

Kern Singh, M.D.

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PROFESSIONAL APPOINTMENTS

Rush University Medical Center – Chicago, IL (2005 – Present)

- Professor, Department of Orthopaedic Surgery
- Co-Director, Minimally Invasive Spine Institute at Rush (2013-Present)
- Board Certified, American Board of Orthopedic Surgery (2005-2015)
 - Board Re-Certified, American Board of Orthopedic Surgery (2015-2025)
- American Association of Disability Examining Physicians (2013-Present)

EDUCATION

Emory University – Atlanta, GA (2004-2005)

- Fellowship – Spinal Surgery

Rush University Medical Center – Chicago, IL (1999-2004)

- Residency - Orthopaedic Surgery

M.D. Jefferson Medical College – Philadelphia, PA (1995-1999)

- Alpha Omega Alpha - Jr. Year - 1998
- *Summa Cum Laude*

B.S. Pennsylvania State University – University Park, PA (1993-1997)

- Eberly College of Science Scholar
- Golden Key National Honor Society
- Alpha Epsilon Delta – National Pre-Medical Honor Society

HONORS/AWARDS

Rush University Medical Center

- 2016 – NASS Best Paper - Missing Data May Invalidate Spine Surgery Database Studies. Basques BA, Lukasiewicz AM, Samuel AM, Webb ML, Bohl DD, Ahn J, Singh K, Grauer JN. North American Spine Society 31st Annual Meeting, Boston, MA: October 26-29, 2016 (Podium presentation).
- 2016-Present – Rush Associates Board
- 2016 – AAOS Achievement Award, Orlando, FL
- 2015 – Cervical Spine Research Society Travelling Fellowship (April-May 2015)
- 2015 – Becker’s Top 20 Spine Surgeon’s Leadership Award
- 2014 – Orthopaedics Today - Technology of the Year – Vital 5 Drain (Co-Founder)
- 2013-14 – Teacher of the Year, Rush Spine Surgery Fellowship
- 2009-10 – Teacher of the Year, Rush Spine Surgery Fellowship
- 2014 - Best Paper - The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghday I, Aboushaala K, Naqvi A, Manning B, Jorgensen A, Singh K. SMISS, Miami.
- 2014 - Best Paper - The Utility of Obtaining Routine Hematologic Laboratory Values Following an Anterior Cervical Discectomy and Fusion. Elboghday I, Aboushaala K, Naqvi A, Manning B, Jorgensen A, Singh K. CSRS, Orlando.
- 2014 - Best Clinical Paper, A Peri-Operative Cost Analysis Comparing Single-Level Minimally Invasive and Open Transforaminal Lumbar Interbody Fusion. Nandyala S, Marques A, Fineberg S, Singh K, Society Minimally Invasive Spine Surgery, Las Vegas.

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- 2014 - Poster Tour Award - Effect of Diabetes Mellitus in Surgical Outcomes Following Anterior Cervical Spine Fusion. Nandyala S, Marques A, Singh K. AAOS, New Orleans.
- 2013 - 2nd Place - The Incidence and Mortality Associated with Re-intubations following Anterior Cervical Fusion. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, Singh K. Cervical Spine Research Society, Los Angeles.
- 2013 - Best Clinical Paper, Comparison between Revision Surgeries for Cervical TDR and 1-2 Level ACDF from 2002-2009. Fineberg S, Oglesby M, Patel A, Singh K, NASS, New Orleans.
- 2013 - Best Clinical Paper - Nominated. Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenetic Protein. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, Singh K. Cervical Spine Research Society, Los Angeles.
- 2012-Present: - Patients' Choice Award
- 2012-Present - Most Compassionate Doctor
- 2011 Becker's Orthopedic and Spine Top 100 Spine Surgeons in America
- 2008 - Best Clinical Paper - Factors Affecting Re-operations after ACDF within and outside of an FDA IDE Cervical TDR Trial. Singh K, Phillips FM, An HS, Goldberg EJ. NASS, Toronto.
- 2007 - Alternate, North American Traveling Fellowship
- 2007 - Top E-Poster. A prospective, randomized, double blind study of the efficacy of post-operative continuous local anesthetic infusion at the iliac crest bone graft site after posterior spinal arthrodesis: A minimum of four-year follow-up. IMAST, Atlantis, Bahamas.
- 2005 - First Place Resident Award - *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage by Expanded Osteoarthritic Chondrocytes using the ARC Method. Singh K, Ponnappan RK, Masuda K, An HS. U of Penn Ortho J.
- 2004 - The Spine Journal Outstanding Paper Award [Clinical Science, Runner-Up] – Congenital Lumbar Spinal Stenosis: A Controlled, Matched Cohort Radiographic Analyses. Singh K, Samartzis D, Vaccaro AR, Nassr A, Andersson GB, Yoon ST, Phillips FM, Goldberg E, An HS. SPINE J, Vol 5(6): 615-22, 2005.
- 2004 - *Finalist* – Basic Science Category, Smith and Nephew National Resident Research Competition, Memphis, TN. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry. Singh K, Masuda K, Ponnappan RK, Cz-Sabo G.
- 2004 - 2nd Place – Basic Science Category, Midwest Orthopedic Research Educational Foundation, Chicago, IL. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry.
- 2004 - 2nd Place – Basic Science Category. Rush Surgical Society, , Chicago, IL. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry.
- 2003 - *Best Paper* – Senior Thesis Day, Department of Orthopaedic Surgery - RUMC, Chicago, IL. A Biomechanical Comparison of Spinal Instrumentation Following Multi-level Corpectomy of the Cervical Spine.
- 2003 - 1st Place -13th Annual Rush Surgical Society, Chicago, IL. A Biomechanical Comparison of Spinal Instrumentation Following Multi-level Corpectomy of the Cervical Spine.
- 2003 - Educational Grant – 3rd Annual Cervical Spine Study Group, Colorado Springs, CO.

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- 2002 - Educational Grant – Aventis Orthopedic Resident Scholarship, AAOS National Meeting, Dallas, TX.
- 2002-04 – Pillsbury Resident Academic Scholarship

Jefferson Medical College

- 1998 – Alpha Omega Alpha – Junior Year
- 1997 – APC (American Pathology Chairs) National Honor Society
 - Selected for the 4th Annual National Pathology Symposium, Chicago, IL.
- 1997 – Hobart Amory Hare Internal Medicine Honor Society
 - 1998 - CPC (Clinical Pathologic Case) – Medicine Grand Rounds
- 1996 – Lavine Student Research Scholarship

Pennsylvania State University

- 1994 – Semi-Finalist, Presidential Scholars Program
- 1993 – Golden Key National Honor Society
- 1993 – Alpha Epsilon Delta – National Pre-Medical Honor Society
- 1993-95 – Eberly College of Science Scholar
- 1993-95 – Dean’s List
- 1992 – Colorado Chapter, Penn State Alumni Scholarship
- 1992 – National Honor Society

ISSUED PATENTS

- Catheter – US Patent number D679804 Application number 29/406,437: 2013.
- Barrier Catheter - US Patent App. 13/240,708, 2011
- Catheter Assembly - US Patent App. 13/240,781, 2011
- Constrained Fluid Device - US Patent App. 12/667,870, 2008

RESEARCH GRANTS

- Phillips FM, [Singh K](#). Repeat use of rhBMP-2 at an adjacent lumbar level: An assessment of efficacy and immunologic response. Medtronic Sofamor Danek, September 2005.
- Bohl DD, Mayo BC, Ahn J, [Singh K](#). Improvement in Grip and Pinch Strength following Anterior Cervical Discectomy and Fusion Procedures. Grant from the Cervical Spine Research Society. 2015 Oct.

TEXTBOOK EDITOR

- Synopsis of Spine Surgery 2nd Edition. An HS, [Singh K](#), Thieme, 2007.
- Curbside Consultations of the Spine: 49 Clinical Questions. [Singh K](#), Slack, 2008.
 - 2014 E-Book Online Text
- Pocket Atlas of Spine Surgery. [Singh K](#), Vaccaro AR. Thieme, 2012
- Minimally Invasive Spine Surgery: An Algorithmic Approach. [Singh K](#). Jaypee Brothers Publishing, 2013
 - 2014 E-Book Online Text
- Minimally Invasive Spine Surgery: Techniques, Evidence and Controversies. [Singh K](#), Vaccaro AR. Jaypee Brothers Publishing, 2015.
- Decision Making in Degenerative Spinal Surgery: A Case Based Approach. [Singh K](#), Qureshi S, Nova Publishers 2015.
- Synopsis of Spine Surgery 3rd Edition. An HS, [Singh K](#), Thieme, 2016.
- Minimally Invasive Spinal Surgery Instrumentation. [Singh K](#), Fessler R. Thieme 2017.

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- Orthopedic Knowledge Update 12, Section Editor Spine, March 2017.

GUEST EDITOR JOURNALS

- Mesenchymal Stem Cells In Spinal Surgery. Seminars in Spine Surgery. Hassanzadeh H, Singh K, 27(2): 71-118, 2015.
- Operative Techniques in Sports Medicine: The Athlete's Spine. Singh K, Vol 21(3): 145-190, 2013
- Current Reviews In Musculoskeletal Medicine: Special Focus on Bone Morphogenic Protein. Singh K, Vol 7(3): 182-219, 2014.

JOURNAL EDITORIAL POSITIONS

- Editor-in-Chief, Journal of Contemporary Spine Surgery (2012-Present)
 - Associate Editor, Journal of Contemporary Spine Surgery (2008-2011)
- Editor-in-Chief, Vertebral Columns – Official Publication of ISASS (2015-Present)
- Editorial Board, Spine Surgery Today (2013-Present)
- Senior Editorial Board, Journal of Minimally Invasive Orthopedics (2014-Present)
- Editorial Review Board, American Journal of Orthopedics (2006-Present)
- Editorial Board, Journal of Spinal Disorders and Techniques (2015-Present)
- Editorial Board, World Journal of Orthopedics (2014-Present)
- Editorial Board, Annals of Translational Medicine (2015-Present)
- Editorial Board, ISRN Orthopedics (2011-2014)
- Editoria Board, EC Orthopaedics (2017-Present)

JOURNAL POSITIONS

- Reviewer, Journal of the American Academy of Orthopedic Surgeons (2008-Present)
- Reviewer, Clinical Orthopedics and Related Research (2006-Present)
- Reviewer, Spine (2012-Present)
- Reviewer, The Spine Journal (2014-Present)
- Reviewer, Journal of Orthopaedic Surgery (2010-Present)
- Reviewer, Journal of Neurosurgical Anesthesiology (2010-Present)
- Reviewer, Current Orthopaedic Practice (2012-Present)
- Reviewer, Journal of Bone and Joint Surgery (2011-Present)
- Reviewer, BiomedCentral Musculoskeletal Disorders (2012-Present)
- Reviewer, British Medical Journal (2010-Present)
- Reviewer, Global Spine Journal (2014-Present)
- Reviewer, International Journal of Spine Surgery (2014-Present)
- Reviewer, Neurosurgery (2015-Present)
- Reviewer, Journal of Neurosurgery (2015-Present)
- Reviewer, BMJ Case Reports (2015-Present)
- Reviewer, World Journal of Orthopedics (2015-Present)
- Reviewer, Journal of Clinical Orthopedics and Trauma (2016-Present)
- Reviewer, Orthopedics (2016-Present)

PUBLISHED ARTICLES

1. Complications of Closed Skeletal Reduction. Singh K, Vaccaro AR, Shakil MS, Cotler JM. Seminars in Spine Surgery, 10(3): 237-241, 1998.

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2. Early Failure of Long Segment Anterior Cervical Plate Fixation. Vaccaro AR, Falatyn S, Scuderi GJ, Eismont FJ, McGuire RA, Singh K, Garfin S. Journal of Spinal Disorders, 11(5): 410-15, 1998.
3. Computer-Assisted Image Guided Surgery: Application in Cervical Spine Surgery. Singh K, Vaccaro AR. Current Opinion in Orthopedics 12(3): 245-250, 2001.
4. Long Structural Allografts in the Treatment of Anterior Spinal Column Defects. Singh K, DeWald CJ, Hammerberg KW, DeWald RL. Clinical Orthopedics Related Research (394): 121-129, 2002.
5. Comparing Outcomes of Anterior Cervical Discectomy and Fusion in Workman's Versus Non-Workman's Compensation Population. Goldberg E, Singh K, Van U, Garretson R, An HS. Spine J Vol 2(6): 408-14, 2002.
6. Computer Assisted Image-Guided Surgery Cervical Spine Surgery. Singh K, Vaccaro, A.R. Techniques in Orthopaedics 17(3): 374-381, 2002.
7. A Biomechanical Comparison of Cervical Spine Reconstructive Techniques Following a Multi-Level Corpectomy of the Cervical Spine. Singh K, Vaccaro AR, Kim J, Lorenz P, Lim TH, An HS. Spine 28(20): 2352-58, 2003.
8. Anterior Cervicothoracic Junction Approach. Singh K, Albert TJ, Sasso R (Ed) In Techniques in Orthopaedics, 17(3): 365-373, 2003.
9. Biomechanical Evaluation of Modern Posterior Constructs for an Unstable Burst Fracture Calf Spine Model: Special References to Hook Configurations and Pedicle Screws. An HS, Singh K, Vaccaro AR, Yoshida H, Eck J, McGrady L. Spine 29(3): 257-62, 2004.
10. The Surgical Management of Thoracolumbar Injuries. Singh K, Vaccaro AR, Eichenbaum MD, Fitzhenry LN. J Spinal Cord Medicine 27(2) 95-101, 2004.
11. Enhancement of Stability Following Anterior Cervical Corpectomy: A Biomechanical Study. Singh K, Vaccaro AR, Kim J, Lorenz P, Lim TH, An HS. Spine 29(8): 845-9, 2004.
12. Intradiscal Administration of Osteogenic Protein-1 Increases Intervertebral Disc Height and Proteoglycan Content in the Nucleus Pulposus in Normal Adolescent Rabbits. An HS, Takegami K, Kamada H, Nguyen C, Thonar EJ, Singh K, Andersson GB, Masuda K. Spine 30(1): 25-32, 2004.
13. Anterior Cervical Fusion: Surgical Techniques. Singh K, An HS. Seminars in Spine Surgery Vol 16(4): 245-254, Elsevier, 2004.
14. Assessing the potential impact of total disc arthroplasty on surgeon practice patterns in North America. Singh K, Vaccaro AR, Albert TJ. SPINE J 4(6) S195-201, 2004.
15. Animal Models for Human Disk Degeneration. Singh K, Masuda K, An HS. Spine J 5(6): S267-279, 2005.
16. Congenital Lumbar Spinal Stenosis: A Controlled, Matched Cohort Radiographic Analyses. Singh K, Samartzis D, Vaccaro AR, Nassr A, Andersson GB, Yoon ST, Phillips FM, Goldberg E, An HS. Spine J 5(6): 615-22, 2005.

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17. Osteogenic Protein-1 is Most Effective in Stimulating Nucleus Pulposus And Annulus Fibrosus Cells to Repair their Matrix After Chondroitinase ABC-Induced In Vitro Chemonucleolysis. Takegami K, An HS, Kumano F, Chiba K, Thonar EJ, Singh K, Masuda K. Spine J 5(3): 231-8, 2005.
18. A Prospective Analysis of Vertebral Body Bone Mineral Density Adjacent to a Posterior Lumbar Spinal Fusion: A 9-12 Year Follow-up. Singh K, An HS, Samartzis D, Nassr A, Hickey M, Andersson GB. Spine 30(15): 1750-5, 2005.
19. A Prospective, Randomized, Double-Blind Study Evaluating the Efficacy of Post-Operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis. Singh K, Strom J, Samartzis D, Manning D, Hupp M, Wetzel FT, Gupta P, Phillips FM. Spine 30(22): 2477-83, 2005.
20. Neurofibromatosis Type I with Severe Dystrophic Kyphoscoliosis and its Operative Management Via a Simultaneous Anterior-Posterior Approach: A Case Report and Review of the Literature. Singh K, Samartzis D, An HS. Spine J 5(4): 461-6, 2005.
21. Surgical Management of Metastatic Spinal Disease. Singh K, Heller JG. Contemporary Spine Surgery, Vol 6(1): 1-7, 2005.
22. Post-Operative Spinal Infections. Singh K, Heller JG. Contemporary Spine Surgery, Vol 6(9): 61-68, 2005.
23. Post-Operative Spinal Infections. Singh K, Heller JG. Eds. Dorman, T. Contemporary Critical Care 3(8): 1-10, 2006.
24. Current Concepts in the Management of Metastatic Spinal Disease: The Role of Minimally Invasive Approaches. Singh K, Samartzis D, Vaccaro AR, Andersson GBJ, An HS, Heller JG. JBJS [Br] 88(4): 434-442, 2006.
25. Open Vertebral Cement Augmentation Combined with Lumbar Decompression for the Operative Management of Thoracolumbar Stenosis Secondary to Osteoporotic Burst Fractures. Singh K, Heller JG, Samartzis D, Price SJ, An HS, Yoon ST, Rhee J, Phillips FM. J Spinal Disord Tech 18(5): 413-9, 2005.
26. The Biomechanics and Biology of the Spinal Degenerative Cascade. Singh K, Phillips FM. Sem Spine Surgery 17(3): 2005.
27. Management of Complex Soft-Tissue Defects after Spinal Instrumentation. Singh K, Samartzis D, Heller JG, An HS, Vaccaro AR. JBJS [Br] 88(1): 8-15, 2005.
28. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage by Expanded Osteoarthritic Chondrocytes using the ARC Method. Singh K, Ponnappan RK, Masuda K, An HS. U of Penn Ortho J, 2005.
29. Unusual Presentation of a Paraspinal Mass with Involvement of a Lumbar Facet Joint and the Epidural Space: A Case Report and Review of the Literature. Singh K, Samartzis D, Pennington W, Wise J, An HS. Orthopedics 29(3):265-7, 2006.

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30. Intradiscal Therapy: A Review of Current Treatment Modalities. Singh K, Carl AL. Spine 30(17S): S20-6, 2005.
31. rhBMP-2 Enhancement of Posterolateral Spinal Fusion in a Rabbit Model in the Presence of Concurrently Administered Doxorubicin. Singh K, Smucker JD, Boden SD, Yoon ST. Spine J, 7(3): 326-31, 2007.
32. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: CT-scan analysis at one and two years. Singh K, Smucker JD, Boden SD, J Spin Dis Tech 19(6): 416-23, 2006.
33. Treatment of Lumbar Instability: Transforaminal Lumbar Instability. Singh K, Vaccaro AR. Sem in Spine Surgery 17(4): 259-266, 2005.
34. Motion Preservation Technologies: Alternatives to Spinal Fusion. Singh K, An HS. AJO 35(9): 411-417, 2006.
35. Increased Swelling Complications Associated with Off-Label Usage of rhBMP-2 in the Anterior Cervical Spine. Smucker, JD, Rhee J, Singh K, Boden SD, Yoon ST, Heller JG. Spine 31(24): 2813-19, 2006.
36. Lumbar Spinal Stenosis: Surgical Management and Operative Techniques. Singh K, Samartzis D, Biyani A, An HS. JAAOS, 16(3):171-6, 2008.
37. Kyphoplasty and Functional Outcomes in patients with Osteoporotic Fractures. Singh K, Andersson GB. Nat Clin Pract Rheum 2(10): 532-3, 2006.
38. A prospective, randomized, double blind study of the efficacy of post-operative continuous local anesthetic infusion at the iliac crest bone graft site after posterior spinal arthrodesis: A minimum of four-year follow-up. Singh K, Phillips FM, Kuo E, et al. Spine 32(25): 2790-6, 2007.
39. Comparison of Complications from Vertebroplasty and Kyphoplasty: A Meta-Analysis of 124 Studies. Lee M, Cahill P, Dumonski M, Stanley T, Park D, Singh K. Spine J 7(5): 19s, 2007.
40. Vertebroplasty Comparing Injectable Calcium Phosphate Cement Compared to Polymethylmethacrylate in a Unique Canine Vertebral Body Large Defect Model. Turner T, Urban R, Singh K, et al. Spine J 8(3): 482-7, 2008.
41. Evaluation of Back Pain Monograph. Park D, Singh K, An HS. BMJ Monograph, Epocrates Online, BMJ Publishing Group 2008.
42. Percutaneous Treatment of Vertebral Compression Fractures: A Meta-Analysis of Complications. Lee M, Cahill P, Singh K, et al. Spine 34(11): 1228-1232, 2009.
43. Cervical Kyphosis and Thoracic Lordoscoliosis in a Patient with Cerebral Palsy: A case report and review of the literature. Singh K, An HS. Orthopedics 31(3): 276, 2008.
44. Age-related changes of extracellular matrix proteins in the nucleus pulposus and anulus fibrosus of the human intervertebral disc. Singh K, Masuda KM, Thonar E, An HS, Cs-Szabo G. Spine 34(1): 10-16, 2009.

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45. Recombinant Human Bone Morphogenetic Protein-2 in the treatment of bone fractures. Ghodadra N, Singh K. *Biologics: Targets and Therapy* 2(3): 345-54, 2008.
46. Peri-Operative Complications in Lumbar Spine Surgery. Park D, Khurana N, Ellman M, Singh K. *J. Contemporary Spine Surgery*, 10(3): 1-6, 2009.
47. Cervical Spondylotic Myelopathy. Siemienow K, Patel A, Singh K. *Contemporary Spine Surgery*, Vol 9(12): 2008.
48. Primary Spinal Cord Tumors: Extradural, Extra-Medullary. Munns J, Park D, Deutsch H, Singh K. *Contemporary Spine Surgery*, Vol 10(5): 1-8, 2009.
49. Primary Spine Tumors: Intradural. Munns J, Park D, Deutsch H, Singh K. *Contemporary Spine Surgery*, Vol 10(6): 1-8, 2009
50. Percutaneous Treatment of Vertebral Compression Fractures: A Meta-Analysis. Lee MJ, Dumonski M, Cahill P, Stanley T, Park D, Singh K. *Spine* 34(11): 1228-32, 2009.
51. Rheumatoid Arthritis of the Cervical Spine. Munns J, Park D, Singh K. *Contemporary Spine Surgery* 10(12): 1-7, 2009.
52. The Role of Osteogenic Protein -1 in Spinal Fusion. Munns J, Park DK, Singh K. *Orthopedic Research and Reviews*, 1: 11-21, 2009.
53. Osseous Spinal Tumors: Malignant Neoplasms. Munns J, Park D, Singh K. *Cotemporary Spine Surgery* 10(11): 1-7. 2009.
54. Direct Lateral Approach to the Lumbar Spine: A Technical Article. *Contemporary Spine Surgery* 11(2): 1-7, 2010.
55. Spinal Metastatic Disease – Treatment Algorithms. Park D, Munns J, Hussainen O, Singh K. *Contemporary Spine Surgery*, Vol 11(1): 1-7, 2010.
56. The Relationship of Intra-Psoas Nerves during a Trans-Psoas Approach to the Lumbar Spine. Park D, Lee M, Lin E, Singh K, An HS, Phillips FM. *JSDT* 23(4): 223-8, 2010.
57. Complications of Spine Surgery: Neurodeficits of the Spinal Cord and Nerve Roots. Munns J, Park DK, Singh K, Stambough JL. *Orthopaedic Knowledge Online* 8(4):2010.
58. Lateral Lumbar Approach. Shukairy M, Siemenow K, Singh K. *Contemporary Spine Surgery*, Vol 11(2): 1-7, 2010.
59. Repeat use of rhBMP-2 for second level lumbar arthrodesis. Singh K, Stanley T, Dumonski M, Ponnappan R, Phillips FM. *Spine* 36(3): 192-6, 2010.
60. Lumbar Anular Repair for Degenerative Disc Disease. Singh K, Park D, Hoskins J. *Contemporary Spine Surgery*, Vol 11(11): 1-5, 2010.
61. Cauda Equina Syndrome: Principles of Diagnosis and Management. *Contemporary Spine Surgery*, Vol 12(7): 1-5, 2011.

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62. Basic Science Concepts Behind Minimally Disruptive Spine Surgery. *Contemporary Spine Surgery* 12(12): 1-6, 2011.
63. Diagnosis and Management of Myeloradiculopathy. Hoskins J, Smith S, Zaglama R, Shukairy M, Singh K. *Contemporary Spine Surgery*. Vol 12(1): 1-6, 2012.
64. Interspinous Process Devices for Motion Preservation and Fusion. Hoskins J, Zaglama R, Smith S, Singh K. *Contemporary Spine Surgery*. Vol 12(2): 1-5, 2012.
65. Diagnosis and Management of Sacral Fractures. Hoskins J, Lewis P, Singh K. *Contemporary Spine Surgery*. Vol 12 (9): 1-8, 2012.
66. Lumbar Extracavitary Corpectomy with a Single Stage Circumferential Arthrodesis: Surgical Technique and Clinical Series. Park D, Singh K. *AJO* 41(7): 316-320, 2012.
67. Factors Affecting Re-Operations After ACDF Within and Outside of an FDA IDE Cervical TDR Trial. Singh K, Phillips FM, Shah J, An HS, Goldberg EJ, Andersson GB. *Spine J* 12(5): 372-8, 2012.
68. Minimally Invasive Thoracolumbar Corpectomy And Reconstruction: Technique and Early Results In 25 Patients. Khan S, Cha T, Hoskins J, Pelton M, Singh K. *Orthopedics* 35(1): 74-79, 2012.
69. A Comparison of Peri-operative Costs and Outcomes in Patients With and Without Workers' Compensation Claims Treated with MIS or Open TLIF. Pelton M, Phillips FM, Singh K. *Spine* Vol 37 (22): 1914-1919, 2012.
70. Predictive Factors of Hospital Stay in Patients Undergoing Minimally Invasive Transforaminal Lumbar Interbody Fusion and Instrumentation. Siemenow K, Pelton M, Hoskins J, Singh K. *Spine* 37 (24): 2046-54, 2012.
71. Subaxial Cervical and Cervicothoracic Fixation Techniques - Indications, Techniques and Outcomes. Pelton M, Schwartz J, Singh K. *Orthopedic Clinics of North America* 43(1): 19-28, 2012.
72. Minimally Invasive Lateral Retropleural Approach for Thoracic Discectomy and Corpectomy. Fineberg S, Oglesby M, Singh K. *J Contemp Spine Surgery* 14(11): 1-8, 2013.
73. Bearing Surfaces in Spinal Arthroplasty. Fineberg S, Oglesby M, Pelton M, Singh K. *Contemporary Spine Surgery* 14(2): 1-8, 2013.
74. Graft Choices in Anterior Cervical Fusions. Fineberg S, Oglesby M, Pelton M, Singh K. *Contemporary Spine Surgery Journal* 13(12): 1-8, 2013.
75. Cauda Equina Syndrome: Diagnosis and Management. Oglesby M, Fineberg S, Patel A, Singh K. *Contemporary Spine Surgery* 14(4): 1-8, 2013.
76. Incidence and Mortality of Thromboembolic Events in Cervical Spine Surgery. Oglesby M, Fineberg S, Patel A, Pelton M, Singh K. *Spine* 38(9): E521-7, 2013.

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77. Incidence and Mortality of Thromboembolic Events in Lumbar Spine Surgery. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K, Spine, 38(13). 1154-1159, 2013.
78. Ocular Complications of Spine Surgery. Pelton M, Fineberg S, Oglesby M, Singh K. Contemporary Spine Surgery 14(6): 1-7, 2013.
79. Epidemiologic Trends in Cervical Spine Surgery for Degenerative Disease Between 2002-2009. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K, Spine 38(14): 1226-32, 2013.
80. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K, Spine 38(13): 1089-1096, 2013.
81. Hospital Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenetic Protein. Fineberg S, Ahmadinia K, Oglesby M, Patel A, Singh K. Spine 38(15): 1304-9, 2013.
82. The Incidence and Mortality of Peri-Operative Cardiac Events in Cervical Spine Surgery. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K. Spine 38(15):1268-74, 2013.
83. Patient Perceptions of Physician Reimbursement for Spine Surgery. Badlani N, Foran J, Phillips FM, Pelton M, Singh K, Garfin S, Allen RT. Spine 38(15): 1288-93, 2013.
84. The Incidence and Mortality of Peri-Operative Cardiac Events in Lumbar Spine Surgery. Fineberg S, Ahmadinia K, Patel A, Oglesby M, Singh K. Spine 38(16): 1422-9, 2013.
85. The Incidence and Risk Factors of Gastrointestinal Hemorrhage after Lumbar Fusion. Fineberg S, Kurd M, Patel A, Singh K. Spine 38(18): 1584-9, 2013.
86. The Incidence, Risk Factors, and Mortality Associated with Aspiration in Cervical Spine Surgery. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K. Spine 38 (19): E1189-95, 2013.
87. Incidence and Risk Factors for Post-Operative Delirium following Lumbar Spine Surgery. Fineberg S, Nandyala S, Marquez A, Oglesby M, Patel A, Singh K. Spine 38(20): 1790-6, 2013.
88. Incidence and Risk Factors for Dysphagia after Anterior Cervical Fusion. Singh K, Marquez A, Nandyala S, Patel A, Fineberg S. Spine 38(21):1820-25, 2013.
89. Comparison of Peri-Operative Outcomes and Cost of Spinal Fusion for Cervical Trauma: Weekday Versus Weekend Admissions. Nandyala S, Marquez A, Fineberg S, Schmitt D, Singh K. Spine 38(25): 2178-83, 2013.
90. Clinical Sequelae following rhBMP-2 Use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Singh K, Nandyala S, Marquez A, Cha T, Khan S, Fineberg S, Pelton M. Spine J 13(9): 1118-25, 2013.
91. Use of Bone Morphogenetic Protein in a Transforaminal Lumbar Interbody Fusion. Baluch D, Fogel H, Singh K, Patel A. Contemp Spine Surgery, 14(10): 1-7, 2013.
92. Incidence and Risk Factors for Post-Operative Ileus Following Anterior, Posterior, and Circumferential Lumbar Fusion. Fineberg S, Nandyala S, Kurd M, Marquez A, Noureldin M, Sankaranaryanan S, Patel A, Oglesby M, Singh K. Spine J 14(8): 1680-85, 2013.

Kern Singh, M.D.

1611 W Harrison St.

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www.outpatient-spine-surgeon.com

93. A Peri-Operative Cost Analysis Comparing Single-Level Minimally Invasive and Open Transforaminal Lumbar Interbody Fusion. Singh K, Nandyala S, Marques A, Fineberg S, Oglesby M, Pelton MA, Andersson GB, Isayeva D, Jegier BJ, Phillips FM. Spine J 14(8): 1694-1701, 2013.
94. Spinal Interventions – The Role in the Athlete. Jagadish A, Nandyala S, Marquez A, Singh K, Lee Y. Op Tech Sports Med 21(3):185-90, 2013.
95. Epidemiological Trends in Cervical Spine Surgery for Degenerative Diseases Between 2002-2009. Oglesby M, Fineberg S, Patel A, Pelton M, Singh K. Spine 38(14): 1226-1232, 2013.
96. Risk Factors for Urinary Complications after Cervical Spine Surgery. Fineberg S, Nandyala S, Marquez A, Singh K. Spine J 13(9): S103-104, 2013.
97. Minimally Invasive Transforaminal Lumbar Interbody Fusion: One Surgeon's Learning Curve. Nandyala S, Fineberg S, Pelton M, Singh K. Spine Journal 14(8) 1460-65, 2014.
98. Complications of Spinal Fusion with Utilization of Bone Morphogenetic Protein: A Systematic Review of the Literature. Singh K, Ahmadinia K, Park D, Nandyala S, Marquez A, Patel A, Fineberg S. Spine 39(1): 91-101, 2014.
99. Comparison between Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion of 1-2 Levels from 2002-2009. Nandyala S, Marquez A, Fineberg S, Singh K. Spine 39(1): 53-7, 2014.
100. In Response: The Incidence and Mortality of Peri-Operative Cardiac Events in Cervical Spine Surgery. Fineberg S, Oglesby M, Patel A, Pelton M, Singh K. Spine 39(1):112, 2014.
101. Incidence, Outcomes and Mortality of Re-intubations After Anterior Cervical Fusion. Marquez A, Nandyala S, Fineberg S, Singh K. Spine 39(2): 134-9, 2014.
102. Incidence and risk factors for perioperative visual loss after spinal fusion. Nandyala S, Marquez-Lara A, Fineberg S, Singh R, Singh K. Spine J 14(9): 1866-72, 2014.
103. Complications of Lumbar Spine Surgery between Teaching and Non-Teaching Hospitals. Nandyala S, Marquez A, Singh K. Spine 39(5): 417-423, 2014.
104. Current Trends in Demographics, Practice and In-Hospital Outcomes in Cervical Spine Surgery: A National Database Analysis Between 2002-2011. Marquez A, Nandyala S, Fineberg S, Singh K. Spine 39(6): 476-81, 2014.
105. Epidemiological Trends in the Utilization of Bone Morphogenetic Protein in Spinal Fusions from 2002-2011. Singh K, Nandyala S, Marquez A, Fineberg S. Spine 39(6): 491-6, 2014.
106. Peri-operative Characteristics and Outcomes of Patients Undergoing Anterior Cervical Fusion in July; Analysis of the "July Effect". Nandyala S, Marquez A, Fineberg S, Singh K. Spine 39(7): 612-617, 2014.
107. Cerebral Vascular Accidents following Lumbar Spine Fusion Surgery. Marquez A, Nandyala S, Fineberg S, Singh K. Spine 39(8): 673-677, 2014.

Kern Singh, M.D.

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Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

108. Epidemiological Trends in the Utilization, Demographics and Costs of Bone Morphogenetic Proteins in Spinal Fusions. Louie P, Hassanzadeh H, Singh K. Current Reviews of Musculoskeletal Medicine 7(3): 177-81, 2014.
109. Sentinel Events in Cervical Spine Surgery. Marquez A, Nandyala S, Noureldin M, Sankaranarayanan S, Singh K. Spine 39(9): 715-720, 2014.
110. Body Mass Index as a Predictor of Complications and Mortality Following Lumbar Spine Surgery. Marquez A, Nandyala S, Sankaranarayanan S, Noureldin M, Singh K. Spine 39(10): 798-804, 2014.
111. Incidence, Risk Factors, and Outcomes of Postoperative Airway Management after Cervical Spine Surgery. Nandyala S, Marquez A, Park DK, Hassanzadeh H, Sankaranarayanan S, Noureldin M, Singh K. Spine 39(9): 557-563, 2014.
112. Sentinel Events in Lumbar Spine Surgery. Marquez A, Nandyala S, Hassanzadeh H, Sundberg E, Jorgensen A, Singh K. Spine 39(11): 900-905, 2014.
113. Point-Counter-Point Debate: the Association Between Recombinant Human Bone Morphogenetic Protein utilization and Complications in Spine Surgery. Siemenow K, Sundberg E, Tyrakowski M, Nandyala S, Singh K. Curr Rev Musc Medicine 7(3): 200-207, 2014.
114. Complications after Lumbar Spine Surgery between teaching and non-Teaching Hospitals. Nandyala S, Marquez A, Fineberg S, Hassanzadeh H, Singh K. Spine 39(5): 417-23, 2014.
115. Comparison of Revision Surgeries for 1-2 Level Cervical TDR and ACDF from 2002-2011. Nandyala S, Marquez A, Fineberg S, Singh K. Spine J 14(12): 2841-2846, 2014.
116. Epidemiologic Trends in the Utilization, Demographics, and Cost of Bone Morphogenetic Protein in Spinal Fusions. Louis P, Hassanzadeh H, Singh K. Curr Rev Musc Med 7(3): 177-181, 2014.
117. The Utility of Obtaining Routine Hematologic Laboratory Values Following Anterior Cervical Discectomy and Fusion. Manning B, Sankaranarayanan S, Hassanzadeh H, Nandyala S, Marquez-Lara A, Elboghdady I, Noureldin M, Singh K. Spine 39(20): E1228-1232, 2014.
118. ISASS Policy Statement – Cervical Interbody. Singh K, Qureshi S. Int J Spine Surg: 8(13), 2014.
119. Advanced Minimally Invasive Techniques: Management of High-grade Spondylolisthesis and Thoracic Metastatic Spinal Disease. Naqvi A, Noureldin M, Elboghdady I, Aboushaala K, Hassanzadeh H, Sundberg E. Singh K. J Min Inv Ortho. 1(2): 2014
120. Minimally invasive transforaminal lumbar interbody fusion for lumbar spondylolisthesis. Elboghdady IM, Naqvi A, Jorgensen A, Marquez-Lara A, Singh K. Ann Transl Med 2(10): 99, 2014.
121. Cost Analysis of Incidental Durotomy in Spinal Surgery. Singh K, Elboghdady I, Marquez A, Noureldin M, Sankaranarayanan S, Nandyala S, Spine 39(17): E1042-1051, 2015.
122. Mesenchymal Stem Cells and Spinal Arthrodesis. Sundberg E, Elboghdady I, Aboushaala K, Singh K. Seminars in Spine Surgery 27(2): 86-89, 2015.

Kern Singh, M.D.

1611 W Harrison St.

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www.outpatient-spine-surgeon.com

123. Current Concepts in the Use of Stem Cells for the Treatment of Spinal Cord Injury. Jorgensen AY, Ahn J, Aboushaala K, Elboghdady I, Singh K. *Seminars in Spine Surgery* 27(2): 90-92, 2015.
124. Basic Science of Mesenchymal Stem Cells in Spine Surgery. Hassanzadeh H, Elboghdady I, Ahn J, Singh K. *Seminars in Spine Surgery* 27(2): 72-75, 2015.
125. Mesenchymal Stem Cells for Intervertebral Disc Repair and Regeneration. Skovrlj B, Qureshi SA, Singh K. *Seminars in Spine Surgery* 27(2): 76-81, 2015.
126. The Impact of Worker's Compensation Claims on Outcomes and Costs Following an Anterior Cervical Discectomy and Fusion. Tabaraee E, Ahn J, Bohl DD, Elboghdady IM, Aboushaala K, Singh K. *Spine*, 40(12): 948-953, 2015.
127. Post-Operative Narcotic Consumption in Workman's Compensation Patients Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Bohl DD, Elboghdady I, Aboushaala K, Hassanzadeh H, Singh K. *Spine* 40(16): 1284-88, 2015.
128. BMP-2 Induced Neuroforaminal Bone Growth in the Setting of a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Tabaraee E, Singh K. *Journal of Spinal Disorders and Techniques*, 28(5): 186-88, 2015.
129. Urinary Tract Infection Following Posterior Lumbar Fusion Procedures: An ACS-NSQIP Study. Bohl DD, Ahn J, Tabaraee E, Ahn J, Jain A, Grauer JN, Singh K. *Spine* 40(22): 1785-1791, 2015.
130. Primary Versus Revision Single-Level Minimally Invasive Lumbar Discectomy: Analysis of Clinical Outcomes and Narcotic Utilization. Ahn J, Tabaraee E, Bohl DD, Aboushaala K, Singh K. *Spine* 40(18): E1025-1030, 2015.
131. Quantification of Multifidus Atrophy and Fatty Infiltration Following a Minimally Invasive Microdiscectomy. Tabaraee E, Ahn J, Bohl DD, Phillips FM, Singh K. *Int J Spine Surg* 9(25), 2015.
132. Timing of complications following spinal fusion surgery. Bohl DD, Webb ML, Lukasiewicz AM, Samuel AM, Basques BA, Ahn J, Singh K, Vaccaro AR, Grauer JN. *Spine* (40): 1527-1535, 2015.
133. Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Tabaraee E, Singh K. *J Spinal Dis Tech*, 28(6): 222-225(4), 2015.
134. Impact of Economic Incentives on Patient Selection of Surgical Facility: Perspective on Consumer Choice Between Hospital-Based and Freestanding Facilities for Arthroscopy: Impact on Prices, Spending, and Surgical Complications. Singh K, Ahn J. *J Bone Joint Surg* 97(18): E63.
135. Economic Factors in the Future Delivery of Spinal Healthcare. Rossi VJ, Ahn J, Bohl DD, Tabaraee E, Singh K. *World Journal of Orthopedics*, 6(5):409-12, 2015.
136. Neuroforaminal Bone Growth Following Minimally Invasive Transforaminal Lumbar Interbody Fusion with BMP: A Computed Tomographic Analysis. Ahn J, Jorgensen AY, Bohl DD, Tabaraee E, Rossi VJ, Aboushaala K, Singh K. *JSDT* 28(5): 186-88, 2015.
137. Minimally Invasive Posterior Cervical Foraminotomy. Ahn J, Tabaraee E, Bohl D, Singh K. *JSDT* 28(8): 295-297, 2015.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

138. Anesthesia for outpatient spine surgery: a commentary. Massel DH, Modi KD, Long WW, [Singh K](#). *Global Anesthesia and Perioperative Medicine*. 1(5):136-7, 2015.
139. Pre-operative Narcotic Utilization: Accuracy of Patient Self-Reporting and its Association with Post-operative Narcotic Consumption. Ahn J, Bohl DD, Tabaraee E, Aboushaala K, Elboghdady IM, [Singh K](#). *J Neurosurgery: Spine*. March 2015.
140. Primary and revision posterior lumbar fusion have similar short-term complication rates. Basques BA, Diaz-Collado PJ, Geddes BJ, Samuel AM, Lukasiewicz AM, Webb ML, Bohl DD, Ahn J, [Singh K](#), Grauer JN. *Spine* 41(2): E101-106, 2016.
141. Minimally Invasive Lumbar Decompression: The Surgeon Learning Curve. Ahn J, Iqbal A, Manning B, Leblang S, Bohl D, Mayo B, Massel D, [Singh K](#), *Spine J*, 2015 (Accepted 7.23.15)
142. Comparison of Surgical Outcomes, Narcotics Utilization, and Costs following an Anterior Cervical Discectomy and Fusion: Stand Alone Cage versus Anterior Plating. Tabaraee E, Ahn J, Bohl DD, Aboushaala K, Collins MJ, [Singh K](#). *Journal of Spinal Disorders and Techniques*. Accepted September 2015.
143. Surgical treatment of lumbar disc herniation: MIS, endoscopic, and percutaneous techniques. Ahn J, Rossi, VJ, Sershon RA, Massel DH, Mayo BC, [Singh K](#). *Seminars in Spine Surgery*, 2015.
144. Mesenchymal Stem Cell Allograft In One And Two Level ACDF's: A Matched Cohort Analysis. Steven McAnany, Noureldin M, Elboghdady I, Marquez-Lara A, Ashraf N, Skovrlj B, Overley S, [Singh K](#), Qureshi S. *Spine J*, 2015
145. Does Greater Body Mass Index Increase the Risk for Revision Procedures Following a Single-Level Minimally Invasive Lumbar Discectomy? Bohl DD, Ahn J, Mayo BC, Massel DH, Tabaraee, E, Sershon RA, Basques BA, [Singh K](#). *Spine*. Accepted October 2015.
146. Incidence and Risk Factors for Pneumonia Following Anterior Cervical Decompression and Fusion Procedures: An ACS-NSQIP Study. Bohl DD, Ahn J, Rossi VJ, Tabaraee E, Grauer JN, [Singh K](#). *The Spine Journal*. Accepted November 10, 2015.
147. Multimodal versus Patient-controlled Analgesia Following an Anterior Cervical Decompression and Fusion. Bohl DD, Louie PK, Shah N, Mayo BC, Ahn J, Kim TD, Massel DH, Modi KD, Long WW, Buvaendran A, [Singh K](#). *Spine (Phila Pa 1976)*. Accepted 2015 Nov. In press
148. Administrative Databases in Orthopaedic Research: Pearls and Pitfalls of Big Data. Patel A, Nunley P, [Singh K](#). *JAAOS*, 2015.
149. Neuromonitoring in Minimally Invasive Spine Surgery. Nandyala SV, Hassanzadeh H, Khanna AJ, [Singh K](#). *Semin Spine Surgery* 27(4):214-16, 2015.
150. Surgical Management of Adult Spinal Deformity: Indications, Surgical Outcomes, and Health-related Quality of Life. Ahn J, Tabaraee E, Bohl DD, [Singh K](#). *Seminars in Spine Surgery*, 2016.
151. Spine Surgeon Selection Criteria: Factors Influencing Patient Choice. Manning BT, Ahn J, Bohl DD, Mayo BC, Louie PK, [Singh K](#). *Spine (Phila Pa 1976)*. Accepted 2015 Nov 18.

Kern Singh, M.D.

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www.outpatient-spine-surgeon.com

152. Incidence and Risk Factors for Pneumonia Following Posterior Lumbar Fusion Procedures: An ACS-NSQIP Study. Bohl DD, Mayo BC, Massel DH, Iantorno SE, Ahn J, Basques BA, Grauer JN, [Singh K](#). *Spine* (Phila Pa 1976). Accepted 2015 Nov 30.
153. Functional Capacity Evaluation Following Spinal Fusion Surgery. Bohl DD, Ahn J, Collins M, Mayo BC, Massel DH, Aboushaala K, Kamath R, Duhancioglu G, Elbeik M, Singh K. *Spine* (Phila Pa 1976). 2015 Dec.
154. Nationwide Databases in Orthopaedic Surgery Research. Bohl D, [Singh K](#), Grauer J. *JAAOS*, 2016.
155. Multimodal Analgesia in Spine Surgery: A Commentary. Massel DH, Mayo BC, Long WW, Modi KD, Singh K. *Journal of Pain and Relief* 4(6):218-21, 2015 Nov 19.
156. Bohl DD, Ahn J, Lukasiewicz AM, Samuel AM, Webb ML, Basques BA, Golinvaux NS, Singh K, **Grauer JN**. Severity weighting of postoperative adverse events in orthopaedic surgery. *American Journal of Orthopaedics* (Accepted 1/16).
157. Effects of Intraoperative Anesthetic Medications to Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Louie PK, Bohl DD, Massel DH, Iantorno SE, Ahn J, Tabaraee E, Modi KD, Long WW, Singh K. Accepted to *Spine* (Phila Pa 1976). 2016 Jan.
158. Anterior Cervical Discectomy and Fusion - The Surgical Learning Curve. Mayo BC, Massel DH, Bohl DD, Long WW, Modi KD, Singh K. Accepted to *Spine* (Phila Pa 1976). 2016 Mar 23.
159. Malnutrition Predicts Infectious and Wound Complications Following Posterior Lumbar Spinal Fusion. Bohl DD, Shen MR, Mayo BC, Massel DH, Long WW, Modi KD, Basques BA, Singh K. Accepted to *Spine* (Phila Pa 1976). 2016 Mar 24.
160. Effect of Surgery Start Time on Day of Discharge in Anterior Cervical Discectomy and Fusion Patients. Mayo BC, Massel DH, Bohl DD, Long WW, Modi KD, Singh K. Accepted to *Spine* (Phila Pa 1976). 2016 April 5.
161. Differences in short-term outcomes between primary and revision anterior cervical discectomy and fusion. Basques BA, Ondeck NT, Geiger EJ, Samuel AM, Lukasiewicz AM, Webb ML, Bohl DD, Massel DH, Mayo BC, [Singh K](#), Grauer JN. *Spine* (Accepted 5/16).
162. Bone Morphogenetic Proteins in Lumbar Arthrodesis: What is All the Debate About?: Perspective on an article by Daniel C. Beachler, MD: "Bone morphogenetic protein use and cancer risk among patients undergoing lumbar fusion surgery: a case-cohort study using the SEER-Medicare database. Singh K, Massel DH, Mayo BC, Bohl DD, Long WW, Modi KD. Accepted to *Journal of Bone and Joint Surgery*. 2016 Mar 7.
163. Tubular Transforaminal Lumbar Interbody Fusion is Superior to a Midline Incision with Cortical Screws for a Minimally Invasive Interbody Fusion. Mayo BA, Singh K. Accepted to *Clinical Spine Surgery*. 2016 May 31.
164. Current Trends in Outpatient Spine Surgery. Ahn J, Bohl DD, Tabaraee E, Basques BA, Singh K. Accepted to *Clinical Spine Surgery*. 2016 May 31.

Kern Singh, M.D.

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www.outpatient-spine-surgeon.com

165. The Effect of Surgeon Volume on Complications, Length of Stay, and Costs following Anterior Cervical Fusion. Basques BA, Louie PK, Shifflett GD, Fice MP, Mayo BC, Massel DH, Guzman JZ, Bohl DD, Singh K. *Spine* (Phila Pa 1976). 2017 Mar 15.
166. Prospective, randomized, controlled trial of silicate substituted calcium phosphate versus rhBMP-2 in a minimally invasive transforaminal lumbar interbody fusion Retraction. *Spine* 41(6); p553 In Response to the Letter to the Editor. Singh K, Nandyala SV, Marquez-Lara A, Fineberg SJ, Pelton M. Accepted to *Spine* (Phila Pa 1976). 2016 Jun 6.
167. Tubular Transforaminal Lumbar Interbody Fusion is Superior to a Midline Incision with Cortical Screws for a Minimally Invasive Interbody Fusion. Mayo BA, Singh K. Accepted to *Clinical Spine Surgery*. 2016 May 31.
168. Current Trends in Outpatient Spine Surgery. Ahn J, Bohl DD, Tabaraee E, Basques BA, Singh K. Accepted to *Clinical Spine Surgery*. 2016 May 31.
169. Severity Weighting of Postoperative Adverse Events in Orthopaedic Surgery. **Bohl DD**, Ahn J, Lukaszewicz AM, Samuel AM, Webb ML, Basques BA, Golinvaux NS, Singh K, Grauer JN. *Am J Orthop*. Accepted 2016 Jan. In press.
170. Preoperative Mental Health May Not Be Predictive of Improvements in Patient Reported Outcomes Following an Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Long WW, Modi KD, Basques BA, Yacob A, Singh K. Accepted to *Journal of Neurosurgery: Spine*. 2016 July 15.
171. Basques BA, McLynn RP, Fice MP, Samuel AM, Lukaszewicz AM, Bohl DD, Ahn J, Singh K, Grauer JN. (2016) Results of database studies in spine surgery can be significantly affected by missing data. Submitted to *Clinical Orthopaedics and Related Research*.
172. The Utility of Routinely Obtaining Postoperative Laboratory Studies Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Massel DH, Mayo BC, Hijji FY, Narain AS, Aboushaala K, Bohl DD, Elboghady IM, DiBattista JV, Singh K. *Clin Spine Surg*. 2016 Aug 27.
173. Patient Knowledge Regarding Radiation Exposure from Spinal Imaging. Bohl DD, Hijji FY, Massel DH, Mayo BC, Long WW, Modi KM, Narain AS, Manning BT, Ahn J, Louie PK, Singh K. Accepted to *The Spine Journal*. 2016 September 12.
174. A Novel Groove-Entry Technique for Inserting Thoracic Percutaneous Pedicle Screws. Ishii K, Shiono Y, Funao H, Singh K, Matsumoto M. *Clin Spine Surg*. 2016 Sep 28.
175. Preoperative Mental Health Is Not Predictive of Patient Reported Outcomes following a Minimally Invasive Lumbar Discectomy. Mayo BC, Massel DH, Bohl DD, Long WW, Modi KD, Narain AS, Hijji FY, Lopez G, Singh K. *Clin Spine Surg*. 2016 Oct 6.
176. Should Central Cord Syndrome With Continued Spinal Cord Compression Without a Fracture Undergo Urgent (<24 h) Surgical Decompression. Loibl M, Kleinstuck F, Mayo C, Singh K. *Clin Spine Surg*. 2016 Oct 21.
177. Tubular Transforaminal Lumbar Interbody Fusion Is Superior To A Midline Incision With Cortical Screws For A Minimally Invasive Interbody Fusion. Mayo B, Singh K. *Clin Spine Surg*. 2016 Oct 21.

Kern Singh, M.D.

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www.outpatient-spine-surgeon.com

178. Improvements in Neck and Arm Pain Following an Anterior Cervical Discectomy and Fusion. Massel DH, Mayo BC, Bohl DD, Narain AS, Hijji FY, Fineberg SJ, Louie PK, Basques BA, Long WW, Modi KD, Singh K. Spine (Phila Pa 1976). 2016 Oct 19.
179. Multimodal Analgesia versus Intravenous Patient-controlled Analgesia For Minimally Invasive Transforaminal Lumbar Interbody Fusion Procedures. Singh K, Bohl DD, Ahn J, Massel DH, Mayo BC, Narain AS, Hijji FY, Louie PK, Long WW, Modi KD, Kim TD, Kudaravalli KT, Phillips FM, Buvanendran A. Spine (Phila Pa 1976). 2016 Nov 4.
180. Tubular Transforaminal Lumbar Interbody Fusion is Superior to a Midline Incision with Cortical Screws for a Minimally Invasive Interbody Fusion. Mayo BC, Singh K. Clin Spine Surg. 2017 Jan 4.
181. Two-Level Cervical Disc Replacement: Perspectives and Patient Selection. Narain AS, Fady HY, Bohl DD, Yom KH, Kudaravalli KT, Singh K. Journal of Open Access Surgery. 2017 Jan 6.
182. Ondeck NT, Bohl DD, McLynn RP, Cui JJ, Singh K, Grauer JN. Longer Operative Time is Associated with Increased Adverse Events following Anterior Cervical Discectomy and Fusion: 15-minute Intervals Matter. Submitted to Spine 1/17.
183. Narcotic Consumption Following Anterior and Lateral Lumbar Interbody Fusion Procedures. Bohl DD, Narain AS, Hijji FY, Ahn J, Mayo BC, Massel DH, Long WW, Modi KD, Singh K. Clin Spine Surg. 2017 Jan 17.

PUBLISHED CHAPTERS

1. The Role of Anterior Column Reconstruction in Revision Surgery for Cervical Degenerative Spinal Disorders - Vaccaro AR, Singh K. Devlin, V (Ed) IN SPINE: STATE OF THE ART REVIEWS - Vol. 12 (3): 1998, Hanley & Belfus.
2. Cervical Spine Instrumentation in Trauma - Vaccaro AR, Singh K. An HS, Cotler J (Eds) In SPINAL INSTRUMENTATION, Williams and Wilkins, 1998.
3. Spinal Meningeal or Perineural Cysts - Vaccaro AR, Singh K, Donohue JC. Vaccaro AR, Albert TJ (Eds) In MASTERCASES IN SPINE SURGERY, Thieme, 2001.
4. The Value of Surgical Intervention in Spinal Trauma. Singh K, Erdos J, Sah A, Vaccaro AR. Benezel E (Ed) SPINAL SURGERY: TECHNIQUES, COMPLICATION AVOIDANCE AND MANAGEMENT, 2nd Ed, Harcourt Press, 2002.
5. Minimally Invasive Spine Surgery – FluroNav. Singh K, Vaccaro AR. Browner B (Ed) In TECHNIQUES IN ORTHOPEDICS, LWW, 2002.
6. Posterior Wiring Techniques of the Spine. Vaccaro AR, Singh K. Merola, Hayer (Eds) Thieme Pub. London, England, 2003.
7. Anterior Cervico-Thoracic Junction Approach. Albert TJ, Singh K, Berta SC, Albert TJ. Bradford D, Zdeblick T (Eds) In MASTER TECHNIQUES IN SPINE SURGERY Vol. II, LWW, 2003.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

8. Minimally Invasive Approaches to the Lumbar Spine. Singh K, Thalgott J, Giuffre R, Regan, J, Vaccaro AR, Betz R, Zeidman S (Eds) In PRINCIPLES AND PRACTICE OF SPINE SURGERY, p 275-282, Mosby, 2003.
9. Surgical Approaches to the Cervical Spine. Singh K, Vaccaro AR. Devlin V (Ed) In SPINE SECRETS, Harcourt Press, 2003.
10. Cervical Spinal Implants. Singh K, Vaccaro AR. Devlin V (Ed) In SPINE SECRETS, Harcourt Press, 2003.
11. Craniocervical injuries: Jefferson fracture, Hangman's fracture, Odontoid fracture. Singh K, Vaccaro AR. In Johnson TR, Steinbach LS (Eds): ESSENTIALS OF MUSCULOSKELETAL IMAGING, AAOS, 2003.
12. Thoracic and Lumbar Trauma. Singh K, Vaccaro AR. Bono CM, Garfin SR (Eds) ESSENTIALS IN ORTHOPAEDICS: SPINE, Lippincott Williams & Wilkins, 2004.
13. Evaluation and Management of Thoracolumbar Fractures: Anterior Approach. Singh K, Eichenbaum MD, Fitzhenry LN, Vaccaro AR. Ed: Reitman, Charles. AAOS MONOGRAPH SERIES, 2004.
14. Approaches to the Spine. Singh K, Vaccaro AR, An HS. Bono CM, Garfin SR (Eds) – In SPINE: ORTHOPEDIC SURGERY ESSENTIALS, LWW, 2004.
15. The Value of Surgical Intervention in Spinal Trauma. Singh K, Erdos J, Sah A, Vaccaro AR, Mclain RF. TEXTBOOK OF NEUROSURGERY, Lippincott-Raven, 2004.
16. Frameless Stereotactic Techniques in Minimally Invasive Spine Surgery. Singh K, Vaccaro AR. In Kambin P (2nd Ed): ARTHROSCOPIC AND ENDOSCOPIC SPINAL SURGERY: TEXT AND ATLAS, Humana Press, 2005.
17. Thoracic and Lumbar Spine Trauma. SINGH K, Saxena A, Vaccaro AR. Vaccaro (Ed): IN CORE KNOWLEDGE IN ORTHOPAEDICS: SPINE, Elsevier 2005.
18. Surgical Approaches to the Spine. SINGH K, Vaccaro AR. Vaccaro (Ed): IN CORE KNOWLEDGE IN ORTHOPAEDICS: SPINE, Elsevier 2005.
19. Vertebral Artery Injuries in the Setting of Cervical Spine Trauma. Vaccaro AR, Singh K. Rothman RH, Simeone FA (Eds) In THE SPINE, 5th Ed, WB Saunders, 2005.
20. Thoracolumbar Spinal Injuries. Singh K, Vaccaro AR. Rothman RH, Simeone FA (Eds) In THE SPINE, 5th Ed, WB Saunders, 2005.
21. Post-Operative Spinal Infections. Singh K, Heller JG. Rothman RH, Simeone FA (Eds) In THE SPINE, 5th Ed, WB Saunders, 2005.
22. Altius Occipital-Cervico Thoracic Posterior Fixation. Singh K, Brown D, Fisicaro M, Day T, Vaccaro AR. In Kim DH, Vaccaro AR, Fessler R (Eds) SPINAL INSTRUMENTATION: SURGICAL TECHNIQUES, Thieme, 2005.

Kern Singh, M.D.

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Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

23. Reflex Anterior Cervical Plate. Singh K, Ponnappan RK, Brown D, Fiscaro M, Saxena A, Vaccaro AR. In Kim DH, Vaccaro AR, Fessler R (Eds). SPINAL INSTRUMENTATION: SURGICAL TECHNIQUES, Thieme, 2005.
24. Bioresorbable Cervical Plates for Anterior Cervical Fusion. Singh K, Brown D, Fiscaro M, Vaccaro AR. In Kim DH, Vaccaro AR, Fessler R. SPINAL INSTRUMENTATION: SURGICAL TECHNIQUES, Thieme, 2005.
25. The Management of Complications Associated with the Treatment of Post-Traumatic Deformities. Singh K, Vaccaro AR, Di Martino A, Pahl M. In An HS, Jenis L (Eds): SPINE SURGERY COMPLICATIONS, Mosby, 2005.
26. Thoracic and Lumbar Spinal Trauma. Singh K, Saxena A, Vaccaro. In Vaccaro (Ed): CORE KNOWLEDGE IN ORTHOPAEDICS, Elsevier 2005.
27. Surgical Approaches to the Spine. Singh K, An H. In Vaccaro (Ed): CORE KNOWLEDGE IN ORTHOPAEDICS, Elsevier 2005.
28. Dynamic Intervertebral Assisted Motion Device. Singh K, Phillips FM. In Kim DH, Cammissa FP, Fessler RG. Dynamic Reconstruction of the Spine, Thieme 2006.
29. Prevention and Treatment of Post-Traumatic Deformity of the Thoracolumbar Spine. Nassr A, Singh K, Wimberly D, Vaccaro AR. In Albert TJ, Heary R (Eds) SPINAL DEFORMITIES: THE ESSENTIALS, Thieme, 2006.
30. Lumbar Anular Repair and Intradiscal Treatment for Degenerative Disk Disease. Singh K, Andersson GB. In Vaccaro AR, Papadopoulos S, Traynelis V, Haid R (Eds). Spinal Arthroplasty: The Preservation of Motion, Elsevier 2006.
31. Flexion-Distractor Injuries of the Thoracolumbar Spine. Samartzis D, Singh K, Kim D, Ludwig S, Vaccaro AR (Eds). Pediatric and Adult Spine Trauma, Elsevier, 2006.
32. ACDF and Foraminotomy. Singh K. In Vaccaro AR, Albert TJ (Eds). Spinal Surgery: Tricks of the Trade – 2nd edition, Thieme, 2006.
33. DIAM/Wallis. Singh K, Phillips FM. In Vaccaro AR, Albert TJ (Eds). Spinal Surgery: Tricks of the Trade – 2nd edition, Thieme, 2006.
34. Spine Biomechanics: Understanding Motion Sparing Technology. Singh K, Vaccaro, AR. In Vaccaro AR, Papadopoulos S, Traynelis V, Haid R (Eds). Spinal Arthroplasty: The Preservation of Motion, Elsevier 2006.
35. Low Back Pain: Neuroepidemiology. Singh K, Andersson GBJ. In (Eds) Feigin VL, Bennett DA. Handbook of Clinical Neuroepidemiology, Nova Science Publishers, Nova Publishers 2007.
36. Percutaneous Nuclear Replacement Technology. Singh K, Vaccaro AR. In Vaccaro AR and Bono CM (Eds). Minimally Invasive Spinal Surgery, CRC Press, 2007.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

37. Radiographic Imaging in Spinal Arthroplasty. Singh K. In Vaccaro AR, Papadopoulos S, Traynelis V, Haid R, Sasso R (Eds). Spinal Arthroplasty with DVD: The Preservation of Motion, Elsevier 2007.
38. Multilevel Cervical Spondylosis: Posterior Approach. Shibayama J, Singh K, An HS. In Albert, Lee J, Lim M (Eds). Cervical Spine Surgery Challenges, Thieme, 2007.
39. Cervical Spine: Lateral Mass Screw Fixation. Singh K, An HS. In Vaccaro AR (Ed). Atlas of Operative Techniques: Spine Surgery, Saunders, 2007.
40. Anterior Resection of Ossification of the Posterior Longitudinal Ligament. Singh K, Patel A, Vaccaro AR. In Vaccaro AR (Ed). Atlas of Operative Techniques: Spine Surgery, Saunders, 2007.
41. Singh K, Yakel, DM, Wojewnik, B, Vaccaro AR, Ohnmeiss, DD, Blumenthal SL. Lumbar Spine Arthroplasty: Charite Total Disk Replacement in Vaccaro, AR, Baron, EM Atlas of Spinal Surgery. Elsevier Medical Publishing, Philadelphia. 2007
42. Intervertebral Disc Degeneration. Anderson, DG, Singh K, Cahill P, Lee M. Orthopedic Knowledge Update 9 (Ed. Fischgrund), AAOS 2008.
43. Animal Models for Human Disk Degeneration. Singh K, Masuda K, An HS. In Motion Preservation Surgery of the Spine: Advanced Techniques and Controversies. (Eds Yue J, Bertagnoli R, McAfee P, An HS), Elsevier 2008.
44. Musculoskeletal Radiology. Singh K, Singh K, Helms C, An HS. Orthopedic Knowledge Update 9 (Ed. Fischgrund), AAOS 2008.
45. Thoracolumbar Posterolateral Fusion Techniques: Pedicle Screw Instrumentation. Singh K. SpineFellows.com Interactive Education Program, Magnifi, 2008.
46. Iliac Crest Bone Graft. Lee M, Stanley T, Dumonski M, Cahill P, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2009.
47. Thoracolumbar Approach. Stanley T, Lee M, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2009.
48. Thoracolumbar Instrumentation. Dumonski M, Lee M, Stanley T, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2009.
49. Bioresorbable Implants: Cervical Spine. Dumonski M, Singh K, Vaccaro AR. Degradable Polymers for Skeletal Implants. (Ed. Wuisman P, Smit T), NovaScience, 2009.
50. Biomaterials. Singh K. Orthopedic Board Review Book, AAOS, 2009.
51. Degenerative Cascade Revisited. Singh K, Park D, Phillips FM. Lumbar Intervertebral Disc (Eds Phillips, Laurysen). Thieme 2009.
52. Rheumatoid Arthritis: Cervical Spine. Park D, Singh K, An HS. 2009

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

53. Costotransversectomy. Singh K. Spine Trauma Surgical Techniques. Patel V, Brown C (Eds), Springer, 2010.
54. Neurodeficits in Spinal Cord Injury. Orthopedic Knowledge Online 2009. Munns J, Park D, Singh K, Stambough JL, AAOS, 2010.
55. Soteira Kyphoplasty Shield. Singh K. The Comprehensive Treatment of the Aging Spine: Minimally Invasive and Advanced Techniques. JJ Yue, R Guyer, JP Johnson, LT Khoo, SH Hochschuler (Eds). Elsevier, 2010.
56. Costotransversectomy. Singh K. In Spine Trauma. Eds Patel V, Brown C. Springer: 253-259, 2010.
57. The Future: Disc Regeneration and other Technologies. Park D, Ellman M, Singh K, An HS. Textbook of Operative Spinal Surgery, 3ed (Eds Bridwell K), LWW 2011.
58. Anterior Lumbar Interbody Fusion. Siemenow K, Singh K. Handbook of Spine Surgery. Baaj A, Uribe J, Vaccaro AR, Mummaneni PV (Eds). Thieme 2011.
59. Spinal Cord Injury: Rehabilitation and Prognosis. Stanley T, Wojenik B, Vaccaro AR, Singh K. Neurotrauma and Critical Care (Ed Jallo J, Vaccaro AR), Thieme, 2011.
60. Cervical Spine: Lateral Mass Screw Fixation. Singh K, An HS. In Vaccaro AR, Barron EM (2nd Ed). Atlas of Operative Techniques: Spine Surgery, Saunders, 2011.
61. Anterior Resection of Ossification of the Posterior Longitudinal Ligament. Singh K, Patel A, Vaccaro AR. In Vaccaro AR, Barron EM (2nd Ed). Atlas of Operative Techniques: Spine Surgery, Saunders, 2011.
62. Cervical Spinal Instrumentation. Singh K, Munns, J, Vaccaro AR. Devlin V (Ed) In SPINE SECRETS, Mosby, 2012.
63. Surgical Approaches to the Cervical Spine. Singh K, Park D, Munns, J, Park D, Vaccaro AR. Devlin V (Ed) In SPINE SECRETS, Mosby, 2012.
64. Persistent Dysphagia: Remove Plate vs Wait. Munns J, Park D, Singh K. Cervical Spine (4th Edition) Benzel E (Ed). LWW, 2012.
65. Degenerative Disc Disease with and without Facet Arthritis. Singh K, Hoskins J, Fineberg S, Oglesby M. In Patel, Patel, Harrop, Burger (Eds) Spine Surgery Basics. Springer Berlin: 239-246, 2012
66. Minimally Invasive TLIF. Minimally Invasive Spine Surgery: Surgical Techniques & Disease Management. Eds Phillips FM, Lieberman I, Polly D. Springer 2012.
67. Clinical Results and Complications of Interspinous Process Spacers- Pelton, M, Singh K. Eds Kim D. Thieme 2012.
68. Subaxial Cervical and Cervicothoracic Fixation Techniques - Indications, Techniques and Outcomes. *Orthopedic Clinics of North America*. Pelton M, Singh K, Springer 2012.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

69. Bioresorbables in Cervical Spine Surgery. Nooman A, Bae H, Singh K. . Cervical Spine (4th Edition) Benzel E (Ed). LWW, 2012.
70. Cervical LaminoForaminotomy. Atlas of Essential Orthopaedic Procedures. Singh K, Hoskins J, Yelavarthi V. AAOS, Rosemont, IL 2013.
71. Minimally Invasive Posterior Foraminotomy. Decision-Making in Minimally Invasive Spine Surgery. Fineberg S, Oglesby M, Singh K. Eds Singh K. Jaypee Brothers Medical Publishing, 2013.
72. Minimally Invasive Transforaminal Lumbar Interbody Fusion. Decision-Making in Minimally Invasive Spine Surgery. Fineberg S, Oglesby M, Singh K. Eds Singh K. Jaypee Brothers Medical Publishing, 2013.
73. Minimally Thoracic Discectomy and Corpectomy. Decision-Making in Minimally Invasive Spine Surgery. Fineberg S, Oglesby M, Singh K. Eds Singh K. Jaypee Brothers Medical Publishing, 2013.
74. Axial Lumbar Interbody Fusion. Decision-Making in Minimally Invasive Spine Surgery. Fineberg S, Oglesby M, Singh K. Eds Singh K. Jaypee Brothers Medical Publishing, 2013.
75. Minimally Invasive Thoracic Spine Techniques. Fineberg S, Oglesby M, Singh K. Decision-Making in Minimally Invasive Spine Surgery. Eds Singh K. Jaypee Brothers Medical Publishing, 2013
76. Biomechanics of Interbody Fusion. Fineberg S, Oglesby M, Singh K. Eds Vaccaro, Sharan. Jaypee Brothers Medical Publishing, 2013.
77. Bearing Surfaces in Spinal Disc Arthroplasty. Fineberg S, Oglesby M, Singh K. Eds Singh K. Jaypee Brothers Medical Publishing, 2013.
78. Minimally Invasive Spine Surgery: Trauma. Fineberg S, Oglesby M, Singh K. Decision-Making in Minimally Invasive Spine Surgery. Eds Singh K. Jaypee Brothers Medical Publishing, 2013
79. Minimally Tumor Resection. Fineberg S, Oglesby M, Singh K. Decision-Making in Minimally Invasive Spine Surgery. Eds Singh K. Jaypee Brothers Medical Publishing, 2013
80. Biomaterials in Arthroplasty: Joints and Spine. Orthopedic Knowledge Update: 11th Ed. Levine B, Singh K., Jacobs J. AAOS 2014.
81. Posterior Dynamic Stabilization of the Lumbo-Sacral Articulation. Nandyala S, Marques A, Hoskins J. In Kim D, Singh K. In Vaccaro A, Whang P, Kim S, Kim S. *Lumbo-Sacral and Pelvic Procedures*. Quality Medical Publishing, 2014.
82. Minimally Invasive TLIF. Minimally Invasive Spine Surgery: Surgical Techniques & Disease Management. Eds Phillips FM, Lieberman I, Polly D. Springer 2014.
83. Long-term outcomes of Lumbar Disc Athroplasty. Fineberg S, Nandyala S, Lara A, Singh K. Dynamic Reconstruction of the Spine 2ed, Thieme, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

84. Clinical Results and Interspinous Process Spacers and Complications. Oglesby M, Fineberg S, Singh K. Eds Sengupta D. Dynamic Reconstruction of the Spine 2ed, Thieme, 2014.
85. Current Status of Facet Replacement Devices. Singh K, Nandyala S, Marquez A, Fineberg S, Oglesby M, Khoo L, Pimenta L, Diaz R, Webb S. Dynamic Reconstruction of the Spine 2ed, Thieme, 2014.
86. Bearing Surface Materials for Hip, Knee and Disk Replacement. Levine B, Singh K, Jacobs J. OKU 11, 2014.
87. ACDF and Foraminotomy. Singh K, Fineberg S, Oglesby M. In Vaccaro AR, Albert TJ (Eds). Spinal Surgery: Tricks of the Trade – 3rd edition, Thieme, 2014.
88. Interspinous Process Devices. Singh K, Fineberg S, Oglesby M, Phillips FM. In Vaccaro AR, Albert TJ (Eds). Spinal Surgery: Tricks of the Trade – 3rd edition, Thieme, 2014.
89. Complications of Minimally Invasive TLIF. Fineberg S, Oglesby M, Singh K. In Vaccaro AR, Kim D, Radcliff K (Eds). Complications in Spinal Instrumentation. Thieme, 2014.
90. Long-Term Outcomes of Lumbar Disc Arthroplasty. Fineberg S, Nandyala S, Singh K. Dynamic Reconstruction of the Spine 2nd Ed. Eds Kim D, Sengupta D. Thieme, 2014.
91. Minimally Invasive Techniques of the Thoracic Spine. Fineberg S, Oglesby M, Singh K. The Spine. Eds Vaccaro AR, Su B, Chiba K, Dvorak M, Mayer H, Rajasekaran S, Vialle L, Wang Y, Youssef M. Jaypee Publishers, 2014.
92. Non-Operative and Operative Treatment of Sub-Axial Cervical Spine Trauma. Nandyala S, Marquez A, Park D, Singh K. The Spine. Eds Vaccaro AR, Su B, Chiba K, Dvorak M, Mayer H, Rajasekaran S, Vialle L, Wang Y, Youssef M. Jaypee Publishers, 2014.
93. Thoracolumbar Approach. Nandyala S, Marquez A, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2014 (2nd edition).
94. Anterior Cervical Discectomy and Fusion. Postoperative Orthopedic Rehabilitation. Eds Green A, Hayda R. Nandyala S, Marquez A, Cheng D, Singh K. AAOS, 2014.
95. Minimally Invasive Lumbar Interbody Fusion. Pelton M, Nandyala S, Marquez A, Singh K. Eds Phillips FM. Minimally Invasive Spine Surgery, Springer Science 2014.
96. Cervical Distraction-Extensions Injuries. Sankarananarayan S, Sundberg E, Singh K. Eds Vaccaro Rihn Wang. In Clinical Decision Support in Spine Surgery. 2014
97. Minimally Invasive Transforaminal Lumbar Interbody Fusion: Technique Video. Elboghdady I, Jorgenson A, Marquez-Lara A, Singh K. Annals Translational Medicine 2(10):99, 2014.
98. Biomaterials. Ayers R, Singh K. Orthopedic Board Review Book, AAOS, 2015.
99. Iliac Crest Bone Graft. Nandyala S, Marquez A, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2015 (2nd Edition).

Kern Singh, M.D.

1611 W Harrison St.

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kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

100. Thoracolumbar Posterior Spinal Instrumentation. Nandyala S, Marquez A, Singh K. Operative Techniques in Orthopedic Surgery, LWW 2015 (2nd Edition).
101. MIS – New Techniques/New Complications. Nandyala S, Marquez A, Singh K. Eds Vaccaro, Koerner Kim. In Recent Advances in Spinal Surgery. Jaypee Publishing 2015.
102. Post-Operative Spinal Infection. Nandyala S, Hassanzadeh H, Singh K. Eds Bono C, Harris M. In Orthopedic Surgery and Board Review. McGraw Hill, 2015.
103. Lumbar Spondylolisthesis and Spinal Stenosis. Lara A, Sundberg E, Singh K. Eds Bono C, Harris M. In Orthopedic Surgery and Board Review. McGraw Hill, 2015.
104. Cervical Radiculopathy. Elboghdady I, Jorgensen A, Singh K. Eds Bono C, Harris M. In Orthopedic Surgery and Board Review. McGraw Hill, 2015.
105. Biomechanical Effects of Long Constructs on Distal Adjacent Levels: Considerations for Including L5-S1 and Pelvic Fixation. Hassanzadeh H, Louie P, Navqi A, Elboghdady I, Singh K. Eds Haid R, Shaffrey C, Schwab F, Youssef J. In Global Spinal Alignment and Balance. Quality Medical Publishing, 2015.
106. Anterior Lumbar Interbody Fusion. Ahn J, Siemenow K, Singh K. Handbook of Spine Surgery 2ed. Baaj A, Uribe J, Vaccaro AR, Mummaneni PV (Eds). Thieme 2015.
107. Minimally Invasive Spine Surgery: New Techniques and Complications. Nandyala S, Marquez Lara A, Mayo B, Maisel B, Singh K. In Vaccaro AR (Ed). Recent Advances in Spinal Surgery, Jaypee Publishing, 2015.
108. Surgical Treatment of Lumbar Disc Herniation: MIS, Endoscopic and Percutaneous Techniques. Ahn J, Rossi V, Sershon R, Mayo B, Massel D, Tabaree A, Singh K. Sem Spine Surgery 2015 (Rihn J Editor)
109. Cervical Spine: Lateral Mass Screw Fixation. Singh K, Long W, Mayo B, Vaccaro AR. In Vaccaro AR (Ed). Atlas of Operative Techniques: Spine Surgery (3rd Ed), Saunders, 2016.
110. Anterior Resection of Ossification of the Posterior Longitudinal Ligament. Singh K, Modi Krishna, Mayo B, Vaccaro AR. In Vaccaro AR (Ed). Atlas of Operative Techniques: Spine Surgery (3rd Ed), Saunders, 2016.
111. Nonoperative and Operative Treatment of Subaxial Cervical Spine Trauma Including Dislocations. Nandyala S, Marquez-Lara A, Narain A, Hijji F, Park D, Singh K. The Spine. Jaypee Publishing 2016.
112. Complications of Instrumentation in Minimally Invasive Transforaminal Lumbar Interbody Fusion. Fineberg SJ, Oglesby M, Singh K. Spinal Instrumentation (2nd Edition). Thieme Medical Publishers 2017.
113. Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Pelton MA, Nandyala SV, Marquez-Lara A, Singh K. Minimally Invasive Spine Surgery: Surgical Techniques and Disease Management (2nd Edition). Springer, 2017.

Kern Singh, M.D.

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www.outpatient-spine-surgeon.com

POSTER PRESENTATIONS – NATIONAL / INTERNATIONAL

1. Biomechanical Comparison of Spinal Instrumentation Following Multi-level Corpectomy of the Cervical Spine. Singh K, Vaccaro AR, Kim J, Lorenz E, Cho T, Humphreys C, Lim T, An HS. CERVICAL SPINE RESEARCH SOCIETY 2002, Miami Beach, FL.
2. Enhancement of Stability Following Anterior Cervical Corpectomy: A Biomechanical Study. Singh K, Vaccaro AR, Kim J, Lorenz E, Cho T, Humphreys C, Lim T, An HS. CERVICAL SPINE RESEARCH SOCIETY 2002, Miami Beach, FL.
3. Disc Degeneration and Morphologic Changes in the Intervertebral Foramen of the Cervical Spine: A Cadaveric Magnetic Resonance Imaging (MRI) and Computed Tomography (CT) Study. Singh K, You J, Fujiwara A, An HS. CERVICAL SPINE RESEARCH SOCIETY 2003, Scottsdale, AZ.
4. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry. Singh K, Masuda K, Ponnappan RK, Cz-Sabo G. MIDWEST ORTHOPEDIC RESEARCH EDUCATIONAL FOUNDATION 2004, Chicago, IL.
5. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry. Singh K, Masuda K, Ponnappan RK, Cz-Sabo G. RUSH SURGICAL SOCIETY, 2004, Chicago, IL.
6. Prospective, Randomized, Double Blind Study Of Local Anesthetic Infusion At The ICBG Site. Singh K, Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM, AMERICAN ACADEMY OF ORTHOPEDIC SURGEONS, 2005, Washington, DC.
7. In Vitro Formation Of Tissue-Engineered Cartilage By Expanded Osteoarthritic Human Chondrocytes. Singh K, Ponnappan RK, Cs-Szabo G, An HS, Nakagawa K, Akeda K, Miyamoto K, Thonar E, Masuda K, MD. AMERICAN ACADEMY OF ORTHOPEDIC SURGEONS 2005, Washington, DC.
8. A prospective cohort analyses of adjacent vertebral body bone mineral density in lumbar surgery patients with or without instrumented posterolateral fusion: A 9-12 year follow-up. Singh K, An HS, Samartzis D, Nassr A, Provus J, Hickey M, Andersson G. INTERNATIONAL SOCIETY OF LUMBAR SPINE SURGERY, 2005, New York, NY.
9. Congenital lumbar spinal stenosis: A prospective, controlled, matched cohort radiographic analyses. Singh K, Samartzis D, Andersson G, Yoon T, Nassr A, Phillips F, Goldberg E, An H. INTERNATIONAL SOCIETY OF LUMBAR SPINE SURGERY, 2005, New York, NY.
10. A prospective cohort analyses of adjacent vertebral body bone mineral density in lumbar surgery patients with or without instrumented posterolateral fusion: A 9-12 year follow-up. Singh K, An HS, Samartzis D, Nassr A, Provus J, Hickey M, Andersson G. WORLD SPINE III: AN INTERDISCIPLINARY CONGRESS ON SPINE CARE, 2005, Rio de Janeiro, Brazil.
11. Congenital lumbar spinal stenosis: A prospective, controlled, matched cohort radiographic analyses. Singh K, Samartzis D, Andersson G, Yoon T, Nassr A, Phillips F, Goldberg E, An

Kern Singh, M.D.

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kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

- H. WORLD SPINE III: AN INTERDISCIPLINARY CONGRESS ON SPINE CARE, 2005, Rio de Janeiro, Brazil.
12. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: CT-scan analysis at one and two years. [Singh K](#), Smucker JD, Boden SD. NORTH AMERICAN SPINE SOCIETY, 2005, Philadelphia.
 13. Prospective, Randomized, Double Blind Study Of Local Anesthetic Infusion At The ICBG Site. [Singh K](#), Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM, NORTH AMERICAN SPINE SOCIETY, 2005, Philadelphia, PA.
 14. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: CT-scan analysis at one and two years. [Singh K](#), Smucker JD, Boden SD. CERVICAL SPINE RESEARCH SOCIETY, 2005, San Diego, CA.
 15. Recombinant BMP-2 can overcome the inhibitory effect of adriamycin in posterolateral fusions in a rabbit model. [Singh K](#), Smucker JD, Ugbo JL, Tortolani PJ, Rumi M, Heller JG, Boden SD, Yoon ST. CERVICAL SPINE RESEARCH SOCIETY, 2005, San Diego, CA.
 16. Recombinant BMP-2 can overcome the inhibitory effect of adriamycin in posterolateral fusions in a rabbit model. [Singh K](#), Smucker JD, Ugbo JL, Tortolani PJ, Rumi M, Heller JG, Boden SD, Yoon ST. AMERICAN ORTHOPAEDIC ASSOCIATION, 2006, Anaheim, CA.
 17. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: CT-scan analysis at one and two years. [Singh K](#), Smucker JD, Boden SD. ISSLS, 2006, Norway.
 18. Open cement augmentation and lumbar decompression for the operative management of thoracolumbar stenosis secondary to osteoporotic burst fractures. [Singh K](#), Heller JG, Samartzis D, Price S, An HS, Rhee J, Yoon ST, Phillips FM. NORTH AMERICAN SPINE SOCIETY, 2006, Norway.
 19. A prospective, randomized, double blind study of the efficacy of post-operative continuous local anesthetic infusion at the iliac crest bone graft site after posterior spinal arthrodesis: A minimum of four-year follow-up. IMAST, 2007, Atlantis, Bahamas.
 20. Quantification of Age-related changes of extracellular matrix proteins in the nucleus pulposus and annulus fibrosus of the human intervertebral disc. [Singh K](#), Masuda KM, Thonar E, An HS, Cs-Szabo G. ORS 2007, San Francisco 2007.
 21. A Prospective, randomized, Double Blind Study of the Efficacy of Post-operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis: A Minimum of Four-year Follow-up. [Singh K](#), Phillips FM. CERVICAL SPINE RESEARCH SOCIETY, Dec 2007, San Francisco, CA.
 22. E-Poster: Lumbar Extracavitary Corpectomy: Surgical Technique and Case Series. [Singh K](#), Park D, Munns J, An HS. IMAST, Jul 2009, Vienna, Austria.
 23. Peri-operative Cost And Charge Analysis Following Single Level Minimally Invasive Versus Open Transforaminal Lumbar Interbody. [Singh K](#). LSRS, Chicago, 2012.
 24. Complications of BMP-2 in the Setting of an MIS TLIF. [Singh K](#), LSRS, Chicago, 2012.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

25. Complications of Actifuse in the Setting of an MIS TLIF. Singh K, LSRS, Chicago, 2012.
26. Clinical Complications following rhBMP-2 use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Singh K, IMAST, Istanbul, Turkey 2012.
27. A comparison of Open versus MIS TLIFs in a Worker's Compensation Patient Population, IMAST, Istanbul, Turkey 2012 (E-Poster).
28. Clinical Outcomes following Silicate Substituted Calcium Phosphate use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion, IMAST, Istanbul, Turkey 2012 (E-Poster).
29. A Peri-Operative Cost and Charge Analysis Following Single Level Minimally Invasive Versus Open Transforaminal Lumbar Interbody Fusion, IMAST, Istanbul, Turkey 2012 (E-Poster).
30. Clinical Complications following rhBMP-2 use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion, IMAST, Istanbul, Turkey 2012 (E-Poster).
31. Minimally Invasive Transforaminal Lumbar Interbody Fusion: The Surgical Learning Curve, IMAST, Istanbul, Turkey 2012 (E-Poster).
32. Patient Perceptions of Physician Reimbursement for Spine Surgery, IMAST, Istanbul, Turkey 2012 (E-Poster).
33. Clinical Complications following rhBMP-2 use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion, ISSLS, Amsterdam, 2012.
34. Epidemiological Trends in Kyphoplasties between 2004-2009. Singh K, Fineberg S, Oglesby M, Pelton M. SMISS, Miami, 2012.
35. Epidemiological Trends in Lumbar Spine Surgery between 2002-2009. Singh K, Fineberg S, Oglesby M, Pelton M. SMISS, Miami, 2012.
36. A comparison of Open versus MIS TLIFs in a Worker's Compensation Patient Population. Singh K, Fineberg S, Oglesby M, Pelton M. SMISS, Miami, 2012.
37. Clinical Outcomes following Silicate -Substituted Calcium Phosphate use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Singh K, Fineberg S, Oglesby M, Pelton M. SMISS, Miami, 2012.
38. Epidemiological Trends in Dynamic Lumbar Stabilization Devices. Singh K, Fineberg S, Oglesby M, Pelton M, Phillips FM. SMISS, Miami, 2012.
39. Trends in Complications after Cervical Spine Surgery from 2002-2009. Singh K, Pelton M. AAOS, Dallas, 2012.
40. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Singh K, Pelton M. AAOS, Dallas, 2012.
41. Patient Perceptions of Physician Reimbursement for Spine Surgery. Badlani N, Pelton M, Phillips FM, Singh K, Allen RT. NASS, Dallas, TX 2012.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

42. Outcomes of Anterior, Posterior, and Circumferential Lumbar Fusions. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
43. Complications of Anterior and Posterior Lumbar Fusion with Use of Bone Morphogenic Proteins. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
44. Epidemiological Trends in the Use of Bone Morphogenic Protein in Spinal Fusions from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
45. Epidemiological Trends in Kyphoplasties between 2004-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
46. Trends in Complications After Lumbar Spine Surgery from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
47. Incidence and Mortality of Thromboembolic Events after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
48. Incidence and Mortality of Surgical Site Infections after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
49. Incidence and Risk Factors for Visual Loss following Spinal Fusion. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
50. Incidence and Risk Factors for Cardiac Complications following Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). LSRS, Chicago, 2013.
51. Incidence and Mortality of Thromboembolic Events after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
52. Outcomes of Anterior, Posterior, and Circumferential Lumbar Fusions. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
53. Epidemiological Trends in Kyphoplasty Procedures between 2004-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
54. Trends in Complications after Lumbar Spine Surgery from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
55. Epidemiological Trends in Lumbar Spine Surgery between 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
56. Risk Factors for Hematomas and Neurologic Complications after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
57. Epidemiological Trends in the Use of Bone Morphogenetic Protein in Spinal Fusions from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
58. Outcomes of Lumbar Total Disc Arthroplasty Revisions and Anterior Lumbar Interbody Fusion Revisions from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.

Kern Singh, M.D.

1611 W Harrison St.

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www.outpatient-spine-surgeon.com

59. Incidence and Mortality of Surgical Site Infections after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
60. Outcomes of Lumbar Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
61. Outcomes of Lumbar Total Disc Replacement and Anterior Lumbar Interbody Fusion from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
62. Risk Factors for Urinary Complications after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). ISSLS, Scottsdale, AZ 2013.
63. Trends in Complications after Cervical Spine Surgery from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). AAOS, Chicago, IL, 2013.
64. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). AAOS, Chicago, IL, 2013.
65. Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenic Protein. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
66. Epidemiological Trends in the Use of Bone Morphogenic Protein in Spinal Fusions from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
67. Epidemiological Trends in Interspinous Process Spacers, Pedicle-Based Dynamic Stabilization, and Facet Replacement Devices between 2007-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
68. Incidence and Mortality of Surgical Site Infections after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
69. Epidemiological Trends in Lumbar Spine Surgery between 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
70. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
71. Comparison between Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion of 1-2 Levels from 2002-2009. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
72. Risk factors for Urinary Complications after Cervical Spine Surgery. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
73. Hospital Outcomes of Multiple-Level Anterior and Posterior Cervical Fusions from 2002-2009. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
74. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
75. Epidemiological Trends in Cervical Spine Surgery between 2002-2009. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.

Kern Singh, M.D.

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www.outpatient-spine-surgeon.com

76. Incidence and Mortality of Thromboembolic Events after Lumbar Spine Surgery. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
77. Risk Factors for Hematomas and Neurologic Complications after Lumbar Spine Surgery. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
78. Epidemiological Trends in Interspinous Process, Pedicle-Based Dynamic Stabilization, and Facet Replacement Devices between 2007-2009. Fineberg S, Oglesby M, Patel A, [Singh K](#), NASS 2013, New Orleans.
79. Comparison of Patient Demographics and Perioperative Outcomes of Anterior, Posterior, and Combined Anterior/Posterior Cervical Fusions. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). Cervical Spine Research Society, Los Angeles, CA 2013.
80. Comparison between Revisional Surgeries for Cervical TDR and 1-2 Level ACDF. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). Cervical Spine Research Society, Los Angeles, CA 2013.
81. Effect of Diabetes Mellitus in Surgical Outcomes Following Anterior Cervical Spine Fusion. Marquez-Lara A, Fineberg SJ, Nandyala SV, Singh K. AAOS, New Orleans, 2014.
82. Cerebral Vascular Accidents following Lumbar Spine Fusion Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
83. Outcomes after Single-level Posterior Lumbar Interbody Fusion: Outpatient vs Inpatient. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
84. The Relationship of Hospital Bed Capacity on Peri-operative Outcomes in Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
85. Incidence and Mortality of Surgical Site Infections after Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
86. Effect of Diabetes Mellitus in Surgical Outcomes after Anterior Cervical Spine Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
87. Epidemiological Trends in Lumbar Spine Surgery between 2002-2011. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
88. Impact of Resident Involvement on Complications Following Anterior Cervical Discectomy and Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
89. Incidence, Predictors and Outcomes of Pulmonary Embolism after Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
90. Incidence, Predictors and Outcomes of Pneumonia after Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
91. Outcomes after Single-level Lumbar Decompression or Fusion in Patients with Hypertension. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.

Kern Singh, M.D.

1611 W Harrison St.

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www.outpatient-spine-surgeon.com

92. The Impact of Diabetes Mellitus in Surgical Outcomes after Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
93. Patient Characteristics Affecting Discharge Disposition after Anterior Cervical Fusion. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
94. Patient Characteristics Affecting Discharge Disposition after Lumbar Fusion. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
95. Effect of Hypertension in Surgical Outcomes after Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
96. Outcomes after Lumbar Spine Surgery in Patients with Elevated Creatinine. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
97. Outcomes after Lumbar Spine Surgery in Patients with Preoperative Anemia. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
98. Outcomes after Lumbar Decompression or Fusion in Patients with an Elevated White Blood Cell Count (>10K). Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
99. A Comparison of Peri-operative Outcomes of Anterior Cervical Decompression and Fusion between Orthopaedic Surgeons and Neurosurgeons. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
100. Comparison of Peri-operative Outcomes of Posterior Cervical Decompression between Orthopaedic Surgery and Neurosurgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
101. Risk Factors for Pneumonia following Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
102. Risk Factors Associated with Wound Complications Following Lumbar Spine Surgery for Degenerative Pathologies. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
103. Complications of Bone Morphogenetic Protein Utilization in Anterior and Posterior Lumbar Fusions. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
104. Outcomes of Lumbar Spine Surgery in Teaching and Non-teaching Hospitals: Analysis of the "July Effect. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
105. Effect of Hypertension in Surgical Outcomes after Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
106. Outcomes of Multi-level Anterior Lumbar Fusion from 2002-2011. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
107. Incidence and Risk Factors of Postoperative Ileus Following Lumbar Fusion. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.

Kern Singh, M.D.

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kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

108. Comparison between Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion of 1-2 Levels from 2002-2009. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
109. Comparison of Peri-operative Outcomes and Cost of Spinal Fusion for Cervical Trauma: Weekday versus Weekend Admissions. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
110. Peri-operative Characteristics, Outcomes, and Risks of Post-operative Complications in Patients with Anemia Following Cervical Spinal Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
111. Impact of Resident Involvement on Complications Following Posterior Cervical Decompression Without Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
112. A Comparison of Peri-operative Outcomes of Cervical Spine Surgery between Orthopaedic Surgery and Neurosurgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
113. Comparison of Peri-operative Outcomes for Lumbar Decompression: Orthopaedic Surgery Versus Neurosurgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
114. Peri-Operative Outcomes of Posterior Cervical Fusion Surgery between Orthopaedic Surgery and Neurosurgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
115. Comparison of Peri-operative Outcomes of Lumbar Fusion: Orthopaedic Surgery versus Neurosurgery . Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
116. Incidence, Risk Factors and Outcomes of Postoperative Airway Management after Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
117. Resident Involvement and the Potential Impact on Complications Following Single-level Lumbar Decompression Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
118. Impact of Resident Involvement on Complications Following Lumbar Decompression Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
119. Peri-operative Characteristics, Outcomes and Risks of Post-operative Complications in Patients with Anemia Following Lumbar Spinal Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
120. Epidemiological Trends in Interspinous Process, Pedicle-based Dynamic Stabilization and Facet Replacement Devices between 2007-2011. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
121. Risk Factors for Urinary Tract Infection following Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
122. Peri-operative Characteristics and Outcomes of Diabetics Following Lumbar Decompression. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
123. Risk Factors for Urinary Tract Infections Following Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.

Kern Singh, M.D.

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Chicago, IL 60612

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www.outpatient-spine-surgeon.com

124. Impact of Body Mass Index on Complication Rates in Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
125. Risk Factors for Reoperation Following Elective Cervical Spine Surgery: An Analysis of 3,922 Patients from the ACS NSQIP Database. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
126. Impact of Resident Involvement on Complications Following Lumbar Fusion Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
127. Risk Factors Associated with Wound Complications Following Cervical Spine Surgery for Degenerative Pathologies. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
128. Peri-operative Characteristics and Outcomes of Diabetics Following Lumbar Fusion. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
129. Peri-operative Characteristics and Outcomes of Patients Receiving General Anesthesia versus Spinal Anesthesia in Single-level Lumbar Decompression. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
130. Risk Factors for Postoperative Re-intubation Following Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, Singh K. ISASS, Miami, 2014.
131. Perioperative Outcomes of Multi-level versus Single Level Lumbar Spine Surgery. Nandyala S, Marquez-Lara A, Fineberg S, Singh K. LSRS, Chicago, 2014.
132. Incidence, Predictors and Outcomes of Pulmonary Embolism after Lumbar Spine Surgery. Marquez-Lara A, Nandyala S, Fineberg S, Singh K. LSRS, Chicago, 2014.
133. Incidence, Predictors and Outcomes of Pneumonia after Lumbar Spine Surgery. Marquez-Lara A, Nandyala S, Fineberg S, Singh K. LSRS, Chicago, 2014.
134. Comparison of Comorbidity and the Relative Risk Increase for In-Hospital Mortality and Complications Following Lumbar Spine Surgery. Nandyala S, Marquez-Lara A, Hassanzadeh H, Singh K. LSRS, Chicago, 2014.
135. Sentinel Events in Lumbar Spine Surgery. Marquez-Lara A, Nandyala S, Hassanzadeh H, Singh K. LSRS, Chicago, 2014.
136. Risk Factors Associated with Surgical Site Infections Following Lumbar Spine Surgery for Degenerative Pathologies. Marquez-Lara A, Nandyala S, Fineberg S, Singh K. LSRS, Chicago, 2014.
137. Comparison of Peri-Operative Outcomes for Lumbar Decompression: Orthopaedic Surgery Versus Neurosurgery. Singh K, Marquez A, Nandyala S, Fineberg S. NASS, San Francisco, 2014.
138. Peri-Operative Characteristics and Outcomes of Diabetics Following Lumbar Fusion. Singh K, Nandyala S, Marquez A, Fineberg S. NASS, San Francisco, 2014.
139. Comparison of Peri-Operative Outcomes of Single-Level Lumbar Fusions: Orthopaedic Surgery Versus Neurosurgery. Singh K, Marquez A, Nandyala S, Hassanzadeh H, Jorgensen A, Sundberg E, NASS, San Francisco, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

140. Survival Analysis of Minimally Invasive Lumbar Laminectomy in Obese Patients. Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Marquez-Lara A, Nandyala S, Elboghhdady I, Sundberg E, Singh K. SMISS, Miami, 2014.
141. Narcotic Utilization in Medicare Beneficiaries Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghhdady I, Noureldin M, Marquez-Lara A, Jorgensen A, Hassanzadeh H, Sundberg E, Nandyala S, Sankaranarayanan S, Singh K. SMISS, Miami, 2014.
142. Peri-Operative Outcomes in Medicare and Workers' Compensation Patients following Mini-Open Stand-Alone Anterior Lumbar Interbody Fusion. Elboghhdady I, Noureldin M, Sundberg E, Marquez-Lara A, Hassanzadeh H, Jorgensen A, Sankaranarayanan S, Singh K. SMISS, Miami, 2014.
143. Bohl DD, Basques BA, Golinvaux NS, Lukasiewicz AM, Webb ML, Samuel AM, Ahn J, Singh K, Grauer JN. Severity weighting of postoperative adverse events in orthopaedic surgery. 128th Meeting of the American Orthopaedic Association. Providence, RI. 2015 June 24-27.
144. Severity weighting of postoperative adverse events in orthopaedic surgery. Bohl D, Basques B, Golinvaux N, Lukasiewicz A, Webb M, Samuel A, Ahn J, Singh K, Grauer J. 128th Meeting of the American Orthopaedic Association. Providence, RI, 2015.
145. The Utility of Obtaining Routine Hematologic Laboratory Values Following Anterior Cervical Discectomy and Fusion. Manning B, Ahn J, Hassanzadeh H, Nandyala S, Singh K. ISASS, San Diego, 2015.
146. Surgical and Clinical Outcomes Associated with Minimally Invasive and Open Lumbar Discectomy. Ahn J, Park A, Aboushaala K, Duhancioglu G, Iqbal A. Singh K ISASS, San Diego, 2015.
147. Minimally Invasive Lumbar Decompression - The Surgical Learning Curve. Ahn J, Aboushaala K, Leblang S, Kamath R, Singh K. ISASS, San Diego, 2015.
148. Postoperative Opioid Consumption: A Comparison between Anterior and Lateral Lumbar Interbody Fusion. Ahn J, Nandyala S, Kadura Y, Singh K. ISASS, San Diego, 2015.
149. Minimally Invasive versus Open Lumbar Discectomy: Analysis of Postoperative Narcotic Requirements. Ahn J, Park A, Manning B, Kadura Y, Nandyala S, Singh K. ISASS, San Diego, 2015.
150. The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghhdady I, Ahn J, Aboushaala K, Manning B, Elbeik M, Singh K. ISASS, San Diego, 2015.
151. Two-year Survival of Unilateral versus Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Rossi V, Duhancioglu G, Aboushaala K, Nandyala S, Singh K. ISASS, San Diego, 2015.
152. Functional Outcomes following Lumbar Decompression: Analysis of a Worker's Compensation Population. Ahn J, Aboushaala K, Kamath R, Elboghhdady I, Singh K. ISASS, San Diego, 2015.

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www.outpatient-spine-surgeon.com

153. Comparison of Surgical Outcomes Following an Anterior Cervical Discectomy and Fusion with a Stand Alone Cage versus Anterior Plating with an Interbody Device. Ahn J, Tabaraee E, Nandyala S, Elbeik M, Aboushaala K, Singh K. ISASS, San Diego, 2015.
154. Comparison of Surgical Outcomes for Stand Alone Mini-open Anterior Lumbar Interbody Fusion versus Extreme Lateral Interbody Fusion. Park A, Ahn J, Duhancioglu G, Nandyala S, Singh K. ISASS, San Diego, 2015.
155. The Impact of Obesity on Surgical Outcomes for a Mini-open Anterior Lumbar Interbody Fusion. Ahn J, Kamath R, Aboushaala K, Iqbal A, Singh K. ISASS, San Diego, 2015.
156. The Impact of Worker's Compensation Claims on Outcomes and Costs Following an Anterior Cervical Discectomy and Fusion. Ahn J, Aboushaala K, Kamath R, Manning B, Singh K. ISASS, San Diego, 2015.
157. The Impact of Body Mass Index on Anterior Cervical Discectomy and Fusion: A Two-year Survival Analysis. Nandyala S, Ahn J, Aboushaala K, Kamath R, Singh K. ISASS, San Diego, 2015.
158. Accuracy of Self-reported Narcotic Utilization and Post-operative Narcotics Consumption in Workers' Compensation Patients Undergoing Spinal Surgery. Ahn J, Rossi V, Aboushaala K, Duhancioglu G, Singh K. ISASS, San Diego, 2015.
159. Minimally Invasive Lumbar Decompression - The Surgical Learning Curve. Ahn J, Aboushaala K, Manning BT, Leblang S, Iqbal A, Singh K. LSRS, Chicago, 2015.
160. Unilateral versus Bilateral Pedicle Screw Instrumentation for a Minimally Invasive Transforaminal Lumbar Interbody Fusion: Analysis of Surgical Outcomes, Costs, and Narcotic Utilization. Ahn J, Park AJ, Rossi VJ, Tabaraee E, Nandyala SV, Bohl DD, Aboushaala K, Singh K. LSRS, Chicago, 2015.
161. Minimally Invasive versus Open Single-Level Transforaminal Lumbar Interbody Fusion: Surgical Outcomes, Narcotic Utilization, and Functional Capacity. Ahn J, Park AJ, Rossi VJ, Tabaraee E, Duhancioglu G, Kamath R, Iqbal A, Manning BT, Leblang S, Singh K. LSRS, Chicago, 2015.
162. Quantification of Multifidus Atrophy and Fatty Infiltration Following A Minimally Invasive Microdiscectomy. Tabaraee E, Ahn J, Bohl DD, Phillips FM, Singh K. LSRS, Chicago, 2015.
163. The Utility of Obtaining Routine Hematologic Laboratory Values Following Anterior Cervical Discectomy and Fusion. Manning BT, Hassanzadeh H, Nandyala SV, Elboghdady IM, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
164. The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Rossi VJ, Park AJ, Elboghdady IM, Bohl DD, Aboushaala K, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
165. Impact of Local Intraoperative Steroid Application on Patient-Reported Swallow Function Following Anterior Cervical Discectomy and Fusion Procedures. Ahn J, Ahn J, Bohl DD, Tabaraee E, Duhancioglu G, Kamath R, Aboushaala K, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.

Kern Singh, M.D.

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kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

166. Timing of Complications Following Anterior Cervical Decompression and Fusion Procedures. Bohl DD, Samuel AM, Webb ML, Lukasiewicz AM, Golinvaux NS, Basques BA, Ahn J, Singh K, Vaccaro AE, Grauer JN. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
167. Bohl DD, Ahn J, Lukasiewicz AM, Samuel AM, Webb ML, Basques BA, Golinvaux NS, Singh K, Grauer JN. Severity Weighting of Adverse Events in Orthopaedic Trauma Surgery. 31st Annual Meeting of the Orthopaedic Trauma Association. October 7-10, 2015. San Diego, CA.
168. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo B, Louie P, Bohl D, Iantorno S, Ahn J, Tabaraee E, Massel D, Singh K. SMISS, Las Vegas, 2015.
169. Impact of Operative Time on Adverse Events Following Posterior Lumbar Fusion Procedures. Bohl D, Ahn J, Mayo B, Massel D, Basques B, Grauer J, Singh K. SMISS, Las Vegas, 2015.
170. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Basques BA, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
171. Postoperative Narcotic Following Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparison of Body Mass Index. Massel DH, Mayo BC, Long WW, Modi KD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
172. Minimally Invasive Transforaminal Lumbar Interbody Fusion: Comparison of Low Versus High-grade Isthmic Spondylolisthesis. Massel DH, Mayo BC, Long WW, Modi KD, Basques BA, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
173. Narcotic Consumption Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion: An Age Based Analysis. Mayo BC, Massel DH, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
174. The Impact of Local Steroid Application on Dysphagia Following an Anterior Cervical Discectomy and Fusion: Preliminary Results of a Prospectively, Randomized, Single Blind Trial. Mayo BC, Massel DH, Ahn J, Bohl DD, Shifflett GD, Louie PK, Modi KD, Long WW, Aboushaala KA, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
175. Impact of Body Mass Index on Surgical Outcomes, Narcotic Consumption, Costs and Reimbursements following Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Bohl DD, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
176. In-Hospital Narcotic Utilization in Workers' Compensation Patients following Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.

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177. Impact of Local Steroid Application in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Ahn J, Bohl DD, Long WW, Modi KD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
178. Malnutrition Predicts Infectious and Wound Complications Following Posterior Lumbar Spinal Fusion. Bohl DD, Ahn J, Mayo BC, Massel DH, Basques BA, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
179. Impact of Operative Time on Adverse Events Following Posterior Lumbar Fusion Procedures. Bohl DD, Ahn J, Mayo BC, Massel DH, Basques BA, Modi KD, Long WW, Grauer JN, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
180. Pre-operative Narcotic Utilization: Accuracy of Self-Reporting Prior to Spinal Surgery. Ahn J, Bohl DD, Elboghady IM, Massel DH, Mayo BC, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
181. Narcotic Consumption in Workers' Compensation Patients Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
182. Spine Surgeon Selection Criteria: Factors Influencing Patient Choice. Manning BT, Ahn J, Bohl DD, Louie PK, Massel DH, Mayo BC, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
183. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Basques BA, Singh K. LSRS, Chicago, 2016.
184. Pre-operative Narcotic Utilization: Accuracy of Self-Reporting Prior to Spinal Surgery. Ahn J, Bohl DD, Elboghady IM, Massel DH, Mayo BC, Modi KD, Long WW, Singh K. LSRS, Chicago, 2016.
185. Bohl DD, Ahn J, Louie PK, Mayo BC, Massel DH, Modi KD, Long WW, Singh K. Multimodal versus Patient Controlled Analgesia Following Transforaminal Lumbar Interbody Fusion. 9th Annual Meeting of the Lumbar Spine Research Society. Chicago, IL. 2016 Apr 14-15.
186. Postoperative Narcotic Consumption in Workers' Compensation Patients Following Anterior Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
187. The Impact of Worker's Compensation Claims on Surgical Outcomes following Anterior Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
188. Multimodal versus Patient Controlled Analgesia Following Transforaminal Lumbar Interbody Fusion. Bohl DD, Louie PK, Kim TD, Ahn J, Massel DH, Mayo BC, Long WW, Modi KD,

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- Buvanendran K, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
189. Minimally Invasive Transforaminal Lumbar Interbody Fusion: Comparison of Grade I Versus Grade II Isthmic Spondylolisthesis. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
190. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis following a Mini-open Anterior Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
191. Treatment of grade II isthmic spondylolisthesis: Comparison of minimally invasive transforaminal and anterior lumbar interbody fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
192. Differences in clinical outcomes between isthmic and degenerative spondylolisthesis following a minimally invasive transforaminal lumbar interbody fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Basques BA, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
193. Narcotic consumption in workers' compensation patients following a minimally invasive transforaminal lumbar interbody fusion. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
194. Narcotic consumption following a minimally invasive transforaminal lumbar interbody fusion: An age based analysis. Massel DH, Mayo BC, Modi KD, Long WW, Bohl DD, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
195. Pre-operative narcotic utilization: Accuracy of self-reporting prior to spinal surgery. Ahn J, Bohl DD, Elboghdady IM, Massel DH, Mayo BC, Modi KD, Long WW, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
196. Evaluation of Online Anterior Cervical Discectomy and Fusion Patient Education Materials. Long WW, Modi K, Massel DH, Mayo BC, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
197. Inpatient Pain Among Worker's and Non-Worker's Compensation Patients Following Anterior Cervical Discectomy and Fusion. Massel DH, Mayo BC, Modi K, Long WW, Aboushaala KA, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
198. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Louie PK, Bohl DD, Ahn J, Tabaraee E, Massel DH, Modi K, Long WW, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
199. The Effect of Smoking Status on Inpatient Pain Scores Following Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Modi K, Long WW, Aboushaala KA, Basques B, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.

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www.outpatient-spine-surgeon.com

200. Assessing Online Patient Education Readability for Lumbar Fusion Procedures. Modi K, Long WW, Mayo BC, Massel DH, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
201. Lower Narcotic Dose and Higher Inpatient Pain Scores Lead to Longer Hospital Stays Following Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Long WW, Modi K, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
202. An Abridged Swal-Qol Form To Assess Dysphagia Following Anterior Cervical Spine Surgery. Mayo BC, Massel DH, Long WW, Modi K, Bohl DD, Markowitz JS, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
203. Is There A Difference In Ct-Based Fusion Rate When Using Structural Allograft Bone Vs. Peek Cages For ACDF?. Colman M, Massel DH, Mayo BC, Modi K, Long WW, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
204. The Effect Of Age On Baseline Swal-Qol Scores. Mayo BC, Massel DH, Long WW, Modi K, Markowitz JS, DiBattista JV, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
205. Effect of Surgery Start Time On Day Of Discharge In Anterior Cervical Discectomy And Fusion Patients. Mayo BC, Massel DH, Bohl DD, Long WW, Modi K, DiBattista JV, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
206. Improvements in Back and Leg Pain Following a Minimally Invasive Lumbar Decompression. Massel DH, Mayo BC, Bohl DD, Louie PK, Narain AS, Hijji FY, Teclé N, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
207. The Effect of Smoking Status on Inpatient Pain Scores Following Transforaminal Lumbar Interbody Fusion. Hijji FY, Narain AS, Massel DH, Mayo BC, Kudaravalli KT, DiBattista J, Markowitz J, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
208. The Impact of Local Steroid Application on Dysphagia Following an Anterior Cervical Discectomy and Fusion: Preliminary Results of a Prospectively, Randomized, Single Blind Trial. Massel DH, Mayo BC, Ahn J, Bohl DD, Modi KD, Long WW, Narain AS, Hijji FY, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
209. Body Mass Index is Not Associated with Inpatient Pain Scores or Postoperative Narcotic Consumption following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Bohl DD, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, Markowitz J, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
210. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
211. Preoperative Mental Health May Not Be Predictive of Patient Reported Outcomes following a Minimally Invasive Lumbar Discectomy. Massel DH, Bohl DD, Long WW, Modi KD, Narain AS, Hijji FY, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.

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212. Risk Factors for Increased Pain Following Minimally Invasive Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Hijji FY, Narain AS, Yom KH, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
213. Fever Following Lumbar Fusion Procedures. Bohl DD, Mayo BC, Massel DH, Hijji FY, Narain AS, Louie PK, Modi KD, Long WW, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
214. Lower Narcotic Dose and Higher Inpatient Pain Scores Lead to Longer Hospital Stays Following Transforaminal Lumbar Interbody Fusion. Mayo BC, Bohl DD, Hijji FY, Narain AS, Teclé N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
215. Improvements in Back and Leg Pain Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Bohl DD, Louie PK, Narain AS, Hijji FY, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
216. Risk Factors for an Overnight Stay following Anterior Cervical Discectomy and Fusion. Massel DH, Bohl DD, Hijji FY, Narain AS, Markowitz J, DiBattista J, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
217. Impact of Body Mass Index on Surgical Outcomes, Narcotic Consumption, Costs and Reimbursements following Anterior Cervical Discectomy and Fusion. Hijji FY, Narain AS, Mayo BC, Massel DH, Bohl DD, Yom KH, Kudaravalli KT, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
218. Complication Rates of Minimally Invasive Lateral Lumbar Interbody Fusion: A Systematic Review. Hijji FY, Narain AS, Mayo BC, Bohl DD, Long WW, DiBattista J, Kudaravalli KT, Shoshana N, Yom KH, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
219. Inpatient Pain Scores Following Primary and Revision Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Mayo BC, Long WW, Kudaravalli KT, Yom KH, Markowitz J, DiBattista J, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
220. Preoperative Mental Health May Not Be Predictive of Improvements in Patient Reported Outcomes Following an Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Markowitz J, DiBattista J, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
221. Risk Factors for a Long Hospital Stay Following Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
222. Preoperative Mental Health May Not Be Predictive of Improvements in Patient Reported Outcomes Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Long WW, Modi KD, Narain AS, Hijji FY, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
223. A Comparison of Daily Inpatient Pain Scores and Narcotic Consumption by Day of Discharge Following Transforaminal Lumbar Interbody Fusion. Massel DH, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.

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224. An Abridged SWAL-QOL Form to Assess Dysphagia Following Anterior Cervical Spine Surgery. Massel DH, Bohl DD, Hijji FY, Narain AS, Markowitz J, Kudaravalli KT, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
225. Narcotic Consumption Following Minimally Invasive Lumbar Decompression: A Comparison Between Hospital and Ambulatory-Based Surgery Centers. Massel DH, Mayo BC, Fineberg S, Bohl DD, Long WW, Modi KD, Hijji FY, Narain AS, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
226. A Comparison of Inpatient Pain Scores and Narcotic Consumption Following Transforaminal, Anterior, and Lateral Lumbar Interbody Fusions. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Tecele N, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
227. Postoperative Outcomes Following Primary and Revision Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Mayo BC, Long WW, Kudaravalli KT, Yom KH, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
228. Nerve Identification Using a Novel Ultrasound Algorithm. Nguyen T, Hijji FY, Narain AS, Mayo BC, Kudaravalli KT, Yom KH, Shoshana N, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
229. Preoperative Mental Health Is Not Predictive of Patient Reported Outcomes Following a Minimally Invasive Lumbar Discectomy. Mayo BC, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
230. An Abridged SWAL-QOL Form to Assess Dysphagia Following Anterior Cervical Spine Surgery. Mayo BC, Massel DH, Bohl DD, Hijji FY, Narain AS, Kudaravalli KT, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
231. Risk Factors for Increased Pain Following Minimally Invasive Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
232. Lower Narcotic Dose and Higher Inpatient Pain Scores Lead to Longer Hospital Stays Following Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DH, Bohl DD, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
233. Gender Does Not Affect Inpatient Pain Following Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Mayo BC, Massel DH, Yom KH, Kudaravalli KT, Shoshana N, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
234. Inpatient Pain Scores Following a One or Two-level Anterior Cervical Discectomy and Fusion. Narain AS, Hijji FY, Massel DH, Mayo BC, Yom KH, Kudaravalli KT, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.

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- 235.Improvements in Neck and Arm Pain Following an Anterior Cervical Discectomy and Fusion. Massel DH, Mayo BC, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 236.Treatment of Grade II Isthmic Spondylolisthesis: Comparison of Minimally Invasive Transforaminal and Anterior Lumbar Interbody Fusion. Mayo BC, Massel DH, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 237.A Comparison of Daily Inpatient Pain Scores and Narcotic Consumption by Day of Discharge Following Transforaminal Lumbar Interbody Fusion. Massel DH, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 238.Narcotic Consumption Following Minimally Invasive Lumbar Decompression: A Comparison between Hospital and Ambulatory-based Surgery Centers. Massel DH, Mayo BC, Bohl DD, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 239.Risk Factors Associated with Failure to Reach Minimum Clinically Important Difference in Patient Reported Outcomes after Anterior Cervical Discectomy and Fusion. Narain AS, Hijji FY, Bohl DD, Yom KH, Kudaravalli KT, Shoshana N, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 240.Assessing Online Patient Education Readability for Spine Surgery Procedures. Long WW, Modi KD, Massel DH, Mayo BC, Hijji FY, Narain AS, Shoshana N, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 241.Postoperative Outcomes Following Primary and Revision Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Mayo BC, Yom KH, Kudaravalli KT, Shoshana N, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 242.Does Age Affect Inpatient Pain Scores Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion? Narain AS, Hijji FY, Massel DH, Mayo BC, Bohl DD, Kudaravalli KT, Yom KH, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 243.Minimally Invasive Transforaminal Lumbar Interbody Fusion: Comparison of Low versus High-grade Isthmic Spondylolisthesis. Massel DH, Mayo BC, Hijji FY, Narain AS, Kudaravalli KT, Yom KH, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 244.Inpatient Pain among Worker's and Non-worker's Compensation Patients Following Anterior Cervical Discectomy and Fusion. Hijji FY, Narain AS, Massel DH, Mayo BC, Kudaravalli KT, Yom KH, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 245.American Society of Anesthesiologists Score Does Not Predict Risk for Revision Procedures after Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Yom KH, Kudaravalli KT, [Singh K.](#) International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.

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246. Improvements in Back and Leg Pain Following a Minimally Invasive Lumbar Decompression. Massel DH, Mayo BC, Bohl DD, Louie PK, Hijji FY, Narain AS, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
247. Preoperative Mental Health May Not Be Predictive of Improvements in Patient Reported Outcomes Following an Anterior Cervical Discectomy and Fusion. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Basques BA, Yacob A, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
248. A Comparison of Inpatient Pain Scores and Narcotic Consumption Following Transforaminal, Anterior and Lateral Lumbar Interbody Fusions. Mayo BC, Massel DH, Bohl DD, Narain AS, Hijji FY, Yom KH, Kudaravalli KT, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
249. Improvements in Back and Leg Pain Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Bohl DD, Louie PK, Narain AS, Hijji FY, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
- 250.

SCIENTIFIC PRESENTATIONS – NATIONAL/INTERNATIONAL

1. Determination and Identification of Chimeric Yeast Artificial Chromosomes. Singh K, Gemmill R. ANNUAL PROCEEDINGS OF THE COLORADO/WYOMING ACADEMY OF MOLECULAR SCIENCES – Colorado Springs, CO 1994.
2. A Biomechanical Comparison of Spinal Instrumentation Following Multi-level Corpectomy of the Cervical Spine. Singh K, Vaccaro AR, Kim J, Lorenz E, Cho T, Humphreys C, Lim T, An HS. 13TH ANNUAL RUSH SURGICAL SOCIETY UNIVERSITY 2003, Chicago, IL
3. A Biomechanical Comparison of Spinal Instrumentation Following Multi-level Corpectomy of the Cervical Spine. Singh K, Vaccaro AR, Kim J, Lorenz E, Cho T, Humphreys C, Lim T, An HS. RUSH UNIVERSITY [SIGMA XI] RESEARCH FORUM 2003, Chicago, IL.
4. Enhancement of Stability Following Anterior Cervical Corpectomy: A Biomechanical Study. Singh K, Vaccaro AR, Kim J, Lorenz E, Cho T, Humphreys C, Lim T, An HS. RUSH UNIVERSITY [SIGMA XI] RESEARCH FORUM 2003, Chicago, IL.
5. Use of recombinant human bone morphogenetic protein-2 as an adjunct in posterolateral lumbar spine fusion: CT-scan analysis at one and two years. Singh K, Smucker JD, Boden SD. KELLY DAY – EMORY UNIVERSITY, 2005, Atlanta, GA.
6. Cervical Spine Trauma: Current Concepts. Singh K. Stryker Resident Trauma Symposium, 2006, Chicago, IL.
7. Animal Models for Disc Repair. An HS, Singh K. NORTH AMERICAN SPINE SOCIETY ANNUAL MEETING 2004, SPINE JOURNAL SPECIAL ISSUE: BIOLOGICS IN SPINAL SURGERY. Oct 2004, Chicago, IL.
8. *In Vitro* Formation of Scaffold-free Tissue-engineered Cartilage from Expanded Osteoarthritic Human Chondrocytes stimulated by Osteogenic Protein-1 using the Alginate-Recovered-Chondrocyte Method: An Assessment of Gross Morphology and Biochemistry. Singh K, Masuda

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www.outpatient-spine-surgeon.com

- K, Ponnappan RK, Cz-Sabo G. SMITH AND NEPHEW NATIONAL RESIDENT COMPETITION, August, 2004, Memphis, TN.
9. A Prospective, Randomized, Double Blind Study of the Efficacy of Post-Operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis. Singh K, Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM. CERVICAL SPINE RESEARCH SOCIETY, Dec 2004, Boston, MA.
 10. The Management of Recurrent Spinal Metastasis. Heller JG, Singh K. 9TH INTERNATIONAL ARGOS SYMPOSIUM – PITFALLS IN SPINAL METASTASIS, 2005, Paris, France.
 11. Early versus Late Management of Spinal Metastases. Heller JG, Singh K. 9th INTERNATIONAL ARGOS SYMPOSIUM – PITFALLS IN SPINAL METASTASIS, 2005, Paris, France.
 12. A Prospective, Randomized, Double Blind Study of the Efficacy of Post-Operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis. Singh K, Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM. INTERNATIONAL SOCIETY OF LUMBAR SPINE SURGERY, 2005, New York, NY.
 13. Vertebral Body Augmentation: Cements and Resorbables. Singh K, SPINE TECHNOLOGY EDUCATION GROUP – 2ND ANNUAL SYMPOSIUM, July 2005, Cabo San Lucas, Mexico.
 14. Open Cement Augmentation and Lumbar Decompression With or Without Posterior Instrumentation for the Operative Management of Thoracolumbar Stenosis Secondary to Osteoporotic Burst Fractures. Singh K, Heller JG, Samartzis D, Price S, An HS, Ledlie A, Phillips FM. WORLD SPINE III: AN INTERDISCIPLINARY CONGRESS ON SPINE CARE, 2005, Rio de Janeiro, Brazil.
 15. A Prospective, Randomized, Double Blind Study of the Efficacy of Post-Operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis. Singh K, Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM. WORLD SPINE III: AN INTERDISCIPLINARY CONGRESS ON SPINE CARE, 2005, Rio de Janeiro, Brazil.
 16. A Prospective Cohort Analyses of Adjacent Vertebral Body Bone Mineral Density in Lumbar Surgery Patients With or Without Instrumented Posterolateral Fusion: A 9-12 Year Follow-up. Singh K, An HS, Samartzis D, Nassr A, Provus J, Hickey M, Andersson G. NORTH AMERICAN SPINE SOCIETY, 2005, Philadelphia.
 17. Cement Augmentation and Lumbar Decompression for the Operative Management of Thoracolumbar Stenosis Secondary to Osteoporotic Burst Fractures. Singh K, Heller JG, Samartzis D, Price S, An HS, Rhee J, Yoon ST, Phillips FM. NORTH AMERICAN SPINE SOCIETY, 2005, Philadelphia.
 18. Postoperative Airway or Swallowing Disturbance Associated with the Use of rhBMP-2 in the Anterior Cervical Spine. Smucker J, Singh K, Yoon ST, Heller JG, Rhee J. NORTH AMERICAN SPINE SOCIETY, 2005, Philadelphia.
 19. A Prospective, Randomized, Double Blind Study of the Efficacy of Post-Operative Continuous Local Anesthetic Infusion at the Iliac Crest Bone Graft Site After Spinal Arthrodesis. Singh K, Manning D, Samartzis D, Hupp M, Wetzel T, Phillips FM. SCOLIOSIS RESEARCH SOCIETY, 2005, Miami, FL.

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www.outpatient-spine-surgeon.com

20. A prospective cohort analyses of adjacent vertebral body bone mineral density in lumbar surgery patients with or without instrumented posterolateral fusion: A 9-12 year follow-up. Singh K, An HS, Samartzis D, Nassr A, Provus J, Hickey M, Andersson G. SCOLIOSIS RESEARCH SOCIETY, 2005, Miami, FL.
21. Increased postoperative airway or swallowing complications associated with the use of rhBMP-2 in anterior cervical fusions. Smucker JD, Rhee JM, Singh K, Yoon ST, Heller JG. CERVICAL SPINE RESEARCH SOCIETY, San Diego, CA 2005.
22. Use of rhBMP-2 as an adjunct in posterolateral lumbar spine fusion. Singh K, Smucker JD, Boden SD. American Academy of Orthopedic Surgeons, 73rd annual meeting, Chicago, IL 2006.
23. The use of rhBMP-2 in posterolateral spinal fusion can overcome inhibition of fusion by doxorubicin in a rabbit model. Singh K, Smucker JD, Ugbo JL, Tsai L, Boden SD, Yoon ST. ISSLS, 2006, Norway.
24. Spinal Deformity and Neoplastic Processes. Moderator. Singh K. Spine Across the Sea, 2006, Maui, Hawaii
25. Modern Laminoplasty Techniques. Surgical Symposium. Singh K. Spine Across the Sea, 2006, Maui, Hawaii.
26. Quantification of Extracellular Matrix Proteins in the Nucleus Pulposus and Anulus Fibrosus of the Human Intervertebral Disc: Variation with Aging. Orthopedic Research Society, 2007 San Diego, CA.
27. A prospective, randomized, double blind study of the efficacy of post-operative continuous local anesthetic infusion at the iliac crest bone graft site after posterior spinal arthrodesis: A minimum of four-year follow-up. SCOLIOSIS RESEARCH SOCIETY, 2007, Edinburgh, Scotland.
28. A prospective, randomized, double blind study of the efficacy of post-operative continuous local anesthetic infusion at the iliac crest bone graft site after posterior spinal arthrodesis: A minimum of four-year follow-up. NORTH AMERICAN SPINE SOCIETY, 2007, Austin, TX.
29. A Comparison of Complications from Vertebroplasty and Kyphoplasty: a Meta-Analysis of 124 Studies. Lee MJ, Singh K. NORTH AMERICAN SPINE SOCIETY, 2007, Austin, TX.
30. Repeat arthrodesis with rhBMP-2 at an adjacent spinal level: An assessment of efficacy and immunologic response. Singh K, Stanley T, Dumonski M, Phillips FM. CERVICAL SPINE RESEARCH SOCIETY, Dec 2007, San Francisco, CA.
31. Factors Affecting Re-operations after ACDF within and outside of an FDA IDE Cervical TDR. Phillips FM, Singh K, An HS, Goldberg EJ. CERVICAL SPINE RESEARCH SOCIETY, Dec 2007, San Francisco, CA
32. Current Concepts in Minimally Invasive Spine Surgery in the Setting of Metastatic Spinal Disease. Singh K. ASSICON (Association of Spine Surgeons of India), Jan 2009, Chennai, India.
33. MIS Surgery in the Setting of DDD. Singh K. ASSICON (Association of Spine Surgeons of India), Jan 2009, Chennai, India.

Kern Singh, M.D.

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Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

34. Lumbar Extracavitary Corpectomy: Surgical Technique and Case Series. Singh K, Park D, Munns J, An HS. Lumbar Spine Research Society, Apr 2009, Chicago, IL.
35. MIS Transforaminal Lumbar Interbody Fusion. Spine Arthroplasty Society, New Orleans, 2010.
36. MIS Spinal Complications. Spine Arthroplasty Society, New Orleans, 2010.
37. The influence of Intraoperative Fluid Administration on Hospital Stay of Patients Undergoing MIS TLIF's. Singh K, Siemenow K, Hoskins J. LSRS, Chicago, 2011.
38. Minimally Invasive Transforaminal Lumbar Interbody Fusion: The Surgical Learning Curve. Singh K. IMAST, Copenhagen, 2011.
39. Minimally Invasive Thoracolumbar Corpectomy and Reconstruction: Early Results, Complications and Outcomes in 25 Patients. Singh K, Khan S. IMAST, Copenhagen, 2011.
40. Minimally Invasive Transforaminal Lumbar Interbody Fusion. Spine Technology Educational Group, Cabo, 2011.
41. Pain Pumps in Spinal Surgery. Spine Technology Educational Group, Cabo, 2011.
42. A Peri-operative Cost and Charge Analysis Comparing Single-level Minimally Invasive and Open Transforaminal Lumbar Interbody Fusion, ISASS, Barcelona, 2012.
43. A comparison of Open versus MIS TLIFs in a Worker's Compensation Patient Population, ISASS, Barcelona, 2012.
44. Minimally Invasive TLIF: Current Indications, Concepts and Complications. ASSICON, New Delhi, 2012.
45. MIS Percutaneous Pedicle Screw Placement. ASSICON, New Delhi, 2012.
46. Adverse clinical outcomes following rhBMP-2 Use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Miguel Pelton, B.S.; Thomas D. Cha, M.D.; Safdar N. Khan, M.D.; Kern Singh, M.D. LSRS, Chicago 2012.
47. Clinical Outcomes following Silicate -Substituted Calcium Phosphate use in a minimally Invasive Transforaminal Lumbar Interbody Fusion Miguel Pelton, B.S.; Singh, K. LSRS, Chicago 2012
48. A comparison of Open versus MIS TLIFs in a Worker's Compensation Patient Population. Singh K. LSRS, Chicago, 2012.
49. Clinical Outcomes following Silicate –Substituted Calcium Phosphate use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Singh K, NASS, Dallas, TX, 2012.
50. Clinical Sequelae following rhBMP-2 Use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Singh K, NASS, Dallas, TX, 2012.
51. Patient Perceptions of Physician Reimbursement for Spine Surgery. Badlani N, Phillips F, Singh K, Garfin S. NASS, Dallas, TX, 2012.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

52. Adverse clinical outcomes following rhBMP-2 Use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Miguel Pelton, B.S.; Thomas D. Cha, M.D.; Safdar N. Khan, M.D.; Kern Singh, M.D. IMAST, Istanbul, Turkey 2012.
53. A comparison of Open versus MIS TLIFs in a Worker's Compensation Patient Population. Singh K, Pelton M, Phillips FM. IMAST, Turkey 2012.
54. Clinical Outcomes following Silicate -Substituted Calcium Phosphate use in a minimally Invasive Transforaminal Lumbar Interbody Fusion Miguel Pelton, B.S.; Kern Singh, M.D. IMAST, Turkey, 2012
55. Epidemiological Trends in Cervical Spine Surgery between 2002-2009. Miguel Pelton, B.S.; Kern Singh, M.D. AAOS, Chicago, IL 2013.
56. Adverse clinical outcomes following rhBMP-2 Use in a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Miguel Pelton, B.S.; Thomas D. Cha, M.D.; Safdar N. Khan, M.D.; Kern Singh, M.D. AAOS, Chicago, IL 2013.
57. Complications of Anterior and Posterior Lumbar Fusion with Bone Morphogenic Proteins. Fineberg S, Oglesby M, Pelton M, Patel A, Singh K. ISSLS, Scottsdale, AZ 2013.
58. Osteoporotic Compression/burst Fractures with Significant Kyphotic Deformity: When do these Need Surgery and What Surgery Should be Performed. Singh K. AAOS, Chicago, IL 2013.
59. Comparison between Revision Surgeries for Cervical TDR and 1-2 Level ACDF from 2002-2009. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
60. Incidence and Mortality of Surgical Site Infections after Cervical Spine Surgery Trends in Complications after Cervical Spine Surgery from 2002-2009. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
61. Trends in Complications after Cervical Spine Surgery from 2002-2009. Nandyala S, Fineberg S, Marquez A, Pelton M, Patel A, Singh K. NASS 2013, New Orleans.
62. Incidence and Mortality of Thromboembolic Events after Cervical Spine Surgery. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
63. Incidence and Risk Factors for Dysphagia after Anterior Cervical Fusion. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
64. Hospital Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenic Protein. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
65. Complications of Anterior and Posterior Lumbar Fusion with Use of Bone Morphogenic Proteins. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
66. Epidemiological Trends in Lumbar Spine Surgery between 2002-2009. Fineberg S, Oglesby M, Patel A, Singh K. NASS 2013, New Orleans.
67. Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenic Protein. Fineberg S, Oglesby M, Pelton M, Patel A, Singh K. IMAST, Vancouver, Canada 2013.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

68. Epidemiological Trends in the Use of Bone Morphogenic Protein in Spinal Fusions from 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
69. Epidemiological Trends in Interspinous Process Spacers, Pedicle-Based Dynamic Stabilization, and Facet Replacement Devices between 2007-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
70. Incidence and Mortality of Surgical Site Infections after Lumbar Spine Surgery. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
71. Epidemiological Trends in Lumbar Spine Surgery between 2002-2009. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
72. Outcomes of Cervical Spine Surgery in Teaching and Non-Teaching Hospitals. Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). IMAST, Vancouver, Canada 2013.
73. Epidemiological Trends in Cervical Spine Surgery: 2002-2009. Fineberg S, Nandyala S, Patel A, [Singh K](#), NASS 2013, New Orleans.
74. Outcomes and Complications of Anterior and Posterior Cervical Fusion with Bone Morphogenic Protein. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). Cervical Spine Research Society, Los Angeles, CA 2013.
75. The Incidence and Mortality Associated with Reintubations following Anterior Cervical Fusion. Marquez-Lara A, Fineberg S, Oglesby M, Pelton M, Patel A, [Singh K](#). Cervical Spine Research Society, Los Angeles, CA 2013.
76. Outcomes of Patients Undergoing Anterior Cervical Fusion in July; Analysis of the “July Effect”. Nandyala SV, Fineberg SJ, Marquez-Lara A, Singh K. AAOS, New Orleans, 2014
77. Epidemiological Trends in the Use of Bone Morphogenetic Protein in Spinal Fusions from 2002-2011. Nandyala SV, Fineberg SJ, Marquez-Lara A, Singh K. AAOS, New Orleans, 2014.
78. Intraoperative Esophageal Perforation: Incidence, Risk Factors and Outcomes following Anterior Cervical Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
79. Minimally Invasive Transforaminal Lumbar Interbody Fusion: One Surgeon's Learning Curve. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
80. A Peri-operative Cost Analysis Comparing Single-level Minimally Invasive and Open Transforaminal Lumbar Interbody Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
81. Epidemiological Trends in Vertebroplasty and Kyphoplasty between 2004-2011. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
82. Incidence and Risk Factors for Peri-operative Visual Loss Following Spinal Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
83. Epidemiological Trends in the Utilization of Bone Morphogenetic Protein in Spinal Fusions from 2002-2011. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

84. Risk Factors for Re-operation Following Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
85. Comparison between Revision Lumbar TDR and Revision ALIF between 2002-2011. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
86. The Incidence and Mortality of Post-operative Strokes following Anterior Cervical Fusion. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
87. Complications of Spinal Fusion with Utilization of Bone Morphogenetic Protein: A Systematic Review of the Literature. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
88. Perioperative Outcomes of Multi-level Anterior-posterior Lumbar Fusions. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
89. Perioperative Outcomes of Multi-level versus Single Level Lumbar Spine Surgery. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
90. Comparison of Peri-operative Patient Characteristics, Outcomes and Risks of Post-operative Complications Following Thoracolumbar Fusion for Spinal Deformity at Teaching and Non-teaching Hospitals. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
91. Peri-operative Outcomes between Surgical Approaches for Single-level Lumbar Fusions for Spondylolisthesis. Nandyala S, Marquez A, Fineberg S, [Singh K](#). ISASS, Miami, 2014.
92. The Impact of Diabetes Mellitus in Surgical Outcomes after Lumbar Spine Surgery. Nandyala S, Marquez A, [Singh K](#). LSRS, Chicago, 2014.
93. Survival Analysis of Minimally Invasive Lumbar Discectomy in Obese Patients. Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Marquez-Lara A, Nandyala S, Elboghhdady I, [Singh K](#). SMISS, Miami, 2014.
94. Size Does Not Matter: The Impact of Obesity on Surgical Outcomes Following 1 and 2 Level Minimally Invasive Lumbar Laminectomy. Nandyala S, Iqbal A, Elboghhdady I, Hassanzadeh H, Noureldin M, Marquez-Lara A, Jorgensen A, Sundberg E, Sankaranarayanan S, [Singh K](#). SMISS, Miami, 2014.
95. The Impact of Obesity on Postoperative Opioid Consumption after a Single-Level Anterior Lumbar Interbody Fusion. Elboghhdady I, Noureldin M, Hassanzadeh H, Jorgensen A, Marquez-Lara A, Nandyala S, Sundberg E, Sankaranarayanan S, [Singh K](#). SMISS, Miami, 2014.
96. The Impact of Obesity on Surgical Outcomes Following a Minimally Invasive Lumbar Discectomy. Elboghhdady I, Sankaranarayanan S, Nandyala S, Marquez-Lara A, Sundberg E, Hassanzadeh H, Jorgensen A, Noureldin M, [Singh K](#). SMISS, Miami, 2014.
97. Peri-Operative Narcotic Consumption Following Minimally Invasive Lumbar Decompression Surgery: A Stratification based upon BMI. Elboghhdady I, Noureldin M, Sundberg E, Hassanzadeh H, Jorgensen A, Marquez-Lara A, Sankaranarayanan S, Nandyala S, [Singh K](#). SMISS, Miami, 2014.
98. Minimally Invasive Surgery for Revision Lumbar Discectomy Procedures. Hassanzadeh H, Marquez-Lara A, Elboghhdady I, Jorgensen A, Noureldin M, Sundberg E, Sankaranarayanan S, Nandyala S, [Singh K](#). SMISS, Miami, 2014. SMISS, Miami, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

kern.singh@rushortho.com

www.outpatient-spine-surgeon.com

99. Comparison of Outcomes Following a Minimally Invasive Primary versus Revision Lumbar Laminectomy. Marquez-Lara A, Elboghdady I, Sankaranarayanan S, Nandyala S, Jorgensen A, Hassanzadeh H, Sundberg E, Noureldin M, [Singh K.](#)
100. Primary Versus Revision Lumbar Discectomy: Peri-Operative Narcotic Utilization. Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Elboghdady I, Marquez-Lara A, Nandyala S, [Singh K.](#) SMISS, Miami, 2014.
101. Postoperative Narcotic Consumption Following Anterior Lumbar Interbody Fusion: A Workman's Compensation Patient Analysis. Nandyala S, Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Elboghdady I, Marquez-Lara A, [Singh K.](#) SMISS, Miami, 2014.
102. Functional Outcomes in Workman's Compensation Patients Following Transforaminal Lumbar Interbody Fusion. Noureldin M, Elboghdady I, Hassanzadeh H, Sundberg E, Marquez-Lara A, Jorgensen A, Sankaranarayanan S, Nandyala S, [Singh K.](#) SMISS, Miami, 2014.
103. Outcomes Comparison between Unilateral and Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghdady I, Noureldin M, Sankaranarayanan S, Hassanzadeh H, Sundberg E, Jorgensen A, Nandyala S, Marquez-Lara A, [Singh K.](#) SMISS, Miami, 2014.
104. A Medicare Beneficiaries Analysis of Minimally Invasive Lumbar Discectomies: Single Surgeon Experience. Marquez-Lara A, Elboghdady I, Nandyala S, Hassanzadeh H, Jorgensen A, Noureldin M, Sankaranarayanan S, Sundberg E, [Singh K.](#) SMISS, Miami, 2014.
105. Postoperative Narcotic Consumption following a Minimally Invasive Lumbar Decompression Surgery in Medicare Beneficiaries. Jorgensen A, Noureldin M, Elboghdady I, Sundberg E, Sankaranarayanan S, Nandyala S, Marquez-Lara A, Hassanzadeh H, [Singh K.](#) SMISS, Miami, 2014.
106. Peri-Operative Opioid Requirements Associated with Workman's Compensation Claims Following a Minimally Invasive Lumbar Decompression. Sundberg E, Sankaranarayanan S, Hassanzadeh H, Jorgensen A, Elboghdady I, Noureldin M, Marquez-Lara A, Nandyala S, [Singh K.](#) SMISS, Miami, 2014.
107. Minimally Invasive versus Open Lumbar Discectomy: A Survivorship Analysis. Marquez-Lara A, Nandyala S, Elboghdady I, Sundberg E, Sankaranarayanan S, Noureldin M, Jorgensen A, Hassanzadeh H, [Singh K.](#) SMISS, Miami, 2014.
108. Analysis of Multifidus Muscle Atrophy After Minimally Invasive Laminotomy. Sundberg E, Nandyala S, Hassanzadeh H, Marquez-Lara A, Jorgensen A, Elboghdady I, Aboushaala K, [Singh K.](#) SMISS, Miami, 2014.
109. Postoperative Opioid Consumption: A Comparison between Anterior and Direct Lateral Lumbar Interbody Fusion. Nandyala S, Marquez-Lara A, Sankaranarayanan S, Sundberg E, Hassanzadeh H, Jorgensen A, Noureldin M, Elboghdady I, [Singh K.](#) SMISS, Miami, 2014.
110. Surgical Survivorship of Lumbar Discectomy in Patients with Workman's Compensation Claims. Elboghdady I, Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Marquez-Lara A, Nandyala S, [Singh K.](#) SMISS, Miami, 2014.
111. Opioid Requirements in Obese Patients following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Noureldin M, Elboghdady I, Marquez-Lara A, Nandyala S, Sundberg E, Hassanzadeh H, Jorgensen A, Sankaranarayanan S, [Singh K.](#) SMISS, Miami, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

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www.outpatient-spine-surgeon.com

112. Surgical Survivorship of Lumbar Discectomy in Medicare Beneficiaries. Nandyala S, Elboghdady I, Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Marquez-Lara A, Jorgensen A, Singh K. SMISS, Miami, 2014.
113. Surgical Survivorship of Minimally Invasive Lumbar Laminectomy Associated with Workman's Compensation Claims. Noureldin M, Hassanzadeh H, Jorgensen A, Nandyala S, Marquez-Lara A, Elboghdady I, Sankaranarayanan S, Sundberg E, Singh K. SMISS, Miami, 2014.
114. Fusion rates following Posterior Cervical Laminectomy and Fusion Surgery A Systematic Literature Review. Maaieh M, Marquez-lara A, Skovrlj B, Singh K, Qureshi S. SMISS, Miami, 2014.
115. Mesenchymal Stem Cell Allograft In One And Two Level ACDF's: A Matched Cohort Analysis. Steven McAnany, Noureldin M, Elboghdady I, Marquez-Lara A, Ashraf N, Skovrlj B, Overley S, Singh K, Qureshi S. SMISS, Miami, 2014.
116. Surgical and Clinical Outcomes Associated with Minimally Invasive and Open Lumbar Discectomy. Iqbal A, Elboghdady I, Sundberg E, Marquez-Lara A, Sankaranarayanan S, Nandyala S, Noureldin M, Hassanzadeh H, Jorgensen A, Singh K. SMISS, Miami, 2014.
117. The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghdady I, Aboushaala K, Noureldin M, Naqvi A, Manning B, Jorgensen A, Hassanzadeh H, Sundberg E, Singh K. SMISS, Miami, 2014.
118. Opioid Requirements Following Unilateral and Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghdady I, Noureldin M, Sundberg E, Marquez-Lara A, Nandyala S, Hassanzadeh H, Sankaranarayanan S, Jorgensen A, Singh K. SMISS, Miami, 2014.
119. Minimally Invasive Lumbar Laminectomy: A Medicare Beneficiaries Analysis. Sundberg E, Elboghdady I, Jorgensen A, Noureldin M, Marquez-Lara A, Hassanzadeh H, Nandyala S, Sankaranarayanan S, Singh K. SMISS, Miami, 2014.
120. Peri-Operative Narcotic Consumption following Minimally Invasive Lumbar Decompression Surgery: An Aged Based Analysis. Jorgensen A, Elboghdady I, Noureldin M, Sundberg E, Sankaranarayanan S, Nandyala S, Marquez-Lara A, Hassanzadeh H, Singh K. SMISS, Miami, 2014.
121. Narcotic Consumption Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion: An Age Based Analysis. Noureldin M, Elboghdady I, Sankaranarayanan S, Hassanzadeh H, Jorgensen A, Sundberg E, Marquez-Lara A, Nandyala S, Singh K. SMISS, Miami, 2014.
122. Two-Year Survival of Unilateral versus Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghdady I, Noureldin M, Nandyala S, Marquez-Lara A, Sankaranarayanan S, Jorgensen A, Hassanzadeh H, Sundberg E, Singh K. SMISS, Miami, 2014.
123. Symptomatic Neuroforaminal Bony Overgrowth after Transforaminal Lumbar Interbody Fusion with BMP. Jorgensen A, Noureldin M, Sankaranarayanan S, Nandyala S, Marquez-Lara A, Elboghdady I, Hassanzadeh H, Sundberg E, Singh K. SMISS, Miami, 2014.
124. Opioid Consumption in Workman's Comp Patients After a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghdady I, Noureldin M, Marquez-Lara A, Jorgensen A, Nandyala S, Hassanzadeh H, Sankaranarayanan S, Sundberg E, Singh K. SMISS, Miami, 2014.

Kern Singh, M.D.

1611 W Harrison St.

Chicago, IL 60612

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www.outpatient-spine-surgeon.com

125. Minimally Invasive versus Open Lumbar Discectomy: Analysis of Postoperative Narcotic Requirements. Nandyala S, Marquez-Lara A, Sundberg E, Hassanzadeh H, Jorgensen A, Noureldin M, Elboghdady I, Sankaranarayanan S, [Singh K](#). SMISS, Miami, 2014.
126. Functional Outcomes following Lumbar Decompression: Analysis of a Workman's Compensation Population. Noureldin M, Elboghdady I, Marquez-Lara A, Nandyala S, Sundberg E, Jorgensen A, Hassanzadeh H, Sankaranarayanan S, [Singh K](#). SMISS, Miami, 2014.
127. Comparison of Surgical Outcomes between Minimally Invasive and Open Lumbar Laminectomy: Single Surgeon Experience. Sankaranarayanan S, Elboghdady I, Nandyala S, Jorgensen A, Noureldin M, Marquez-Lara A, Sundberg E, Hassanzadeh H, [Singh K](#). SMISS, Miami, 2014.
128. Surgical Outcomes Associated with a Minimally Invasive Lumbar Discectomy in Workman's Compensation Patients. Nandyala S, Elboghdady I, Jorgensen A, Noureldin M, Sundberg E, Hassanzadeh H, Sankaranarayanan S, Marquez-Lara A, [Singh K](#). SMISS, Miami, 2014.
129. Surgical Outcomes in Workman's Compensation Patients Following Minimally Invasive 1 and 2 Level Lumbar Laminectomy. Hassanzadeh H, Nandyala S, Elboghdady I, Noureldin M, Marquez-Lara A, Jorgensen A, Sankaranarayanan S, Sundberg E, [Singh K](#). SMISS, Miami, 2014.
130. Postoperative Narcotic Consumption between Anterior and Anterior-Posterior Lumbar Fusion Surgery. Sundberg E, Sankaranarayanan S, Noureldin M, Hassanzadeh H, Jorgensen A, Elboghdady I, Marquez-Lara A, Nandyala S, [Singh K](#). SMISS, Miami, 2014.
131. Postoperative Narcotic Utilization in Medicare Beneficiaries Following an Anterior Lumbar Interbody Fusion. Marquez-Lara A, Hassanzadeh H, Elboghdady I, Jorgensen A, Noureldin M, Sundberg E, Sankaranarayanan S, Nandyala S, [Singh K](#). SMISS, Miami, 2014.
132. Minimally Invasive Lumbar Laminectomy - The Surgical Learning Curve. Jorgensen A, Elboghdady I, Noureldin M, Sundberg E, Hassanzadeh H, Nandyala S, Sankaranarayanan S, Marquez-Lara A, [Singh K](#). SMISS, Miami, 2014.
133. The Utility of Obtaining Routine Hematologic Laboratory Values following Anterior Cervical Discectomy and Fusion. Manning B, Ahn J, Hassanzadeh H, Nandyala S, Marquez-Lara A, Elboghdady I, [Singh K](#). CSRS, Orlando, 2014.
134. Mesenchymal Stem Cell Allograft In One And Two Level ACDF's: A Matched Cohort Analysis. McAnany SJ, Noureldin M, Elboghdady I, Marquez-Lara A, Skovrlj B, Overley S, Ashraf N, [Singh K](#), Qureshi S. AAOS, Las Vegas, 2015.
135. The Impact of Workman's Compensation Claims on Anterior Cervical Discectomy and Fusion. A Cost Analysis. Sundberg E, Sankaranarayanan S, Noureldin M, Nandyala S, Marquez-Lara A, Elboghdady I, Hassanzadeh H, Jorgensen A, Singh K. AAOS, Las Vegas, 2015.
136. Symptomatic Neuroforaminal Bony Overgrowth after Transforaminal Lumbar Interbody Fusion with BMP. Jorgensen A, Sankaranarayanan S, Nandyala S, Noureldin M, Marquez-Lara A, Hassanzadeh H, Sundberg E, Naqvi A, Aboushaala K, Singh K. AAOS, Las Vegas, 2015.
137. Postoperative Opioid Consumption: A Comparison between Anterior and Direct Lateral Lumbar Interbody Fusion. Nandyala S, Marquez-Lara A, Sankaranarayanan S, Sundberg E, Hassanzadeh H, Jorgensen A, Noureldin M, Elboghdady I, Singh K. AAOS, Las Vegas, 2015.

Kern Singh, M.D.

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138. Outcomes Comparison between Unilateral and Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Elboghhdady I, Noureldin M, Marquez-Lara A, Hassanzadeh H, Jorgensen A, Sundberg E, Sankaranarayanan S, Nandyala S, Singh K. AAOS, Las Vegas, 2015
139. The Impact of Obesity on Surgical Outcomes Following a Minimally Invasive Lumbar Discectomy. Ahn J, Rossi V, Aboushaala K, Park A, Iqbal A, Singh K. ISASS, San Diego, 2015.
140. Functional Outcomes in Worker's Compensation Patients Following Transforaminal Lumbar Interbody Fusion. Ahn J, Park A, Rossi V, Aboushaala K, Nandyala S, Leblang S, Singh K. ISASS, San Diego, 2015.
141. A Comparison of Surgical Outcomes between Minimally Invasive and Open Thoracolumbar Corpectomy: A Minimum of Two-year Follow-up. Tabaraee E, Ahn J, Aboushaala K, Kamath R, Singh K. ISASS, San Diego, 2015.
142. Outcomes Comparison between Unilateral and Bilateral Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Park A, Rossi V, Aboushaala K, Duhancioglu G, Singh K. ISASS, San Diego, 2015.
143. The Impact of Obesity on Surgical Outcomes, Costs, and Reimbursements Following an Anterior Cervical Discectomy and Fusion. Ahn J, Kamath R, Nandyala S, Aboushaala K, Singh K. ISASS, San Diego, 2015.
144. Two-year Survival Comparison between Stand-alone and Anterior Plated Anterior Cervical Discectomy and Fusion. Ahn J, Duhancioglu G, Rossi V, Nandyala S, Aboushaala K, Leblang S, Singh K. ISASS, San Diego, 2015.
145. Minimally Invasive versus Open Lumbar Discectomy: A Survivorship Analysis. Ahn J, Park A, Kamath R, Aboushaala K, Singh K. ISASS, San Diego, 2015.
146. Multifidus Muscle Atrophy following MIS Laminotomy. Tabaraee E, Ahn J, Aboushaala K, Singh K. ISASS, San Diego, 2015.
147. Neuroforaminal Bone Growth Following Minimally Invasive Transforaminal Lumbar Interbody Fusion with BMP: A Computed Tomographic Analysis. Ahn J, Jorgensen A, Park A, Aboushaala K, Singh K. ISASS, San Diego, 2015.
148. Accuracy of Self-reported Narcotic Utilization and Post-operative Narcotics Consumption in Patients Undergoing Spine Surgery. Ahn J, Duhancioglu G, Tabaraee E, Aboushaala K, Singh K. ISASS, San Diego, 2015.
149. Effects of Intraoperative Local Steroid Utilization in a Single-Level Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Duhancioglu G, Kamath R, Tabaraee E, Bohl DD, Aboushaala K, Singh K. LSRS, Chicago, 2015.
150. The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Manning BT, Park AJ, Rossi VJ, Elboghhdady I, Singh K. LSRS, Chicago, 2015.
151. Primary Versus Revision Single-Level Minimally Invasive Lumbar Discectomy: Analysis of Clinical Outcomes and Narcotic Utilization. Ahn J, Tabaraee E, Bohl DD, Aboushaala K, Singh K. LSRS, Chicago, 2015.

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152. Neuroforaminal Bone Growth Following Minimally Invasive Transforaminal Lumbar Interbody Fusion with BMP: A Computed Tomographic Analysis. Ahn J, Jorgensen AY, Aboushaala K, Singh K. LRSR, Chicago, 2015.
153. A Comparison of Surgical Outcomes between Minimally Invasive and Open Thoracolumbar Corpectomy: A Minimum of Two-Year Follow-up. Tabaraee E, Ahn J, Aboushaala K, Singh K. LRSR, Chicago, 2015.
154. Timing of Postoperative Complications After Lumbar Fusion Procedures. Bohl DD, Samuel AM, Webb ML, Lukasiewicz AM, Basques BA, Golinvaux NS, Ahn J, Singh K, Vaccaro AR, Grauer JN. LRSR, Chicago, 2015.
155. How should postoperative adverse events be weighted against each other in research studies? Bohl DD, Ahn J, Lukasiewicz AM, Samuel AM, Webb ML, Basques BA, Golinvaux NS, Singh K, Grauer JN. 67th Annual Meeting of the Association of Bone and Joint Surgeons, Eugene, Oregon, 2015.
156. The Utility of Obtaining Routine Hematologic Laboratory Values Following Anterior Cervical Discectomy and Fusion. Manning BT, Hassanzadeh H, Nandyala SV, Elboghdady IM, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
157. The Utility of Obtaining Routine Hematologic Laboratory Values Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Ahn J, Rossi VJ, Park AJ, Elboghdady IM, Bohl DD, Aboushaala K, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
158. Impact of Local Intraoperative Steroid Application on Patient-Reported Swallow Function Following Anterior Cervical Discectomy and Fusion Procedures. Ahn J, Ahn J, Bohl DD, Tabaraee E, Duhancioglu G, Kamath R, Aboushaala K, Singh K. 30th Annual Meeting of the North American Spine Society, Chicago, IL, 2015.
159. Cervical Total Disc Replacement and Anterior Cervical Discectomy and Fusion have Similar Short-Term Complication Rates. Basques BA, Lukasiewicz AM, Webb ML, Samuel AM, Ahn J, Bohl DD, Toy JO, Singh K, Grauer JN. 43rd Annual Meeting of the Cervical Spine Research Society. San Diego, CA: Dec 3-5, 2015.
160. Missing Data May Invalidate Spine Database Studies. 43rd Annual Meeting of the Cervical Spine Research Society. Basques BA, Webb ML, Samuel AM, Lukasiewicz AM, Ahn J, Bohl DD, Singh K, Grauer JN. San Diego, CA: Dec 3-5, 2015. Submitted 2015 May.
161. Number of Operative Levels Minimally Impacts Risk for Adverse Events Following an Anterior Cervical Decompression and Fusion. Bohl DD, Ahn J, Johnson DJ, Basques BA, Singh K. 43rd Annual Meeting of the Cervical Spine Research Society. San Diego, CA. 2015 Dec 3-5.
162. Impact Of Local Intraoperative Steroid Application On Patient-Reported Swallow Function Following An Anterior Cervical Discectomy And Fusion: Preliminary Results. Ahn J, Ahn J, Bohl DD, Tabaraee E, Duhancioglu G, Kamath R, Johnson DJ, Massel DH, Basques BA, Singh K. CSRS, San Diego, CA 2015.

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163. Impact of Operative Time on Adverse Events Following Anterior Cervical Discectomy and Fusion. Bohl D, Ahn J, Massel D, Mayo B, Basques B, [Singh K](#), Grauer J. SMISS, Las Vegas, 2015.
164. Incidence and Risk Factors for Pneumonia Following Lumbar Spinal Fusion Procedures. Bohl D, Ahn J, Massel D, Mayo B, Basques B, [Singh K](#), Grauer J. SMISS, Las Vegas, 2015.
165. Comparison of Surgical Outcomes between Minimally Invasive and Open Thoracolumbar Corpectomy. Ahn J, Tabaree E, Park A, Ross V, Massel D, Mayo B, Aboushaala K, [Singh K](#). SMISS, Las Vegas, 2015.
166. Multimodal versus Patient Controlled Analgesia Following Transforaminal Lumbar Interbody Fusion. Bohl D, Ahn J, Louie P, Kim T, Duhancioglu G, Kamath R, Mayo B, Massel D, [Singh K](#). SMISS, Las Vegas, 2015.
167. Does Greater Body Mass Index Increase the Risk for Recurrent Herniation Following Lumbar Discectomy?. Bohl D, Ahn J, Mayo B, Massel D, Tabaraee E, Sershon R, Basques B, [Singh K](#). SMISS, Las Vegas, 2015.
168. Bohl DD, Ahn J, Tabaraee E, Sershon RA, Basques BA, [Singh K](#). Does Greater Body Mass Index Increase the Risk for Recurrent Herniation Following Lumbar Discectomy? American Academy of Orthopaedic Surgeons 2016 Annual Meeting. Orlando, FL. 2016.
169. Bohl DD, Ahn J, Johnson DJ, Massel DH, Basques BA, [Singh K](#). Malnutrition Predicts Infectious and Wound Complications Following Posterior Lumbar Spinal Fusion. American Academy of Orthopaedic Surgeons 2016 Annual Meeting. Orlando, FL. 2016.
170. Basques BA, Samuel AM, Webb ML, Lukasiewicz AM, Bohl DD, Ahn J, [Singh K](#), Grauer JN. Results of Database Studies in Spine Surgery Can Be Significantly Affected by Missing Data. AAOS Annual Meeting, Orlando, FL 2016.
171. Bohl DD, Ahn J, Louie PK, Massel DH, Johnson DJ, Basques BA, [Singh K](#). Impact of the Number of Levels on Adverse Events Following Posterior Lumbar Fusion Procedures. American Academy of Orthopaedic Surgeons 2016 Annual Meeting. Orlando, FL. 2016.
172. Tabaraee A, Ahn J, Bohl DD, Collins M, Aboushaala K, [Singh K](#). Stand-Alone Cage versus Anterior Plating for Anterior Cervical Discectomy and Fusion. American Academy of Orthopaedic Surgeons 2016 Annual Meeting. Orlando, FL. 2016.
173. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Massel DH, Louie PK, Bohl DD, Iantorno S, Ahn J, Tabaraee E, [Singh K](#). 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
174. Impact of Operative Time on Adverse Events Following Anterior Cervical Discectomy and Fusion. Bohl DD, Ahn J, Mayo BC, Massel DH, Basques BA, Long WW, Modi KD, [Singh K](#), Grauer JN. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
175. Does Greater Body Mass Index Increase the Risk for Revision Procedures Following a Single-level Minimally Invasive Lumbar Discectomy? Bohl DD, Ahn J, Mayo BC, Massel DH, Long

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- WW, Modi KD, Basques BA, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
176. Treatment of High-grade Isthmic Spondylolisthesis: Comparison of Minimally Invasive Transforaminal and Anterior Lumbar Interbody Fusion. Mayo BC, Massel DH, Modi KD, Long WW, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
177. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DH, Mayo BC, Long WW, Modi KD, Basques BA, Lopez GD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
178. Postoperative Narcotic Following Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparison of Body Mass Index. Massel DH, Mayo BC, Long WW, Modi KD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
179. Minimally Invasive Transforaminal Lumbar Interbody Fusion: Comparison of Low Versus High-grade Isthmic Spondylolisthesis. Massel DH, Mayo BC, Long WW, Modi KD, Basques BA, Lopez GD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
180. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Massel DH, Louie PK, Bohl DD, Iantorno SA, Ahn J, Tabaraee E, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
181. Impact of Operative Time on Adverse Events Following Anterior Cervical Discectomy and Fusion. Bohl DD, Ahn J, Mayo BC, Massel DH, Basques BA, Long WW, Modi KD, Singh K, Grauer JN. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
182. Does Greater Body Mass Index Increase the Risk for Revision Procedures Following a Single-Level Minimally Invasive Lumbar Discectomy? Bohl DD, Ahn J, Mayo BC, Massel DH, Long WW, Modi KD, Basques BA, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
183. Treatment of High-grade Isthmic Spondylolisthesis: Comparison of Minimally Invasive Transforaminal and Anterior Lumbar Interbody Fusion. Mayo BC, Massel DH, Modi KD, Long WW, Lopez GD, Singh K. 16th Annual Meeting of the International Society for the Advancement of Spine Surgery, Las Vegas, NV 2016.
184. Basques BA, Samuel AM, Webb ML, Lukasiewicz AM, Bohl DD, Ahn J, Singh K, Grauer JN. Missing Data May Invalidate Spine Database Studies. LSRS Annual Meeting, Chicago, IL 2016.
185. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Massel DH, Louie PK, Bohl DD, Iantorno SA, Ahn J, Tabaraee E, Singh K. LSRS, Chicago, 2016.

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186. Narcotic Consumption Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion: An Age Based Analysis. Massel DH, Mayo BC, Modi KD, Long WW, Singh K. LSRS, Chicago, 2016.
187. Postoperative Narcotic following a Single-level Minimally Invasive Transforaminal Lumbar Interbody Fusion: A Comparison by Body Mass Index. Massel DH, Mayo BC, Long WW, Modi KD, Bohl DD, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
188. Effects of Intraoperative Anesthetic Medications on Postoperative Urinary Retention after Single Level Lumbar Fusion. Mayo BC, Massel DH, Louie PK, Bohl DD, Iantorno SE, Ahn J, Tabaraee E, Singh K. International Society for the Advancement of Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
189. Does Greater Body Mass Index Increase the Risk for Revision Procedures Following a Single-Level Minimally Invasive Lumbar Discectomy? Bohl DD, Ahn J, Massel DH, Mayo BC, Basques BA, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
190. Spine Surgeon Selection Criteria: Factors Influencing Patient Choice. Manning BT, Ahn J, Bohl DD, Louie PK, Massel DH, Mayo BC, Singh K. Society for Minimally Invasive Spine Surgery at SpineWeek. Singapore, Singapore. 2016 May 16-20.
191. Spine Surgeon Selection Criteria: Factors Influencing Patient Choice. Manning B, Ahn J, Bohl DD, Louie PK, Massel DH, Mayo BC, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
192. The Impact of Local Steroid Application on Dysphagia Following an Anterior Cervical Discectomy and Fusion: Preliminary Results of a Prospectively, Randomized, Single Blind Trial. Massel DH, Mayo BC, Ahn J, Bohl DD, Louie PK, Shifflett G, Modi K, Long WW, Aboushaala KA, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
193. Does Greater Body Mass Increase the Risk for Revision Procedures Following a Single-Level Minimally Invasive Lumbar Discectomy? Bohl DD, Ahn J, Mayo BC, Massel DH, Long WW, Modi K, Basques B, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
194. Multimodal versus Patient Controlled Analgesia Following Anterior Cervical Decompression and Fusion Procedures. Bohl DD, Louie PK, Mayo BC, Massel DH, Long WW, Modi K, Singh K. North American Spine Society. Boston, MA. 2016 Oct 26-29.
195. The Impact of Local Steroid Application On Dysphagia Following An Anterior Cervical Discectomy And Fusion: Preliminary Results Of A Prospectively, Randomized, Single Blind Trial. Massel DH, Mayo BC, Ahn J, Bohl DD, Modi K, Long WW, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
196. Impact Of Body Mass Index On Surgical Outcomes, Narcotic Consumption, Costs And Reimbursements Following Anterior Cervical Discectomy And Fusion. Mayo BC, Massel DH, Modi K, Long WW, Markowitz JS, DiBattista JV, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3.
197. Cervical Sagittal Imbalance is Associated with a Higher Rate of Reoperation for Adjacent Segment Disease Following Anterior Cervical Discectomy and Fusion. Colman MW, Massel DH,

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- Mayo BC, Long WW, Modi KD, Singh K. Cervical Spine Research Society. Toronto, Canada. 2016 Dec 1-3
198. Basques BA, Louie PK, Shifflett GD, Mayo BC, Massel DH, Bohl DD, Singh K. The Effect of Surgeon Volume on Complications, Length of Stay, and Costs following Anterior Cervical Fusion. 2016 Cervical Spine Research Society Annual Meeting. Toronto, Ontario, Canada. December 1-3, 2016.
199. Ultrasonographic versus EMG properties of the Lumbar Plexus via a lateral retroperitoneal surgical approach: A Live Human Validation Study. Nguyen T, Orndorff DG, Myhre SL, Singh K., Youssef JA. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
200. Minimally Invasive Transforaminal Lumbar Interbody Fusion: Comparison of Low Versus High-Grade Isthmic Spondylolisthesis. Massel DH, Mayo BC, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
201. Treatment of Grade II Isthmic Spondylolisthesis: Comparison of Minimally Invasive Transforaminal and Anterior Lumbar Interbody Fusion. Mayo BC, Massel DH, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, Singh K. Society for Minimally Invasive Spine Surgery. Las Vegas, NV. 2016 Oct 13-15.
202. Multimodal versus Patient-Controlled Analgesia following Transforaminal Lumbar Interbody Fusion. Bohl DD, Massel DH, Mayo, BC, Louie PK, Phillips FM, Buvanendran A, Singh K. Las Vegas, NV. 2016 Oct 13-15.
203. Narcotic Consumption Following Anterior Cervical Discectomy and Fusion: A Comparison Between Hospital and Ambulatory-Based Surgery Centers. Massel D, Mayo C, Bohl D, Long W, Modi K, Hijji F, Markowitz J, Shoshana N, Singh K. American Academy of Orthopedic Surgeons. San Diego, CA. 2017 Mar 14-18.
204. Postoperative Outcomes Following Primary Minimally Invasive Transforaminal Lumbar Interbody Fusion with Unilateral or Bilateral Interbody Cages. Narain AS, Hijji FY, Mayo BC, Long WW, Kudaravalli KT, Yom KH, Shoshana NB, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
205. Inpatient Pain Scores Following Primary and Revision Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Mayo BC, Yom KH, Kudaravalli KT, Shoshana NB, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
206. Is Body Mass Index Associated with an Increased Risk for Revision after Minimally Invasive Transforaminal Lumbar Interbody Fusion? Narain AS, Hijji FY, Yom KH, Kudaravalli KT, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
207. Patient Knowledge Regarding Radiation Exposure from Spinal Imaging. Bohl DD, Hijji FY, Narain AS, Massel DM, Mayo BC, Kudaravalli KT, Yom KH, Manning B, Louie PK, Ahn J, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
208. Differences in Clinical Outcomes between Isthmic and Degenerative Spondylolisthesis following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DM, Mayo BC, Hijji FY,

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- Narain AS, Kudaravalli KT, Yom KH, Shoshana NB, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
209. Spinal Surgeon Variation in Single-level Cervical Fusion Procedures: A Cost and Hospital Resource Utilization Analysis. Hijji FY, Massel DM, Mayo BC, Narain AS, Kudaravalli KT, Burke R, Canar J, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
210. Preoperative Mental Health May Not Be Predictive of Improvements in Patient Reported Outcomes Following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DM, Bohl DD, Narain AS, Hijji FY, Yom KH, Kudaravalli KT, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
211. The Impact of Local Steroid Application on Dysphagia Following an Anterior Cervical Discectomy and Fusion: Preliminary Results of a Prospectively, Randomized, Single Blind Trial. Massel DM, Mayo BC, Ahn J, Bohl DD, Hijji FY, Narain AS, Yom KH, Kudaravalli KT, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
212. Postoperative Outcomes Based on American Society of Anesthesiologists Score after Minimally Invasive Transforaminal Lumbar Interbody Fusion. Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Shoshana NB, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
213. Complication Rates of Minimally Invasive Lateral Lumbar Interbody Fusion: A Systematic Review. Hijji FY, Narain AS, Bohl DD, Ahn J, Long WW, DiBattista J, Kudaravalli KT, Yom KH, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
214. Risk Factors for a Long Hospital Stay Following Transforaminal Lumbar Interbody Fusion. Mayo BC, Massel DM, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
215. The Effect of Surgeon Volume on Complications, Length of Stay and Costs following Anterior Cervical Fusion. Basques B, Louie PK, Mayo BC, Massel DM, Guzman J, Bohl DD, Narain AS, Hijji FY, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
216. Risk Factors Associated with Failure to Reach Minimal Clinically Important Difference in Patient Reported Outcomes Following Minimally Invasive Transforaminal Lumbar Interbody Fusion for Spondylolisthesis. Hijji FY, Narain AS, Bohl DD, Yom KH, Kudaravalli KT, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
217. Multimodal versus Patient Controlled Analgesia Following Transforaminal Lumbar Interbody Fusion. Bohl DD, Massel DM, Mayo BC, Louie PK, Hijji FY, Narain AS, Phillips FM, Buvanendran A, [Singh K](#). International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
218. Ultrasonographic versus EMG Properties of the Lumbar Plexus via a Lateral Retroperitoneal Surgical Approach: A Live Human Validation Study. Nguyen T, Orndoff D, Myhre S, [Singh K](#), Youssef J. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.

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219. Narcotic Consumption Following Anterior Cervical Discectomy and Fusion: A Comparison between Hospital and Ambulatory-based Surgery Centers. Mayo BC, Bohl DD, Narain AS, Hijji FY, Kudaravalli KT, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
220. Inpatient Pain Scores and Narcotic Utilization Based on American Society of Anesthesiologists Score after Cervical and Lumbar Spinal Fusion. Narain AS, Hijji FY, Long WW, Yom KH, Kudaravalli KT, Shoshana NB, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
221. Body Mass Index is Not Associated with Inpatient Pain Scores or Postoperative Narcotic Consumption following a Minimally Invasive Transforaminal Lumbar Interbody Fusion. Massel DM, Mayo BC, Bohl DD, Hijji FY, Narain AS, Kudaravalli KT, Yom KH, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.
222. The Effect of Smoking Status on Inpatient Pain Scores Following Transforaminal Lumbar Interbody Fusion. Hijji FY, Narain AS, Mayo BC, Massel DM, Yom KH, Kudaravalli KT, Singh K. International Society for the Advancement of Spine Surgery. Boca Raton, FL. 2017 Apr 12-14.

SURGICAL ADVISORY BOARDS

- Kyphon KAVIAR Study (8/2006-2015)
- Vital5 – Co-Founder (2012-Present)
TruVue Surgical – Co-Founder (2013-Present)
- Avaz Surgical – Co-Founder (2013-Present)

PRINCIPAL INVESTIGATOR IDE TRIALS

- Depuy Discover - Cervical Total Disc Arthroplasty
- AST Stabilimax – Lumbar Dynamic Stabilization
- Facet Solutions – Lumbar Facet Replacement

INVITED VISITING PROFESSOR LECTURSHIPS

- University of Florida – “Complications of MIS Spinal Surgery”. Jun 10-11th, 2010, Gainesville, FL.
- M.S. Ramaiah Learning Center, Bangalore, India – MIS TLIF: The Surgical Learning Curve, 2010.
- Columbia University, NY – “MIS Spine Surgery: The Good, the Bad, the Ugly”. May 24, 2012.
- International Medical Center – Jeddah Spine Summit, Jeddah, Saudi Arabia, 2013.
- Yale University, New Haven, CT – “The Surgeon Learning Curve: MIS Spine Surgery, Oct 2013.
- Hospital for Joint Diseases / NYU – “MIS Spine Surgery: The True Learning Curve”, New York, NY, Feb 2015.
- Keio University – “Lateral Based Spine Surgery: What Can be Accomplished?” – Tokyo, Feb 18, 2016.
- MIS Japanese National Meeting - “MIS Spine Surgery: The American Perspective”, Tokyo, Japan, 2016.

INTERNATIONAL SOCIETY LEADERSHIP POSITIONS

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- Spine Arthroplasty Society (SAS)
 - Program Committee, London (2008-9)
 - Research Committee (2008-9)
- Cervical Spine Research Society
 - Program Committee (2014-2016)
 - Member Survey Committee (2016-2019)
- Indian American Spine Alliance (2011-Present)
 - Founding Member
 - Board of Directors
- American Academy Orthopaedic Surgeons (AAOS)
 - Spine Program Committee (2014-19)
 - Critical Evaluator (2015-19)
 - Moderator, Thoracolumbar Deformity (2016)
 - Spine Program Committee Chairman AAOS National Meeting (2017-2020)
 - Liason Spine Content Committee (2017-2020)
- International Society for Advancement of Spine Surgery (ISASS)
 - Coding Committee (2014-Present)
 - Program Committee (2013-Present)
 - Co-Chair, Minimally Invasive Spine Surgery Program, San Diego, 2015
 - Chairman, Publications Committee (2015-Present)
- Society Minimally Invasive Spine Surgery (SMISS)
 - Program Committee (2014-Present)
 - Co-Chair, Spine Week Singapore, 2016
- Scoliosis Research Society (SRS)
 - IMAST Program Committee, 2014-16, Kuala Lumpur, Malaysia.
 - Coding Committee (2014-Present)
- North American Spine Society (NASS)
 - Robotics and Navigation Committee – (2014-Present)
 - Minimally Invasive Procedures Committee – (2014-Present)
 - Program Committee (2015-Present)
 - Abstract Reviewer (2015-Present)
 - NASS 2016 Summer Spine Meeting – Program Reviewer (2016)
 - Young Spine Surgeons Forum Executive Committee Member (2008-2010)
- Lumbar Spine Research Society (LSRS)
 - Planning Committee (2015-Present)

PROFESSIONAL ORGANIZATIONS

- North American Spine Society (2005-Present)
- American Academy of Orthopedic Surgeons (2007-Present)
- Lumbar Spine Research Society (2011-Present)
- International Society for the Advancement of Spine Surgery (2012-Present)
- Cervical Spine Research Society (2012-Present)
- Scoliosis Research Society (2015-Present)
 - Candidate Member – Scoliosis Research Society (2008-2014)
- Society Minimally Invasive Spine Surgery (2010-Present)
- International Society for Advancement of Spine Surgery (2010-Present)
- *President* - AMSA Surgical Observation committee (1999)
- American Medical Student Association (1995-1999)
- American Medical Association (1995-Present)

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REGIONAL EXECUTIVE / LEADERSHIP POSITIONS

- Midwest Orthopaedics at Rush Executive Committee (2008-Present)
- Board Member, OrthoCentrix Solutions (2014-2015)
- Marketing Committee MOR (2007-Present)
- Rush Orthopaedic Surgery Residency Selection Committee (2006-Present)
- Rush Spinal Surgery Fellowship Selection Committee (2005-Present)
- Rush Implant Valuation Committee (2010-Present)
- Chicago Orthopedic Society (1999-Present)
- Board Member (Treasurer) – Gold Coast Surgery Center (2013-2015)
- Atlanta Orthopedic Society (2004-2005)

FACULTY COURSES

- Emerging Technologies, Steamboat, CO 2009
- Young Spine Surgeons Symposium, Toronto, CA – NASS 2008
- Spine Technology Education Group, Cabo San Lucas (2005-Present)
- Spine Study Group, West Palm Beach, FL, (2006-Present)
- AAOS, Current Techniques in Spine Surgery, Chicago, IL, (2006-Present).
- AAOS-CSRS, Current Techniques in Spine Surgery, Chicago, IL, September 2015.
- ASSICON (Association of Spine Surgeons of India), Chennai, India, January 2009.
- NASS – Spine Across the Seas, Moderator, July 2007
- NASS – Spine Across the Seas, Moderator, July 2009
- Cervical Spine Research Society, Moderator, Salt Lake City, UT, December 2009.
- SAS – Moderator, New Orleans, LA, April 2010.
- LSRS – Instructional Course Lecture – MIS TLIF, Chicago, 2012.
- IASA – MIS Lumbar Techniques (Invited Guest Lecturer) – Bangalore, India, 2012.
- CSRS - Instructional Course Lecture (C1-2 Fusion) – Chicago, 2012
- NASS – Physician Practice Symposium – Dallas, 2012.
- NASS – Minimally Invasive Cadaveric Instructional Course – Dallas, 2012.
- LSRS – Instructional Course Lecture, Chicago, 2013
- NASS Technology Summit – Salt Lake City, UT 2013.
- SMISS – Instructional Course Lecture, Las Vegas, 2013
 - Research Abstract Reviewer
- SMISS – Global Forum, Miami, 2014
 - Research Abstract Reviewer
 - Program Committee Member
 - Moderator
- NASS – Complication Avoidance and Management in Minimally Invasive Spine Surgery, May 2014.
 - Course Chairman
- AAOS – Instructional Course Lecture – Complications in Minimally Invasive Spinal Surgery. New Orleans 2014.
- AAOS – Instructional Course Lecture – Degenerative Lumbar Spondylolisthesis, New Orleans 2014.
- AAOS – Moderator – Lumbar Deformity, New Orleans 2014.
- AAOS – Member, Program Committee 2015.
- ISASS – Instructional Course Lecture Cadaver Lab – Miami 2014.
- ISASS – Program Committee Member – Miami 2014.
- AAOS/ASSH – Board Review Course, Spinal Trauma, Chicago (2014-Present).
- NASS – Co-Chair, Complication Management in MIS Spine Surgery, Chicago 2014.

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- CSRS – Member, Program Committee, Orlando 2014.
- CSRS – Instructional Course Lecture, Orlando 2014.
- ISASS – Co-Chair, MIS Program Committee, San Diego, 2015.
- AAOS – Instructional Course Lecture, Las Vegas 2015
 - Complication Management in Minimally Invasive Spine Surgery
 - Head and Spine Injuries in Athletes: When to Worry?
 - Degenerative Spondylolisthesis: An Evidenced Based Assessment
 - Patient Reported Outcomes in Spine Surgery
- NASS – Complication Avoidance and Management in Minimally Invasive Spine Surgery, May 2015.
 - Course Co-Chairman
- NASS – Annual Meeting, Program Committee – Abstract Reviewer, Chicago, 2015.
- LSRS – Moderator, Instructional Course Lecture – Degenerative Scoliosis – Chicago, 2015.
- SMISS Global Forum 15 – Educational / Program Committee – Las Vegas, 2015.
- AAOS/CSRS – Cutting Edge Techniques, Chicago, 2015.
- CSRS – Instructional Course Lecture, San Diego, 2015.
- ISASS – Program Committee, Las Vegas, 2016.
- AAOS – Instructional Course Lecture, Orlando, 2016.
 - Complication Management in Minimally Invasive Spine Surgery
 - Head and Spine Injuries in Athletes: When to Worry?
 - Degenerative Spondylolisthesis: An Evidenced Based Assessment
 - MIS TLIF – Is the Evidence There?
 - Cervical Smack Down – Ask the Experts
- AAOS – Specialty Day, Orlando, 2016.
 - Outpatient Spinal Surgery, CSRS
 - MIS TLIF for the Treatment of Degenerative Spondylolisthesis, ISASS
- SMISS Spine Week – Co-Chairman, Singapore, 2016.
- SMISS Global Forum 2016 – Moderator / Program Committee
 - Moderator
 - Faculty – MIS TLIF
- ISASS – Annual International Meeting Chairman – Boca Raton, FL 2016.
- SMISS National Meeting – Las Vegas, 2016
 - MIS TLIF

INDUSTRY FACULTY COURSES

- Stryker Posterior Cervical Course, Ft. Lauderdale, FL, November 2006-2009.
- Stryker, Young Lions Symposium, Las Vegas, NV 2006-2009.
- Stryker, Chairman, Young Lions Symposium, Las Vegas, NV 2007.
- Stryker, Fellows Boot Camp, Las Vegas, NV 2006-2007.
- Stryker, Invited Guest Lecturer, MIS Spine Course, Monte Fiore Hospital, NYC, 2008.
- Stryker, Invited Guest Lecturer, MIS Spine Course, Mt. Sinai Hospital, NYC, 2013.
- Stryker, Advanced Posterior Cervical Instrumentation Course, Las Vegas, NV 2007.
- Stryker, Advanced Posterior Cervical Instrumentation Course, Denver, CO 2008.
- Stryker, Aging Spine Course, Ft. Lauderdale, FL, 2007-2008.
- Stryker, TRACS Committee Member, 2006-11.
- Depuy, Fellows Cadaver Course, Denver, CO 2008-2010.
- Depuy, Chairman, Spinal Surgery Complications Course, Raynham, MA 2010.
- Salient, Co-Chairman, Spine Surgery Fellows Course, Vail, CO 2012-2013.
- Globus, Spinal Deformity Course, NYC, 2013.

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- Globus, Complications in Spinal Surgery, San Diego, 2014.
- Depuy, MIS Spine Complications Course, Chicago, 2014.
- Depuy, MIS Spine Complications Course, Milwaukee, 2015.

NON-ACADEMIC ACHIEVEMENTS

- Varsity High School Tennis (1990-1993)
- Varsity High School Cross-Country (1990-1993)
- Red Cross F.A.S.T. Team (First Aid Service Team) (1990-1993)
- Colorado State Invitational Open Pro-Am Tennis Tournament (1990-99)
- *Editor* - Jefferson Medical College Class of 1999 Yearbook
- Jeff HOPE - Medical care to Philadelphia's homeless (1995-1999)
- *Volunteer* - Special Olympics, Philadelphia, PA (1995-1999)
- *Writer* - Jefferson student newspaper, "The Examiner" (1995-1999)
- *President* - MS³ (Medical Student) Tutoring Committee (1995-1999)
- Penn State Intramural Basketball (1993-1995)
- Jefferson Medical College Intramural Basketball (1995-1999)