Academic Curriculum Vitae
Date: August 9, 2022

Kristen Emmanuel Radcliff, MD
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Spinal DISC Center
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Education:

1996-2000 B.A., Biology *cum laude*	Harvard University
2000- 2004 MD	Duke University School of Medicine

Postgraduate Training and Fellowship Appointments:
2004-2009 Residency Baylor College of Medicine, Dept of Orthopedic Surgery
2009-2010 Spinal Cord Injury and Spine Surgery Fellowship, Thomas Jefferson University

Faculty Appointments:

1. 2020-Present Professor in Orthopedic Surgery, Department of Orthopedic Surgery, Thomas Jefferson Medical College (Primary Appointment)
2. 2020-Present Professor in Neurological Surgery, Department of Neurological Surgery, Thomas Jefferson Medical College (Secondary Appointment)
3. 2014-2020 Associate Professor in Orthopedic Surgery, Department of Orthopedic Surgery, Thomas Jefferson Medical College (Primary Appointment)
4. 2014-2020 Associate Professor in Neurological Surgery, Department of Neurological Surgery, Thomas Jefferson Medical College
5. 2010-2014 Assistant Professor, Department of Orthopedic Surgery, Thomas Jefferson Medical College
6. 2009-2010 Instructor, Department of Orthopedic Surgery, Thomas Jefferson Medical College

Hospital and Administrative Appointments:
Orthopedic Representative, Medical Excellence Committee (Atlanticare Regional Medical Center) 2011-2020
Surgeon Lead, Surgical Infection Prevention Committee (Atlanticare Regional Medical Center) 2015-2020

Hospital Affiliations:
Thomas Jefferson University Hospital
Jefferson Health NJ
Shore Medical Center Hospital

Southern Ocean Medical Center
Capital Health Medical Center
Robert Wood Johnson Medical Center Hamilton
Hudson Regional Medical Center
Inspira Medical Center

Specialty Certification:
Diplomate, American Board of Orthopaedic Surgery 2012.
Participating in Maintenance of Certification.

Licensure:
New Jersey and Pennsylvania and New York

Awards, Honors and Membership in Honorary Societies:

1. 1996-2000 Harvard College Faculty Scholarship
2. 1996 National Merit Scholarship, National Merit Finalist
3. 2000-2004 Duke University Dean's Tuition Scholarship
4. 2002-2003 Research Fellowship, Stanley J. Sarnoff Endowment for Science
5. 2007 Baylor College of Medicine Outstanding Resident Educator House Staff Award 2008 AOA Resident Leadership Forum Representative
6. 2009 AOA Emerging Leaders Forum Member
7. 2011 Leonard Goldstein Award Winner. The incidence of lumbar adjacent segment disease: A comparison of single level fusion procedures. Scoliosis Research Society
8. 2011 Best Poster Award Scoliosis Research Society: "Does Multilevel Laminectomy Increase Risk of Adjacent Segment Spinal Disease"
9. 2011 Best Paper Section North American Spine Society "Do Epidural Steroid Injections Affect the Outcome of Lumbar Stenosis?"
10. 2011 Best Paper Section North American Spine Society "Predictors of Reoperation: A Subgroup Analysis of SPORT?"
11. 2011 Best Poster Section North American Spine Society "Neurological Injury Following Odontoid Nonunion"
12. 2014 Best Paper Cervical Spine Research Society "Costs of Cervical Disc Replacement versus Anterior Cervical Discectomy and Fusion for Treatment of Single-Level Cervical Disc Disease: An Analysis of the Blue Health Intelligence Database for Acute and Long-Term Costs and Complications."
13. 2016 North American Spine Society Best Paper "Does Sagittal Balance Influence the Surgical Outcomes of Patients with Cervical Myelopathy?"
14. 2016 North American Spine Society Best Paper "Correlating Patient-Reported Outcomes to Patient Satisfaction in Patients' with a Lumbar Disc Herniation"
15. 2016 North American Spine Society Best Paper "The Total Cost to the Health Care System for the Treatment of Cervical Myelopathy"
16. 2019 CSRS 1st Place Clinical Research Award Winner Presentation #66 The Real Costs of ACDF: A Time-Driven Activity-Based Costing Analysis
17. 2020 ISASS Best Paper Award Nominee: Patient Outcomes Following Short-segment Lumbar Fusion Are Not Affected by PI-LL Mismatch

Memberships in Professional and Scientific Societies:
National Societies
2009-Present Member - American Spinal Injury Association
2008-Present Member - North American Spine Society – Member
2012-Present Candidate Member - Scoliosis Research Society
2012 - Present Member - Cervical Spine Research Society
2014 – Present Adjunct Member, American Academy of Neurological Surgeons/Congress of Neurological Surgeons Joint Section on Spinal Disorders
2015 – Present Member – American Orthopaedic Association
2015 – Present Member – Society for Lateral Access Surgery
2015 – Present Member – International Society for the Advancement of Spine Surgery
2015 – Present Member – Society of Minimally Invasive Spine Surgery
2015 - Present Member, National Medical Association
2009 – Present Member, J. Robert Gladden Society

Local Societies:
Pennsylvania Orthopedic Association'
New Jersey Spine Society
New Jersey Orthopedic Society

Professional and Scientific Committees

International
2015-2016 President, Association for Collaborative Spine Research
2015- Present Scoliosis Research Society Education Committee
2015- Present Scoliosis Research Society Adult Deformity Committee
2017-2020 Reviewer, Evicore Spine Guidelines Committee
2016-2019, American Academy of Orthopedic Surgeons Liason to the North American Spine Society Low Back Pain Task Force
2016-Present Member, Cervical Spine Research Society Registry Committee
2016-Present Member, Cervical Spine Research Society Awards Committee
2019-2020 Chairman, Cervical Spine Research Society Development Committee
2018-2022 Chairman, American Academy of Orthopaedic Surgeons Spine Instructional Course Lecture Committee
2017-Present Member, American Academy of Orthopaedic Surgeons Spine Content Committee
2018-2020 Society for Minimally Invasive Spine Surgery Strategic Leadership Committee
2019-2020 Chairman, Society for Minimally Invasive Spine Surgery External Relations Committee
2021-2022 J. Robert Gladden Society Liaison to Clinical Orthopaedics and Related Research
2021-2022 Associate Editor, Clinical Orthopaedics and Related Research

National

2019-Present Member, American Spine Registry Data Operations Committee
2019-2020 American Board of Orthopaedic Surgery Advisory Committee for Surgery of the Spine Practice Profiled Recertification Examination Blueprint

Regional
2013-2017 Cervical Spine Research Society Research Committee/Program Reviewer
2013-2016 ProDisc Publication Committee
2014-2016 LDR Cervical Disc Replacement Publication Committee
2018-2020 Aesculap ActiveL Publication Committee

Editorial Positions:
Guest Editor, Clinical Orthopedics and Related Research Symposium Issue on Spine Complications November 2011
Guest Editor, Seminars in Spine Surgery Issue on "Outcome and Values in Spine Care" May 2014
Guest Editor, Seminars in Spine Surgery September 2015 Issue "Degenerative Scoliosis"

Academic Committees at the Thomas Jefferson University/Jefferson Medical College and Affiliated Hospitals:
None

International Lectures By Invitation

Research Metrics:
Total Citations of Dr. Radcliff's Research (5/26/2023) 6864
h-index 47
i10-index 111

Peer Reviewed Publications

1	Effect of Clinical and Radiographic Degenerative Spondylolisthesis Classification on Patient-reported Outcomes and Spinopelvic Parameters for Patients With Single-level L4-L5 Degenerative Spondylolisthesis After Lumbar Fusion. Karamian BA, Levy HA, DiMaria SL, Ju DG, Canseco JA, Yen W, Maheu A, Mangan JJ, Goyal DKC, Radcliff KE, Kaye ID, Rihn JA, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2023 Apr 17. doi: 10.1097/BSD.0000000000001461. Online ahead of print. PMID: 37074794

2	Effect of Drain Duration and Output on Perioperative Outcomes and Readmissions after Lumbar Spine Surgery. Karamian B, Kothari P, Toci G, Lambrechts MJ, Canseco J, Mao J, Narayan R, Alfonsi S, Sirch F, Kheir N, Semenza N, Woods B, Rihn J, Kurd M, Radcliff K, Kaye ID, Hilibrand A, Kepler C, Vaccaro AR, Schroeder G. Asian Spine J. 2023 Apr;17(2):262-271. doi: 10.31616/asj.2022.0073. Epub 2023 Jan 10. PMID: 36625018 Free PMC article.
3	Does a High Postoperative Opioid Dose Predict Chronic Use After ACDF? Levy HA, Karamian BA, Canseco JA, Henstenburg J, Larwa J, Haislup B, Kaye ID, Woods BI, Radcliff KE, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD.World Neurosurg. 2023 Mar;171:e686-e692. doi: 10.1016/j.wneu.2022.12.083. Epub 2022 Dec 22. PMID: 36566977
4	How does spinopelvic alignment influence short-term clinical outcomes after lumbar fusion in patients with single-level degenerative spondylolisthesis?DiMaria S, Karamian BA, Lambrechts MJ, Kanhere AP, Mangan JJ, Yen WW, Maheu A, Qureshi MA, Canseco JA, Kaye DI, Woods BI, Kurd MF, Radcliff KE, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. J Craniovertebr Junction Spine. 2022 Jul-Sep;13(3):300-308. doi: 10.4103/jcvjs.jcvjs_58_22. Epub 2022 Sep 14. PMID: 36263333 Free PMC article.
5	Static versus Expandable Interbody Fusion Devices: A Comparison of 1-Year Clinical and Radiographic Outcomes in Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ledesma JA, Lambrechts MJ, Dees A, Thomas T, Hiranaka CG, Kurd MF, Radcliff KE, Anderson DG. Asian Spine J. 2023 Feb;17(1):61-74. doi: 10.31616/asj.2021.0486. Epub 2022 Jul 4. PMID: 35785911 Free PMC article.
6	Editor's Spotlight/Take 5: Race, But Not Gender, Is Associated With Admissions Into Orthopaedic Residency Programs. Radcliff KE, Leopold SS. Clin Orthop Relat Res. 2022 Aug 1;480(8):1435-1440. doi: 10.1097/CORR.0000000000001627. Epub 2022 Jun 29. PMID: 35767820 No abstract available.
7	The impact of preoperative neurological symptom severity on postoperative outcomes in cervical spondylotic myelopathy. Toci GR, Canseco JA, Karamian BA, Chang M, Grasso G, Nicholson K, Pflug EM, Russo GS, Tarazona D, Kaye ID, Kurd MF, Hilibrand AS, Woods BI, Rihn JA, Anderson DG, Radcliff KE, Kepler CK, Vaccaro AR, Schroeder GD. J Craniovertebr Junction Spine. 2022 Jan-Mar;13(1):94-100. doi: 10.4103/jcvjs.jcvjs_165_21. Epub 2022 Mar 9. PMID: 35386246 Free PMC article.

8	Does Interbody Cage Lordosis and Position Affect Radiographic Outcomes After Single-level Transforaminal Lumbar Interbody Fusion? DiMaria S, Karamian BA, Siegel N, Lambrechts MJ, Grewal L, Jeyamohan HR, Robinson WA, Patel A, Canseco JA, Kaye ID, Woods BI, Radcliff KE, Kurd MF, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2022 Nov 1;35(9):E674-E679. doi: 10.1097/BSD.0000000000001334. Epub 2022 Apr 5. PMID: 35383604
9	The Impact of Upper Cervical Spine Alignment on Patient-reported Outcome Measures in Anterior Cervical Decompression and Fusion. Divi SN, Karamian BA, Canseco JA, Chang M, Toci GR, Goyal DKC, Nicholson KJ, Mujica VE, Bronson W, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2022 Jul 1;35(6):E539-E545. doi: 10.1097/BSD.0000000000001310. Epub 2022 Mar 16. PMID: 35302961
10	How Do Patients With Predominant Neck Pain Improve After Anterior Cervical Discectomy and Fusion for Cervical Radiculopathy? Divi SN, Goyal DKC, Woods BI, Nicholson KJ, Salmons HI, Galetta MS, Qureshi MA, Lam ME, DiMatteo AL, Greg Anderson D, Kurd MF, Rihn JA, Kaye ID, Kepler CK, Hilibrand AS, Vaccaro AR, Radcliff KE, Schroeder GD. Int J Spine Surg. 2022 Apr;16(2):240-246. doi: 10.14444/8212. Epub 2022 Mar 10. PMID: 35273114 Free PMC article.
11	Workers' Compensation Status and Outcomes Following Lumbar Surgery. Karamian BA, Mangan J, Siegel N, Lambrechts MJ, Sirch F, Trivedi A, Toci G, D'Antonio ND, Canseco JA, Kaye D, Woods B, Radcliff K, Kurd M, Rihn J, Hilibrand A, Kepler CK, Vaccaro AR, Schroeder G. World Neurosurg. 2022 May;161:e730-e739. doi: 10.1016/j.wneu.2022.02.090. Epub 2022 Feb 26. PMID: 35231623
12	Segmental Motion of Cervical Arthroplasty Leads to Decreased Adjacent-Level Degeneration: Analysis of the 7-Year Postoperative Results of a Multicenter Randomized Controlled Trial. Spivak JM, Zigler JE, Philipp T, Janssen M, Darden B, Radcliff K. Int J Spine Surg. 2022 Feb;16(1):186-193. doi: 10.14444/8187. Epub 2022 Feb 17. PMID: 35177528 Free PMC article.
13	Appropriate Telemedicine Utilization in Spine Surgery: Results From a Delphi Study. Iyer S, Bovonratwet P, Samartzis D, Schoenfeld AJ, An HS, Awwad W, Blumenthal SL, Cheung JPY, Derman PB, El-Sharkawi M, Freedman BA, Hartl R, Kang JD, Kim HJ, Louie PK, Ludwig SC, Neva MH,

	Pham MH, Phillips FM, Qureshi SA, Radcliff KE, Riew KD, Sandhu HS, Sciubba DM, Sethi RK, Valacco M, Zaidi HA, Zygourakis CC, Makhni MC. Spine (Phila Pa 1976). 2022 Apr 15;47(8):583-590. doi: 10.1097/BRS.0000000000004339. Epub 2022 Feb 4. PMID: 35125460
14	The impact of case order and intraoperative staff changes on spine surgical efficiency. Levy HA, Karamian BA, Vijayakumar G, Gilmore G, Canseco JA, Radcliff KE, Kurd MF, Rihn JA, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Spine J. 2022 Jul;22(7):1089-1099. doi: 10.1016/j.spinee.2022.01.015. Epub 2022 Feb 1. PMID: 35121151
15	Does Cervical Spondylolisthesis Influence Patient-Reported Outcomes After Anterior Cervical Discectomy and Fusion Surgery? Goyal DKC, Stull JD, Divi SN, Mangan JJ, Conaway WK, Foulger L, Nicholson KJ, Kepler CK, Hilibrand AS, Woods BI, Radcliff KE, Greg Anderson D, Kurd MF, Rihn JA, David Kaye I, Vaccaro AR, Schroeder GD. Int J Spine Surg. 2021 Dec;15(6):1161-1166. doi: 10.14444/8147. PMID: 35086873 Free PMC article.
16	Clinical Outcomes of Robotic Versus Freehand Pedicle Screw Placement After One-to Three-Level Lumbar Fusion. Karamian BA, DiMaria SL, Sawires AN, Canseco JA, Basques BA, Toci GR, Radcliff KE, Rihn JA, Kaye ID, Hilibrand AS, Lee JK, Kepler CK, Vaccaro AR, Schroeder GD. Global Spine J. 2021 Dec 7:21925682211057491. doi: 10.1177/21925682211057491. Online ahead of print. PMID: 34873951
17	No Difference in Neck Pain or Health-Related Quality Measures Between Patients With or Without Degenerative Cervical Spondylolisthesis. Kaye ID, Sebastian AS, Wagner SC, Semenza N, Bowles D, Schroeder GD, Kepler CK, Woods BI, Radcliff KE, Kurd MF, Rihn J, Anderson DG, Hilibrand AS, Vaccaro AR. Global Spine J. 2021 Sep 27:21925682211046906. doi: 10.1177/21925682211046906. Online ahead of print. PMID: 34570993
18	Cervical Total Disc Replacement: Long-Term Outcomes. Callanan G, Radcliff KE. Neurosurg Clin N Am. 2021 Oct;32(4):461-472. doi:

	10.1016/j.nec.2021.05.007. Epub 2021 Jul 29. PMID: 34538472 Review.
19	A Rare T2-T3 Synovial Facet Cyst Causing Progressive Myelopathy. Albana MF, Griffiths SZ, Radcliff KE. Case Rep Orthop. 2021 Jun 29;2021:2799749. doi: 10.1155/2021/2799749. eCollection 2021. PMID: 34306785 Free PMC article.
20	The impact of preoperative motor weakness on postoperative opioid use after ACDF. Levy HA, Karamian BA, Henstenburg J, Larwa J, Canseco JA, Haislup B, Chang M, Patel P, Radcliff KE, Woods BI, Kurd MF, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. J Orthop. 2021 Jun 30;26:23-28. doi: 10.1016/j.jor.2021.06.003. eCollection 2021 Jul-Aug. PMID: 34276147 Free PMC article.
21	Final Long-Term Reporting from a Randomized Controlled IDE Trial for Lumbar Artificial Discs in Single-Level Degenerative Disc Disease: 7-Year Results. Radcliff K, Zigler J, Braxton E, Buttermann G, Coric D, Derman P, Garcia R, Jorgensen A, Ferko NC, Situ A, Yue J. Int J Spine Surg. 2021 Aug;15(4):612-632. doi: 10.14444/8083. Epub 2021 Jul 15. PMID: 34266934 Free PMC article.
22	Do Patients with Back Pain-Dominant Symptoms Improve After Lumbar Surgery for Radiculopathy or Claudication? Divi SN, Woods BI, Goyal DKC, Galetta MS, Nicholson KJ, Dimatteo AL, Lam ME, Qureshi MA, Anderson DG, Kurd MF, Rihn JA, Kaye ID, Kepler CK, Hilibrand AS, Vaccaro AR, Radcliff KE, Schroeder GD. Int J Spine Surg. 2021 Aug;15(4):780-787. doi: 10.14444/8100. Epub 2021 Jul 15. PMID: 34266928 Free PMC article.
23	How Does the Presence of a Surgical Trainee Impact Patient Outcomes in Lumbar Fusion Surgery? Divi SN, Goyal DKC, Hoffman E, Conaway WK, Galtta M, Bowles DR, Houlihan NV, Bechay JF, McEntee RM, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Int J Spine Surg. 2021 Jun;15(3):471-477. doi: 10.14444/8033. Epub 2021 Apr 1. PMID: 34074745 Free PMC article.

24	Can Imaging Characteristics on Magnetic Resonance Imaging Predict the Acuity of a Lumbar Disc Herniation? Divi SN, Goyal DKC, Makanji HS, Kepler CK, Anderson DG, Warner ED, Galtta M, Mujica VE, Houlihan NV, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Hilibrand AS, Vaccaro AR, Schroeder GD. Int J Spine Surg. 2021 Jun;15(3):458-465. doi: 10.14444/8032. Epub 2021 Apr 1. PMID: 34074744 Free PMC article.
25	Lumbar Pedicle Morphology and Vertebral Dimensions in Isthmic and Degenerative Spondylolisthesis-A Comparative Study. Goyal DKC, Tarazona DA, Segar A, Sutton R, Motto MA, Divi SN, Galtta MS, Hilibrand AS, Kaye ID, Kurd MF, Radcliff KE, Rihn JA, Anderson DG, Kepler CK, Hsu V, Woods B, Vaccaro AR, Schroeder GD. Int J Spine Surg. 2021 Apr;15(2):243-250. doi: 10.14444/8009. Epub 2021 Feb 18. PMID: 33900981 Free PMC article.
26	Combined Depression and Anxiety Influence Patient-Reported Outcomes after Lumbar Fusion. Goyal DKC, Stull JD, Divi SN, Galtta MS, Bowles DR, Nicholson KJ, Kaye ID, Woods BI, Kurd MF, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Int J Spine Surg. 2021 Apr;15(2):234-242. doi: 10.14444/8008. Epub 2021 Feb 18. PMID: 33900980 Free PMC article.
27	Three- and 4-Level Lumbar Arthrodesis Using Adjunctive Pulsed Electromagnetic Field Stimulation: A Multicenter Retrospective Evaluation of Fusion Rates and a Review of the Literature. Patel VV, Billys J, Okonkwo DO, He DY, Ryaby JT, Radcliff K. Int J Spine Surg. 2021 Apr;15(2):228-233. doi: 10.14444/8031. Epub 2021 Mar 23. PMID: 33900979 Free PMC article.
28	Corrigendum to "Guideline summary review: an evidence-based clinical guideline for the diagnosis and treatment of low back pain" [The Spine Journal 20/7 (2020) p 998-1024]. Kreiner DS, Matz P, Bono CM, Cho CH, Easa JE, Ghiselli G, Ghogawala Z, Reitman CA, Resnick DK, Watters WC 3rd, Annaswamy TM, Baisden J, Bartynski WS, Bess S, Brewer RP, Cassidy RC, Cheng DS, Christie SD, Chutkan NB, Cohen BA, Dagenais S, Enix DE, Dougherty P, Golish SR, Gulur P, Hwang SW, Kilincer C, King JA, Lipson AC, Lisi AJ, Meagher RJ, O'Toole JE, Park P, Pekmezci M, Perry DR, Prasad R, Provenzano DA, Radcliff KE, Rahmathulla G, Reinsel TE, Rich RL Jr, Robbins DS,

	Rosolowski KA, Sembrano JN, Sharma AK, Stout AA, Taleghani CK, Tauzell RA, Trammell T, Vorobeychik Y, Yahiro AM. Spine J. 2021 Apr;21(4):726-727. doi: 10.1016/j.spinee.2021.02.006. Epub 2021 Feb 24. PMID: 33640275 No abstract available.
29	Patient Outcomes Following Short-segment Lumbar Fusion Are Not Affected by PI-LL Mismatch. Divi SN, Kepler CK, Hilibrand AS, Goyal DKC, Mujica VE, Radcliff KE, Anderson DG, Kurd MF, Rihn JA, Kaye ID, Woods BR, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2021 Mar 1;34(2):73-77. doi: 10.1097/BSD.0000000000001051. PMID: 33633060
30	Are Patient Outcomes Affected by the Presence of a Fellow or Resident in Lumbar Decompression Surgery? Divi SN, Goyal DKC, Galetta MS, Guzek R, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Spine (Phila Pa 1976). 2021 Jan 1;46(1):35-40. doi: 10.1097/BRS.0000000000003721. PMID: 33315362
31	How do C2 tilt and C2 slope correlate with patient reported outcomes in patients after anterior cervical discectomy and fusion? Divi SN, Bronson WH, Canseco JA, Chang M, Goyal DKC, Nicholson KJ, Mujica VE, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Spine J. 2021 Apr;21(4):578-585. doi: 10.1016/j.spinee.2020.10.033. Epub 2020 Nov 13. PMID: 33197615
32	Guidelines for cortical screw versus pedicle screw selection from a fatigued decompressive lumbar laminectomy model show similar stability and less bone mineral density dependency. Radcliff KE, Harris JA, Klocke NF, Cai Y, Hao JC, Bucklen BS. Clin Biomech (Bristol, Avon). 2020 Dec;80:105195. doi: 10.1016/j.clinbiomech.2020.105195. Epub 2020 Oct 10. PMID: 33128963
33	Do Preoperative Epidural Steroid Injections Increase the Risk of Infection After Lumbar Spine Surgery? Kreitz TM, Mangan J, Schroeder GD, Kepler CK, Kurd MF, Radcliff KE, Woods BI, Rihn JA, Anderson DG, Vaccaro AR, Hilibrand AS.

	Spine (Phila Pa 1976). 2021 Feb 1;46(3):E197-E202. doi: 10.1097/BRS.0000000000003759. PMID: 33079913
34	Economics of Cervical Disc Replacement. Radcliff K, Guyer RD. Int J Spine Surg. 2020 Aug;14(s2):S67-S72. doi: 10.14444/7093. PMID: 32994308 Free PMC article.
35	Development of a Telemedicine Neurological Examination for Spine Surgery: A Pilot Trial. Goyal DKC, Divi SN, Schroeder GD, Pfeifer R, Canseco JA, Bowles DR, Nicholson KJ, Patel PD, Reyes AA, Radcliff KE, Kurd MF, Woods BI, Kaye ID, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Harrop JS, Vaccaro AR. Clin Spine Surg. 2020 Nov;33(9):355-369. doi: 10.1097/BSD.0000000000001066. PMID: 32969872
36	Does the Size or Location of Lumbar Disc Herniation Predict the Need for Operative Treatment? Divi SN, Makanji HS, Kepler CK, Anderson DG, Goyal DKC, Warner ED, Galetta MS, Hilibrand AS, Kaye ID, Kurd MF, Radcliff KE, Rihn JA, Woods BI, Vaccaro AR, Schroeder GD. Global Spine J. 2022 Mar;12(2):237-243. doi: 10.1177/2192568220948519. Epub 2020 Sep 16. PMID: 32935569 Free PMC article.
37	Depression Identified on the Mental Component Score of the Short Form-12 Affects Health Related Quality of Life After Lumbar Decompression Surgery. Divi SN, Goyal DKC, Stull JD, Morgenstern M, Galetta MS, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2021 Apr 1;34(3):E126-E132. doi: 10.1097/BSD.0000000000001064. PMID: 32889958
38	Does Smoking Affect Short-Term Patient-Reported Outcomes After Lumbar Decompression? Goyal DKC, Divi SN, Bowles DR, Mujica VE, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Global Spine J. 2021 Jun;11(5):727-732. doi:

	10.1177/2192568220925791. Epub 2020 May 29. PMID: 32875911 Free PMC article.
39	Does Smoking Status Influence Health-Related Quality of Life Outcome Measures in Patients Undergoing ACDF? Mangan JJ, Goyal DKC, Divi SN, Bowles DR, Nicholson KJ, Mujica VE, Lee TJ, DePaola RV, Saline A, Fang T, Galetta MS, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Global Spine J. 2021 Jan;11(1):50-56. doi: 10.1177/2192568219890292. Epub 2019 Nov 28. PMID: 32875848 Free PMC article.
40	Worker's Compensation Terminology. Galetta M, Radcliff KE, Hilibrand AS, Vaccaro AR, Yeon HB. Clin Spine Surg. 2020 Aug;33(7):280-283. doi: 10.1097/BSD.0000000000001018. PMID: 32554988
41	Processing and Handling Cost of Single-use Versus Traditional Instrumentation for 1 Level Lumbar Fusions. Galetta MS, Divi SN, Shapses MA, Hartman JB, Nicholson KJ, Goyal DKC, Fang T, Mangan JJ, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2021 Feb 1;34(1):E39-E44. doi: 10.1097/BSD.0000000000001033. PMID: 32554985
42	How Does Smoking Influence Patient-reported Outcomes in Patients After Lumbar Fusion? Goyal DKC, Divi SN, Bowles DR, Nicholson KJ, Mujica VE, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Clin Spine Surg. 2021 Feb 1;34(1):E45-E50. doi: 10.1097/BSD.0000000000001022. PMID: 32453166
43	How do spinopelvic parameters influence patient-reported outcome measurements after lumbar decompression? Divi SN, Goyal DKC, Bowles DR, Mujica VE, Guzek R, Kaye ID, Kurd MF, Woods BI, Radcliff KE, Rihn JA, Anderson DG, Hilibrand AS, Kepler CK, Vaccaro AR, Schroeder GD. Spine J. 2020 Oct;20(10):1610-1617. doi: 10.1016/j.spinee.2020.05.101. Epub 2020 May 20. PMID: 32445807

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190	Insulin-like growth factor-I regulates proliferation and osteoblastic differentiation of calcifying vascular cells via extracellular signal-regulated protein kinase and phosphatidylinositol 3-kinase pathways. Radcliff K, Tang TB, Lim J, Zhang Z, Abedin M, Demer LL, Tintut Y. Circ Res. 2005 Mar 4;96(4):398-400. doi: 10.1161/01.RES.0000157671.47477.71. Epub 2005 Feb 3. PMID: 15692088
191	Multilineage potential of cells from the artery wall. Tintut Y, Alfonso Z, Saini T, Radcliff K, Watson K, Boström K, Demer LL. Circulation. 2003 Nov 18;108(20):2505-10. doi: 10.1161/01.CIR.0000096485.64373.C5. Epub 2003 Oct 27. PMID: 14581408
192	Vascular calcification and its relation to bone calcification: possible underlying mechanisms. Mody N, Tintut Y, Radcliff K, Demer LL. J Nucl Cardiol. 2003 Mar-Apr;10(2):177-83. doi: 10.1067/mnc.2003.0012. PMID: 12673183 Review. No abstract available.

Publications, non-peer reviewed:

1	David S. Casper, James McKenzie, Gregory D. Schroeder. Controversial Cervical Spine Fractures: Classification and Treatment. Seminars in Spine Surgery. September 2016
2	Paul W. Millhouse, Kris E. Radcliff, Alexander R. Vaccaro. What is symptomatic adult deformity Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p119–121
3	Paul W. Millhouse, Abhijeet B. Kadam, Dexter K. Bateman, Alexander R. Vaccaro, Kris E. Radcliff, Caleb Behrend. Degenerative scoliosis surgical fixation techniques. Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 126-138
4	Abhijeet B. Kadam, Paul W. Millhouse, Kris E. Radcliff. Perioperative management of the adult scoliosis patient. Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 139-146
5	Amandeep Bhalla, Reginald Fayssoux, Kris E. Radcliff. Adult spinal deformity: Radiographic parameters. Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 155-158

6	Amandeep Bhalla, Reginald Fayssoux, Kris E. Radcliff. Approach options in adult spinal deformity surgery. Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 163-168
7	Kris E. Radcliff, Christopher K. Kepler, John D. Koerner, Alan S. Hilibrand, Todd J. Albert, Alexander R. Vaccaro. C1 plumb line and cervical sagittal balance predict the outcome of cervical laminectomy and fusion. Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 169-172
8	Kris E. Radcliff, Scott Vizzi, Paul W. Millhouse, Christopher K. Kepler, Alexander R. Vaccaro. Does fusion increase the incidence of adjacent segment disease in patients with symptomatic lumbar degenerative disk disease? Seminars in Spine Surgery September 2015. Vol. 27, Issue 3, p 173-179
9	Sapan D. Gandhi, Kushagra Verma, Todd Albert, Alan Hilibrand, Alexander Vaccaro, Kristen Radcliff. How often is adjacent segment disease reported? A systematic review of prospective studies comparing total disc arthoplasty versus ACDF. Seminars in Spine Surgery, Vol. 25, Issue 3, p205–208. September, 2013
10	Justin Kane, Andrew Kay, Mitchell Maltenfort, Christopher Kepler, Todd Albert, Alexander Vaccaro, Kris Radcliff. Complication rates of minimally invasive spine surgery compared to open surgery: A systematic literature review. Seminars in Spine Surgery, Vol. 25, Issue 3, p191–199. September, 2013
11	Kris Radcliff, Benjamin G. Thomasson. Flexion-Distraction Injuries of the Subaxial Cervical Spine. Seminars in Spine Surgery, Vol. 25, Issue 1, p45–56. September 25, 2012
12	Kris Radcliff, Todd Albert. Why study value in spine surgery? Seminars in Spine Surgery, Vol. 26, Issue 1, p1. February 25, 2014
13	Kris E Radcliff, Andrew B Kay, Gursukhman S Sidhu, Todd J Albert, Alan S Hilibrand, Reginald Fayssoux, Alexander R Vaccaro. Early subluxation and failure of a stand-alone cervical integrated plate–spacer device. Seminars in Spine Surgery. Volume 26, Issue 3, September 2014, Pages 167–171.
14	Worawat Limthongkul, Weerasak Singhatanadgige, Alexander R. Vaccaro, Todd J. Albert, Kris Radcliff. Health-related quality of life and cost after cervical spine trauma. Seminars in Spine Surgery, Vol. 26, Issue 1, p30–37. February 25, 2014

15	Nikolaus Hjelm, Suneel B. Bhat, Kris Radcliff. The economic implications of operative vs. non-operative management of thoracolumbar burst fractures: A systematic review. Seminars in Spine Surgery, Vol. 26, Issue 1, p12–15. February 25, 2014
16	Jeffrey A. Moore, Todd J. Albert, Kris Radcliff. The value and cost-effectiveness of adult degenerative lumbar surgery. Seminars in Spine Surgery, Vol. 26, Issue 1, p38–44. February 25, 2014
17	Response To: Re: Radcliff K, Kepler C, Hilibrand A, Rihn J, Zhao W, Lurie J, Tosteson T, Vaccaro A, Albert T, and Weinstsin, J. Epidural steroid injections are associated with less improvement in patients with lumbar spinal stenosis. Spine 2013; 38: 279-291.
18	Radcliff K, Hilibrand A, Vaccaro A, Albert T. Letter to the Editor. Spine (Phila Pa 1976). 2013 Jun 11.
19	Radcliff K, Kepler CK, Vaccaro AR. Response to Drs. Joaquim and Patel. J Neurosurg Spine. 2013 Mar;18(3):315.
20	Gruskay J, Smith J, Kepler CK, Radcliff K, Albert T, Vaccaro A, Harrop J. Response to Letter to the Editor. J Neurosurg Spine. 2013 Jun;18(6):661-2.
21	Radcliff K. Invited Debate Article: "Con: Epidural Steroid Injections Are Not Useful in the Treatment of Lumbar Stenosis." AAOS Now Invited Debate. 2013
22	Radcliff KE. The spine surgery waiting place. Spine J. 2013 Dec;13(12):1749-50. doi: 10.1016/j.spinee.2013.08.011. PMID: 24315556
23	Koerner J, Radcliff K. Spondylolysis in the Athlete. Operative Techniques in Sports Medicine 2013 21(3):177-184
24	Radcliff K, Thomasson B. Flexion-Distraction Injuries of the Subaxial Cervical Spine. Seminars in Spine Surgery 2013 25(1): 45-56
25	Smith H, Rihn J, Radcliff K, Vaccaro A. Imaging in the Setting of Thoracolumbar Trauma: The Use of Magnetic Resonance Imaging to Diagnose Injury to the Posterior Ligamentous Complex. Seminars in Spine Surgery 2012 24(4) 216-220
26	Radcliff K, Gendelberg D. "Orthopedic Surgeons' Approach to Back Pain." AANS-Neurosurgeon Review Article. 2012
27	Radcliff K, Rubin T, Reitman CA, Hilibrand A. Normal Cervical Alignment. Seminars in Spine Surgery 2011 September 23(3):159-164

28	Radcliff K, Maher L, Vaccaro AR. "Why Stem Cells Will Not Be A Useful Adjunct to Spine Fusion." Spine Line Review Article. August 2011.
29	Radcliff K, Gruskay J, Rihn J, Miller L, Vaccaro AR. "Surgical Planning for the Treatment of Thoracolumbar Fractures: Anterior, Posterior, or Combined Approach?." Seminars in Spine Surgery 2012 24(4) 244-251
30	Radcliff K, Vaccaro A, Albert T, Rihn J. Physiologic limitations and complications of spinal cord injury in the elderly population. Topics in Spinal Cord Injury Rehabilitation, Vol. 15, No. 3 (Winter 2010) pp. 85-95

Abstracts Accepted to Scientific Meetings:

2020	February	ISASS 2020: Is Facet Joint Distraction a Cause of Postoperative Axial Neck Pain After ACDF Surgery?
2020	February	ISASS 2020: Does the Size or Location of Lumbar Disc Herniation Predict the Need for Operative Treatment?
2020	February	ISASS 2020: Can Imaging Characteristics on MRI Predict the Acuity of a Lumbar Disc Herniation?
2020	February	ISASS 2020: Patient Outcomes Following Short-segment Lumbar Fusion Are Not Affected by PI-LL Mismatch
2020	February	ISASS 2020: PI-LL Mismatch Does Not Influence Patient Reported Outcome Measurements After Lumbar Decompression
2020	February	ISASS 2020: Does Pre-existing Cervical Deformity Affect Patient Outcomes in Patients Undergoing ACDF for Degenerative Disease?
2020	February	ISASS 2020: Which Cervical Radiographic Measurements Are Important for Patient Reported Outcomes in ACDF Patients?
2020	February	ISASS 2020: Use of Calcium Sulfate Beads Is Associated with Increased Complication Rates After Lumbar or Cervical Spine Fusion
2019	April	Do Patients with Dominant Neck Pain Improve as Much as Patients with Dominant Arm Pain After Cervical Spine Surgery? ISASS 2019

2019	November	11-2-19 SMISS Titanium Implants Manufactured with Proprietary 3D-printing Build Themes Contain Surface Features that Increase Biologic Activity
2019	November	11-22-19 CSRS Does Chronic Preoperative Opioid Use Affect Patient Outcomes After Acdf Surgery
2019	November	11-22-19 CSRS Does Neurologic Diagnosis Affect Improvement In Neck Pain After Acdf Surgery?
2019	November	11-22-19 CSRS Home Versus Standard Physical Therapy After Acdf Surgery: Preliminary Results Of Health-Related Quality Of Life Outcomes From A Randomized Controlled Trial
2019	November	11-22-19 CSRS How Much Do Patients With Predominantly Neck Pain Improve After Acdf Surgery For Cervical Radiculopathy?
2019	September	9-26-19 LSRS Presence of a surgical trainee does not affect patient outcomes in lumbar fusion surgery
2019	September	9-26-19 LSRS Patient outcomes following short-segment lumbar fusion are not affected by PI-LL mismatch
2019	September	9-26-19 LSRS Can imaging characteristics on MRI predict the acuity of a lumbar disc herniation?
2018	October	10-2018 NASS Do Preoperative Epidural Steroid Injections Increase the Risk of Infection After Lumbar Spine Surgery?
2018	October	10-2018 NASS No Difference in Reoperation Rates or Outcomes for a Two-Level Posterolateral Fusion Augmented with Single- versus Two-Level Transforaminal Lumbar Interbody Fusion
2018	October	10-2018 NASS Changes in Radiographic Alignment Do Not Influence the Development of Postoperative C5 Palsy
2018	October	10-2018 NASS The Effects of Operating Room Size on Surgical Site Infection Following Lumbar Fusion Surgery
2018	December	12- 2018 CSRS. Presentation #2 Does Duration of Preoperative Radiculopathy Symptoms Impact Postoperative Outcomes and Reoperations After an ACDF?
2018	December	12- 2018 CSRS. Presentation #30 Does Severity of Preoperative Myelopathy Symptoms Impact Health-Related Quality of Life in Cervical Spondylotic Myelopathy?
2018	December	12- 2018 CSRS. Presentation #38 Are Outcomes of ACDF Influenced by Presurgical Depressive Symptoms on the Mental Component Score of the Short Form 12 Survey?

2018	December	12- 2018 CSRS. Presentation #82 Do Preoperative Cervical Epidural Steroid Injections Affect Outcomes After ACDF for Radiculopathy?
2018	April	4-2018 ISASS 2018. Patient Factors Associated with the Risk of Adjacent Level Subsequent Surgery after Cervical Total Disc Replacement (TDR) or Anterior Cervical Discectomy and Fusion (ACDF)
2017	December	12-2017 CSRS 2017: Item-Specific Improvements in Neck Disability after TDR or ACDF: A Post-Hoc Analysis of Self-Reported Outcomes from a Prospective Clinical Trial
2017	December	CSRS 2017 Two-Year Surgical Outcomes of Patients with Cervical Myelopathy: An Analysis of the Impact of Patient Characteristics, Operative Data, and Preoperative Nonoperative Treatment Modalities
2017	December	CSRS 2017 1st Place Clinical Research Award Winner Presentation #66 The Real Costs of ACDF: A Time-Driven Activity-Based Costing Analysis
2017	December	CSRS 2017 Does Screw Density Affect the Revision Rate of a Multilevel Posterior Cervical Decompression and Fusion
2017	April	ISASS 2017 Seven-year Clinical Results of Cervical Total Disc Replacement Compared with Anterior Discectomy and Fusion for Treatment of Two-level Symptomatic Degenerative Disc Disease: A Prospective, Randomized, Controlled, Multicenter FDA Clinical Trial
2017	April	ISASS 2017 Feasibility of Endoscopic Inspection of Pedicle Wall Integrity in a Live Surgery Model
2016	December	Are Patient Reported Outcomes Predictive of Patient Satisfaction Five Years After Anterior Cervical Spine Surgery. CSRS Toronto 2016.
2016	December	Diminished Mental Health Prior to Cervical Fusion Can Have a Profound Effect on Patient Derived Outcomes Depending on Presenting Diagnosis: Results of a Prospective Surgeon Driven Cervical Database at 2 Years. CSRS Toronto 2016
2016	December	Which Domains of the Ndi Improve Most after Surgery for Cervical Myelopathy? CSRS Toronto 2016
2016	September	Outcomes of Treatment for Cervical Myelopathy. North American Spine Society Boston 2016.
2016	September	Does Sagittal Balance Influence the Surgical Outcomes of Patients with Cervical Myelopathy? North American Spine Society Boston 2016.

2016	September	Is it Necessary to Extend a Multilevel Posterior Cervical Decompression and Fusion to the Upper Thoracic Spine? North American Spine Society Boston 2016.
2016	September	Radiographic Analysis of Cervical Myelopathy Patients. North American Spine Society Boston 2016.
2016	September	Seven-Year Clinical Results of Cervical Total Disc Replacement Compared with Anterior Discectomy and Fusion for Treatment of Two-Level Symptomatic Degenerative Disc Disease: A Prospective, Randomized, Controlled, Multicenter FDA Clinical Trial. North American Spine Society Boston 2016.
2016	September	Outcomes After Four-Level Anterior Cervical Diskectomy and Fusion. North American Spine Society Boston 2016.
2016	September	Variables that Predispose a Spine Patient to a Non- Emergent Transfer to a Tertiary Care Hospital. North American Spine Society Boston 2016.
2016	September	Correlating Patient Reported Outcomes to Patient Satisfaction in Patients with a Lumbar Disc Herniation. North American Spine Society Boston 2016.
2016	September	The Total Cost to the Healthcare System and Downstream E ects of Adult Spinal Deformity. North American Spine Society Boston 2016.
2016	September	The Total Cost to the Healthcare System for the Treatment of Cervical Myelopathy. North American Spine Society Boston 2016.
2016	September	Clinical Outcomes of Operative versus Nonoperative Treatment of Adult Scoliosis: A Comparison Using 4 Standardized Outcomes Measure. North American Spine Society Boston 2016.
2016	September	Comparison of Baseline Radiographic Alignment with SRS-30, ODI and SF-12 Scores in Adult Scoliosis. North American Spine Society Boston 2016.
2016	March	Paper 058: Predictors of Upper Body Post-Operative Pain/Disability in Surgical Cervical Radiculopathic Patients. American Academy of Orthopedic Surgeons March 2016
2016	March	Paper 058: Is it Necessary to Extend a Multilevel Posterior Cervical Decompression and Fusion to the Upper Thoracic Spine? American Academy of Orthopedic Surgeons March 2016

2016	March	Paper 366 The Positive Effect of Continued Motion of a Cervical Artificial Disc Replacement on Radiographic Adjacent Level Degeneration at Long Term Follow-Up. International Society for the Advancement of Spine Surgery
2015	March	Presentation 266 Analysis of Post-operative Clinical Outcome between Patients with and without History of Prior Cervical Spine Surgery - a Multicenter Study of 1313 Patients of 2-year Follow-up from the Association for Collaborative Spinal Research. International Society for the Advancement of Spine Surgery 2015
2015	March	Presentation 339 C-arm Positioning Is a Significant Source of Unnecessary Radiation Exposure. International Society for the Advancement of Spine Surgery 2015
2015	March	Presentation 314 Predictors of Two-year Surgical Outcomes of Patients with Cervical Myelopathy: An Analysis of 203 Patients. International Society for the Advancement of Spine Surgery 2015
2015	April	Paper #38 The Economic Impact of an Incidental Durotomy . Lumbar Spine Research Society 2015
2015	April	Paper #30 A Survey On Spine Surgeons' Opinions On The Release Of The Cms Data. Lumbar Spine Research Society 2015
2015	September	Paper #25: Cost-Analysis of a Minimally Invasive Lumbar Decompression versus an Open Lumbar Decompression. SMISS 2015
2015	September	Presentation #98. Is it Necessary to Extend a Multilevel Posterior Cervical Decompression and Fusion to the Upper Thoracic Spine? Cervical Spine Research Society 2015
2015	September	Presentation #25 Clinical Obesity in Total Disc Replacement and Anterior Cervical Discectomy and Fusion Patients through Five Years Follow-Up. Cervical Spine Research Society 2015
2015	October	Surgical Management of Cervical Myelopathy: An Analysis of Patient Characteristics, Surgical Procedures, Complication Rates and Risk Factors
2015	October	Does Patient Satisfaction Reflect Quantitative Pain and Function Measurements in Cervical Spine Surgery? NASS 2015. October.
2015	October	Reliability of the Recently Proposed CARDS Classification for Degenerative Spondylolisthesis. NASS 2015. October.
2015	October	Does the Use of Intrawound Vancomycin Decrease the Risk of Surgical Site Infection after Elective Spine Surgery? A Multicenter Analysis. NASS 2015. October.

2015	October	Are Patients Undergoing an Anterior Cervical Discectomy and Fusion Treated Differently at a Physician-Owned Hospital? NASS 2015. October.
2015	October	Nonoperative Treatment Modalities Prior to Cervical Surgery Affect Patient Outcomes: An Analysis of 1522 Patients. NASS 2015. October.
2015	October	The Benefit of Continued Motion of a Cervical Artificial Disc Replacement on Radiographic Adjacent Level Degeneration at Seven-Year Follow-Up. NASS 2015. October.
2015	October	Seven-Year Cost-Effectiveness of Cervical Disc Replacement Versus Anterior Cervical Discectomy and Fusion: Results from Investigational Device Exemption and Post-Approval Studies of ProDisc®-C Total Disc Replacement. NASS 2015. October.
2015	March	Biomechanical Comparison of Cortical Screws to Traditional Pedicle Screws with Immediate and Simulated Long-term Stabilization Results in a Lumbar Laminectomy Model. Joint Section AANS/CNS Meeting. March 2015
2014	September	Simulating the Long-Term Biomechanical Performance of Cortical Screws: Can a more MIS Screw Option Provide Equivalent Stability as Traditional Pedicle Screws? 9/2014 SMISS Miami.
2014	September	C-arm Positioning is a Significant Source of Unnecessary Radiation Exposure. 9/2014 SMISS Miami.
2014	September	Can Cortical Screws Provide the Same Resistance to Catastrophic Hardware Failure as Traditional Pedicle Screws following Simulated Fatigue: A Biomechanical Investigation. 9/21/14 SMISS Miami.
2013	December	Costs of Cervical Disc Replacement versus Anterior Cervical Discectomy and Fusion for Treatment of Single-Level Cervical Disc Disease: An Analysis of the Blue Health Intelligence Database for Acute and Long-Term Costs and Complications. Cervical Spine Research Society 12/5/13 Los Angeles
2013	December	Association of Myelopathy Scores with Cervical Sagittal Balance and Normalized Spinal Cord Volume: Analysis of 56 Preoperative Cases from the AOSpine North America Myelopathy Study. Cervical Spine Research Society 12/7/13 Los Angeles
2013	October	Primary Closure versus paraspinous muscle flaps for spinal surgical site infections: A survivorship analysis North American Spine Society 10/10/2013

2013	July	Instrumentation Constructs in Occipitocervical Dissociation International Meeting on Advanced Spinal Technology 7/12/2013.
2013	July	Rate of Adjacent Segment Disease in Cervical Disc Arthoplasty Versus Fusion: An Analysis of Prospective Studies International Meeting on Advanced Spinal Technology 7/12/2013.
2013	June	Survivorship of Cervical Disk Arthroplasty versus ACDF: A Review of the Blue Health Intelligence Database. Spine Technology Symposium. Los Cabos, Mexico. 6/21/2013
2013	March	Comparative Survivorship on role of Primary Closure versus Complex Muscle Flap Closure Procedure after irrigation and debridement for deep spinal surgical site infection. Lumbar Spine Research Society March 2013.
2013	March	Complications of Flat Bedrest Following Incidental Dural Repair. Lumbar Spine Research Society March 2013.
2013	March	Is Limb Length Discrepancy Related to Degenerative Scoliosis? Lumbar Spine Research Society March 2013.
2013	March	MRI Evaluation of Postoperative Epidural Fluid Collections. Lumbar Spine Research Society March 2013.
2013	March	Rate of Adjacent Segment Disease in Cervical Disc Arthoplasty Versus Fusion: An Analysis of Prospective Studies. AAOS Annual Meeting 3/20/2013
2013	March	Clinical Validation of a Novel, Anatomically Based Classification of Cervical Stenosis. AAOS Annual Meeting 3/20/2013
2012	December	Adjacent Segment Disease After Cervical Arthroplasty versus ACDF. CSRS. 12/6/2012.
2012	October	Pelvic Incidence in Patients with Hip Osteoarthritis. North American Spine Society. 10/27/2012.
2012	October	National Trends in the Use of Interbody Fusion Techniques to Treat Degenerative
2012	October	Spondylolisthesis: Data from the American Board of Orthopaedic Surgeons (ABOS). North American Spine Society 10/26/2012.
2012	July	National Trends in the Use of Interbody Fusion Techniques to Treat Degenerative
2012	July	Spondylolisthesis: Data from the American Board of Orthopaedic Surgeons (ABOS). IMAST 7/2012.
2012	May	Development of a Novel, Reproducible Classification of Cervical Stenosis. Spine Study Group Meeting. 6/22/2012.

2012	May	Development of a Novel, Reproducible Classification of Cervical Stenosis. Spine Study Group Meeting. 5/18/2012.
2012	May	National Trends in the Use of Interbody Fusion Techniques to Treat Degenerative
2012	May	Spondylolisthesis: Data from the American Board of Orthopaedic Surgeons (ABOS). Spine Study Group 5/18/2012
2012	February	Reoperation Following Degenerative Spondylolisthesis Surgery: A Subgroup Analysis of the SPORT. American Academy of Orthopedic Surgeons. February 2012.
2012	February	Do Epidural Steroid Injections Affect Outcomes for Lumbar Stenosis and Degenerative Spondylolisthesis Patients? American Academy of Orthopedic Surgeons. February 2012.
2012	February	Does Opioid Pain Medication Use Affect the Outcome of Patients with Lumbar Disk Herniation? American Academy of Orthopedic Surgeons. February 2012.
2012	February	The Seasonality of Postoperative Infection in Spine Surgery. American Academy of Orthopedic Surgeons. February 2012.
2012	February	The Correlation Between Frequency of Surgical Site Infections and Surgery Case Order. American Academy of Orthopedic Surgeons. February 2012.
2012	February	Implant Costs, Fixation Points, and Patient Outcomes: Implications for the Surgical Treatment of AIS. American Academy of Orthopedic Surgeons. February 2012.
2012	February	Incidence of Undiagnosed Cervical Myelopathy in Patients with Odontoid Fractures. American Academy of Orthopedic Surgeons. February 2012.
2012	February	Incidence of Undiagnosed Neurological Disorders in Hip Fracture Patients. American Academy of Orthopedic Surgeons. February 2012.
2012	February	Stochastic Simulation of Operative vs. Non-operative Management of Odontoid Fracture in the Elderly. American Academy of Orthopedic Surgeons. February 2012.
2011	February	Spinal Cord Injury Associated with Type II Odontoid Fractures: A Retrospective Cohort Analysis. American Academy of Orthopedic Surgeons February 2011
2011	February	Cost-Utility Analyses in Spinal Care: A Systematic Review. American Academy of Orthopedic Surgeons February 2011

2011	February	Does a Multilevel Laminectomy with a Single Level PLF Increase the Risk of Adjacent Segment Disease. American Academy of Orthopedic Surgeons February 2011
2011	February	Epidural steroid injections affect the outcome of lumbar disk herniation. A SPORT subgroup analysis. American Academy of Orthopedic Surgeons February 2011
2011	December	What is the Incidence of Dysphagia after Posterior Cervical Surgery? Cervical Spine Research Society December 2011
2011	December	Incidence of Undiagnosed Neurological Disorders in Hip Fracture Patients Cervical Spine Research Society December 2011
2011	December	Incidence of Undiagnosed Cervical Myelopathy in Patients with Odontoid Fractures. Cervical Spine Research Society December 2011
2011	November	Do Epidural Steroid Injections Affect the Outcome of Patients Treated for Lumbar Stenosis? A Subgroup Analysis of the SPORT General Session: Best Papers. North American Spine Society November 2011
2011	November	The Impact of Epidural Steroid Injections on the Outcome of Patients Treated for Lumbar Disc Herniation: A Subgroup Analysis of the Spine Patient Outcomes Research Trial (SPORT). Concurrent Session: Lumbar Decompression. North American Spine Society November 2011
2011	November	Does Iliac Crest Autograft Affect the Outcome of Fusion in the Setting of Degenerative Spondylolisthesis? A Subgroup Analysis of the SPORT Study FPP: Bone Grafting and Substitutes. North American Spine Society November 2011
2011	November	Predictors of Reoperation in Lumbar Stenosis and Degenerative Spondylolisthesis Surgery: A Subgroup Analysis of the SPORT Study. Concurrent Session: Lumbar Decompression. North American Spine Society November 2011
2011	November	Does Weakness Affect the Outcome of Patients Treated for Lumbar Disc Herniation? A Subgroup Analysis of the SPORT Study . Concurrent Session: Lumbar Decompression. North American Spine Society November 2011
2011	November	Does Opioid Pain Medication Use Affect the Outcome of Patients with Lumbar Disc Herniation? A Subgroup Analysis of the SPORT Study. Concurrent Session: Lumbar Decompression. North American Spine Society November 2011

2011	November	Perioperative risk stratification reduces the incidence of complications after total knee arthroplasty. American Academy of Hip and Knee Surgeons November 2011
2011	February	Effect of Epidural Steroid Injections on Outcome of Treatment of Intervertebral Disc Herniation, Spinal Stenosis, and Degenerative Spondylolisthesis. A subgroup analysis of the Spine Patient Outcomes Research Trial (SPORT). American Academy of Orthopaedic Surgeons Meeting 2/2011.
2011	February	Does Vertebral Body Height Loss or Kyphosis Predict Ligamentous and Neurologic Injury in Thoracolumbar Burst Fractures? American Academy of Orthopaedic Surgeons Meeting 2/2011.
2011	February	Spinal Cord Injury Associated with Type II Odontoid Fractures: A Retrospective Cohort Analysis American Academy of Orthopaedic Surgeons Annual Meeting 2/2011.
2011	February	Does Single or Multilevel Laminectomy Predict Adjacent Segment Disease After Lumbar Fusion? American Academy of Orthopaedic Surgeons Annual Meeting 2/2011.
2010	October	CT and MRI Characteristics of Occipitocervical Dislocations. North American Spine Society Annual Meeting 10/5/2010
2010	October	Occipital Condyle Plumb Line Is Predictive of Outcome of Cervical Laminectomy and Fusion. North American Spine Society Annual Meeting 10/5/2010
2010	October	Effect of Obesity on Outcome of Treatment of Intervertebral Disc Herniation, Spinal Stenosis, and Degenerative Spondylolisthesis. A subgroup analysis of the Spine Patient Outcomes Research Trial (SPORT). North American Spine Society Annual Meeting 10/5/2010
2010	October	Effect of Duration of Symptoms on Outcome of Treatment of Spinal Stenosis and Degenerative Spondylolisthesis. A subgroup analysis of the Spine Patient Outcomes Research Trial (SPORT). International Meeting on Advanced Spinal Technologies, Toronto 7/23/2010.

Posters Accepted to Scientific Meetings

2018	June	AOA Meeting 2018. AOA 2018: A survey of board certification methods for orthopedic surgeons.
2017	February	AAOS 2017 eP013 Outcomes after treatment for cervical myelopathy

2017	February	AAOS 2017 eP014 Outcomes after surgical management for L4/5 degenerative spondylolisthesis
2017	February	AAOS 2017 eP015 Does sagittal balance influence the surgical outcomes of patients with cervical myelopathy?
2017	February	AAOS 2017 eP016 Does baseline sagittal balance influence the surgical outcomes of patients with L4/5 degenerative spondylolisthesis?
2017	February	NASS 2017 P192. Functional Comparison Between Operatively and Nonoperatively Treated Lumbar Spondylolisthesis Patients
2017	February	NASS 2017 P194. Comparative Radiographic Analysis and Functional Score Correlation Between Operatively and Nonoperatively Treated Lumbar Spondylolisthesis Patients
2017	February	CSRS E-Poster #12 (pg. 294) Complications Associated with Surgical Management of Cervical Myelopathy: An Analysis of Risk Factors and HRQOL Outcomes Using Baseline Characteristics
2017	February	ISASS 2017 178Which Domains of the ODI Are Associated with Improved Physical Health Status after One-level Fusion for Lumbar Degenerative Spondylolisthesis?
2017	February	ISASS 2017 Poster 262 Application of Personalized Medicine Analytics in the Decision to Use Pulsed Electromagnetic Field Therapy (PEMF) after Anterior Cervical Discectomy and Fusion (ACDF)
2017	February	ISASS 2017 Posterior 337 Gender and Self-reported Health Status Are Associated with Clinical Encounter Patient Satisfaction
2017	February	ISASS 2017 Poster 558 Top-box Scoring Methodology Does Not Overly Skew Interpretation of Patient Satisfaction Scores.
2017	February	ISASS 2017 Poster 560 Clinical Outcome Following Revision Surgery for Patients with Cervical Spondylotic Myelopathy.
2016	October	P34. Postoperative Surgical Site Infection Increases Mortality Following Elective Spine Surgery. North American Spine Society 2016.
2016	October	P164. The Total Cost to the Healthcare System for the Treatment of Spinal Stenosis with and without Spondylolithesis. North American Spine Society 2016.
2016	April	Poster 311 Non-operative Treatment Modalities Prior to Cervical Surgery Affects Patient Outcomes: An Analysis of 1818 Patients. International Society for the Advancement of Spine Surgery

2016	April	Poster #20 Opioid-related Adverse Events With Lumbar Spine Surgery: Is The Risk Real? Lumbar Spine Research Society
2015	December	E-poster #26 The Total Cost to the Healthcare System for the Treatment of Cervical Myelopathy. Cervical Spine Research Society 2015
2015	October	P34. Is the CARDS Classification for Degenerative Spondylolisthesis Predictive of Preoperative Outcome Scores? NASS 2015. Chicago.
2015	October	P110. Analysis of Postoperative Clinical Outcomes between Patients with and without History of Cervical Spine Surgery: A Multicenter Study of 1286 Patients of Two-Year Follow-Up . NASS 2015. Chicago.
2014	December	12/6/2014 CSRS. Non-Operative Treatment Modalities Prior to Cervical Surgery affects Patient Outcomes: An Analysis of 1818 Patients
2014	November	11/12/14 NASS. How Does State Income and the Number of Uninsured Patients Relate to Hospital Charges for Spine Care?
2013	December	12/7/13 CSRS Primary, Secondary, and Translational Motions of the Craniocervical Junction: A Biomechanical Investigation
2013	December	12/7/13 CSRS Patients with Preexisting Hypertension have Less Early Neurologic Recovery after Traumatic Spinal Cord Injury (SCI)
2013	December	12/8/13 CSRS Stabilization of the Craniocervical Junction Junction after an Internal Dislocation Injury: An In-Vitro Study
2013	February	C2 Vertical Axis is Associated with Outcome of Cervical Laminectomy and Fusion. 2013 AAOS Annual Meeting
2013	September	Ligamentous Stabilizers at Craniocervical Junction. Scoliosis Research Society 9/6/2013.
2012	October	Does C1 Fracture Displacement Correlate to Transverse Ligament Integrity? North American Spine Society 2012.
2012	December	Does Neurological Status Correlate with Postoperative Surgical Site Infection following Posterior Cervical Surgery? Cervical Spine Research Society 2012.
2012	July	Pelvic Incidence in Patients with Hip Osteoarthritis. International Meeting on Advanced Spinal Technologies 2012
2011	August	Leonard Goldstein Award Winner. The incidence of lumbar adjacent segment disease: A comparison of single level fusion procedures. Scoliosis Research Society August 2011.

2011	October	Best Posters Section. Neurologic Injury Due to Secondary Trauma After Type II Odontoid Nonunion. North American Spine Society 2011
2011	November	Does Spinal Alignment Influence Acetabular Orientation? A Study of Spinopelvic Parameters and Sagittal Acetabular Version. North American Spine Society November 2011
2010	December	Radiographic Predictors of Postoperative C5 palsy After Cervical Laminectomy and Fusion. Cervical Spine Research Society (Charlotte) 12/2010.
2010	February	Predictors of Reoperation of Intervertebral Disc Herniation, Spinal Stenosis, and Degenerative Spondylolisthesis: A subgroup analysis of the Spine Patient Outcomes Research Trial (SPORT). American Academy of Orthopaedic Surgeons Meeting 2/2011.

Editorials, Reviews, Chapters, including participation in committee reports:

Alternative Media:
None

Other Peer-Reviewed Scholarships Not Listed Above: None

Community Service:
Interviewer for Harvard College
Interviewer for Duke University

Support:
1. Principal Investigator, Orthofix Cervi-Stim Trial
2. Principal Investigator, Orthofix Spinal Stim Trial
3. Principal Investigator, Orthofix Retrospective Analysis
4. Principal Investigator, Simplify Medical Investigational Device Exemption Study of Disc Replacement versus Fusion
5. Principal Investigator, Biocomposites Limited Study of Calcium Sulfate Absorbale Beads in Spine Fusion
6. Principal Investigator, 4Web Medical Study of Outcome of Truss Implants in 3 and 4 Level Cervical Fusion
7. Investigator, Relievant Medisystems Study of Basivertebral Nerve Ablation

Patents:
None