Co-Moderator, Cervical Spine in Sports, American Academy of Neurological Surgeons and Congress of Neurosurgeons Spine Summit, Orlando, March, 2018.

North American Spine Society Evidence Based Medicine Workshop, J Wang, Chair, at the 1st Annual Meeting of the Saudi Spine Society, Riyadh, December 19, 2017.

Presidential Guest Speaker – Connecticut Orthopaedic Society Annual Meeting, Farmington, CT, 2016.

Moderator, Best Papers - North American Spine Society Annual Meeting, Chicago, 2015.

Moderator, Best Papers - North American Spine Society Annual Meeting, San Francisco 2014.

Moderator, Myelopathy, Cervical Spine Research Society Annual Meeting, Orlando, 2014.

Moderator, NASS Section of FOSA Specialty Day, AAOS Annual Meeting, New Orleans, 2014.

Moderator, Complications I, Cervical Spine Research Society Annual Meeting, Los Angeles, 2013.

Moderator, Best Papers - Surgery, North American Spine Society Annual Meeting, New Orleans, 2013.

Moderator: Spine Care & the Media. North American Spine Society Annual Meeting, New Orleans, 2013.

Moderator, Spine III, AAOS Annual Meeting, San Francisco, 2013.

Moderator, Best Posters, North American Spine Society Annual Meeting, Dallas, October 2012.

Moderator, Spinal Trauma, Spine Across the Sea, August 1, 2012, Kauai, HI, Bae H, Chair.

Instructor, CSRS Advanced Cervical Spine Reconstruction Course, St. Louis, January 2012.

Moderator, Spine Outcomes, AAOS Annual Meeting, San Francisco, February 2012.

Moderator, Spinal Biomechanics, North American Spine Society Annual Meeting, Chicago, IL November 2011.

Moderator. Cervical Degenerative Disease. Instructional Course Lecture 421, San Diego, February 2011.

Moderator, Spine II: Lumbar Degenerative Disease, AAOS Annual Meeting, San Diego, February 2011.

Instructor. CSRS Advanced Cervical Spine Reconstruction Course, St. Louis, January 2011.

Selected Meeting Chairmanships & Instructorships (Cont'd)

Moderator. Motion Preservation, North American Spine Society Annual Meeting. Orlando, October 2010.

Moderator. Spine II: Disc Herniation and Stenosis, AAOS Annual Meeting New Orleans, LA, March 2010.

Moderator. Cervical Degenerative Disease. Instructional Course Lecture 271, New Orleans, LA, March 2010.

Moderator, Spine Trauma Papers, Cervical Spine Research Society, December 2009.

Chairman, Spine Study Group, 20th Symposium, Palm Beach, May 2009.

Co-Moderator with Bernhart M., Spine Papers, Mid-America Orthopaedic Meeting Amelia Island, Georgia, April 24th, 2009.

Moderator. Cervical Degenerative Disease. Instructional Course Lecture 369, Las Vegas, NV, February 2009.

Co-Chair with Hilibrand A, Bell G, Spine Study Group, 19th Symposium, Palm Beach, May 2008.

Co-Chair with Wang J, Orr D, AAOS Minimally Invasive Spine Surgery: A Hands-On Course, March 20-22, 2007, St. Louis, MO.

Moderator and Chair, Symposium: Motion Preservation in Lumbar Spine Surgery. 2006 Annual Meeting of the Michigan State Medical Society, October 25th, 2006.

American Academy of Orthopaedic Surgeons Fall Course: Modern Techniques in Spine Surgery, Chair Sasso R, September 2007.

CSRS Instructional Course Instructor. Seattle, WA, December, 2007.

CSRS Instructional Course, Instructor. Palm Beach, FL, November 30, 2006.

CSRS Instructional Course, Instructor and Moderator, San Diego, Dec 6-8, 2005.

American Academy of Orthopaedic Surgeons Fall Course: Modern Techniques in Spine Surgery, Chair K. Dan Riew, MD, November 2006.

Instructor, Moderator, and Live Surgery Demonstration. American Academy of Orthopaedic Surgeons, Fall Course: Advances in Spine Surgery, Chair: Alex Ghanayem.

NASS/AAOS Combined Course: Fundamentals and Advanced Techniques in Spine Surgery: From Microscope to a Preview of Total Disc Arthroplasty. Chairs: Wong D and Truumees, E., St. Louis, MO, April 8-10, 2005.

Advanced Applications and Techniques in Spine Surgery, AAOS. Chair: Fischgrund JS, Chicago November 2004.

Selected Meeting Chairmanships & Instructorships (Cont'd)

NASS Pre-meeting Course: Vertebral Body Augmentation. Chair: Pfeiffer B., Chicago, IL, October 27, 2004.

NASS Pre-meeting Course: Cervical Spine Fixation. Chair: Taylor B., Chicago, IL, October 27, 2004.

NASS Lumbar Spine Course. Chair: Wong D, Rosemont, IL, March 19-20, 2004.

Advanced Applications and Techniques in Spine Surgery, AAOS. Chair: Vaccaro AR, Chicago November 2003.

Advanced Techniques in Spinal Decompression and Fixation. Chairs: B Taylor and GR Rehtine, May 2003, St. Louis, MO.

14th Meeting of Spine Study Group. Chairs: T Albert, SD Boden, May 2003, Palm Beach, FL.

American Academy of Orthopaedic Surgeons: Minimally Invasive Spine Surgery. Chair: I Lieberman, April 2003, St. Louis, MO.

North American Spine Society. Surgical Approach and techniques for the Lumbar Spine. A hands-on Course, Chairs R Guyer and JJ Abitbol, March 14-15, 2003, Dallas, TX.

American Academy of Orthopaedic Surgeons: Spine Skills Update. Rosemont, IL, Chair: G Rehtine. June 28-30, 2002

American Academy of Orthopaedic Surgeons: Minimally Invasive Spine Surgery. Chair: KD Riew, April 2002, St. Louis, MO.

American Academy of Orthopaedic Surgeons, Advanced Techniques and Current Concepts in Spine, Chair: Nov 2001, Rosemont, IL.

Techniques in Revision Spine Surgery, Chairs: Benzel and Biscup, Cleveland, OH 5.00

Spine Study Group, 13th Symposium; Chair: Bell GD, Palm Beach, FL, 4.18-21.02

Spine Study Group, 12th Symposium; Chair: Stambough, Naples, FL, 2.6.00

Techniques in Minimally Invasive Spinal Surgery, Chair: Lieberman, Cleveland, OH, 5.98

American Academy of Orthopaedic Surgeons: Contemporary Issues in Advanced Spinal Surgery, Chairs: Zdeblick and Andersson, Rosemont, IL 11.20-22.98

Selected Home Institution Presentations

Bracing and Mobilization after Spine Surgery, Ascension Spine & Stroke Conference, October, 2022.

University of Texas, Dell School of Medicine, Neurosurgery Grand Rounds, Osteoporosis in Spine Surgery, April 2020.

University of Texas, Dell School of Medicine, Orthopaedic Surgery Grand Rounds, Bone Quality in Patient Optimization for Elective Surgery. June, 2019.

University of Texas, Dell School of Medicine, Lumbar Root Sedimentation Sign in the Management of Lumbar Spinal Stenosis, December 2015.

Seton Brain & Spine Institute, Timing of Surgery and Blood Thinners in Spine Trauma, September, 2015.

Seton Brain & Spine Institute, Red Flags in Spine Care, September 2014.

Seton Brain & Spine Institute, Thoracolumbar Spine Trauma, September 2013.

Seton Brain & Spine Institute. Outcomes in Spine Surgery, August 2011.

Seton Brain & Spine Institute. Introduction to Lumbar Spine Pathology, November 2010.

William Beaumont Hospital Medical Grand Rounds. Vertebral Compression Fractures. Options and Complications, November, 2007.

William Beaumont Hospital 3rd Annual Latin American Spine Symposium, Lecture and Cadaver Lab Course, May, 2007.

William Beaumont Hospital 2nd Annual Latin American Spine Symposium, Lecture and Cadaver Lab Course, May, 2006.

William Beaumont Hospital 3rd Annual Latin American Spine Symposium, Lecture and Cadaver Lab Course, May, 2005.

William Beaumont Hospital Spine Lecture Series, Lumbar Spine Trauma, 12.13.99

William Beaumont Hospital Spine Lecture Series, Benign Spinal Tumors, 9.28.98

William Beaumont Hospital Spine Lecture Series, Malignant Spinal Tumors, 10.26.98

William Beaumont Hospital Spine Lecture Series, Ankylosing Spondylitis, 11.26.98

William Beaumont Hospital Spine Lecture Series, Complications of Spinal Surgery, 2.8.99

William Beaumont Hospital Spine Lecture Series, Minimally Invasive Spinal Surgery, 3.8.99

Selected Home Institution Presentations (Cont'd)

Cleveland Clinic Foundation, Department of Orthopaedic, Chief Resident Conference: Cervical Spine Trauma, 11.25-27.97 [3 day course]

Cleveland Clinic Foundation, Department of Orthopaedic Surgery Grand Rounds: Atlanto-Axial Instability, 10.4.94

Akron Children's Medical Center, Department of Orthopaedic Surgery, Departmental Presentation: Myelodysplasia, 11.4.95

Intellectual Property and Implant Design

Co-Designer, PAF, Revision and Osteoporotic Spine Fixation Module, 2009.

Co-Designer, US Patent 8,518,081, awarded 8.27.13. Multi-axial Laminoplasty Reconstruction System.

Co-Designer, Patent Co-Holder, Stryker THOR Anterior Thoracolumbar Trauma Plate, 2007.
Ap: 13/946,390

Co-Designer, Patent Co-Holder, Stryker THOR Anterior Lumbar and Lumbosacral Plate, 2007.

Co-Designer, Patent Co-Holder, Stryker PONTE Stabilization System, 2006.

Volunteer and Civic Activities

Local Host (with Harry Herkowitz), ISSLS Visiting Surgeon, Dr. Harry Akoto, Ghana.

Medical Missions. Yearly trips to Africa (seven so far) to treat patients with malignant, deforming, traumatic and infectious diseases of the spine. See FOCOS above.

Advisor: Pre-medical students interested in orthopaedics. Separate activities through the University of Virginia and the American Academic of Orthopaedic Surgeons. 2002 to present.

Alumni Council, Madison House, University of Virginia, July 2007 to 2008.

Other Interests

Hiking, Bicycling, Photography, Guitar/Bass

References

Available upon Request.