



John Ratliff, MD, FACS

Professor of Neurosurgery and, by courtesy, of Orthopaedic Surgery at the Stanford University Medical Center

 Curriculum Vitae available Online

CLINICAL OFFICES

- **Stanford Neuroscience Health Center**

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Bio

BIO

Dr. John Ratliff is Professor and Vice Chair of Neurosurgery, Departmental Quality Officer, and Co-Director of the Spine and Peripheral Nerve Surgery Division. As a spine surgeon, he treats a diverse array of degenerative spinal conditions. He has a specific research emphasis on quality improvement, decreasing complications in spine surgery, and improving surgical treatment of intramedullary spinal cord tumors.

Dr. Ratliff has served on the Executive Committee of the Congress of Neurological Surgeons and the Joint Section of Disorders of Spine and Peripheral Nerves, is Treasurer for the Council of State Neurosurgical Societies, and is on the Board of Directors of Neuropoint Alliance. He is immediate past-chairman of the joint AANS/CNS Neurosurgery Quality Council.

CLINICAL FOCUS

- Adult reconstructive spinal surgery
- Spinal cord neoplasms
- Spinal stenosis
- Minimally invasive spinal surgery
- Spinal metastatic disease
- Spinal disc herniation
- Radiosurgery of spinal tumors
- Peripheral Nerve Neoplasms
- Neurological Surgery

ACADEMIC APPOINTMENTS

- Professor - Med Center Line, Neurosurgery
- Professor - Med Center Line (By courtesy), Orthopaedic Surgery

ADMINISTRATIVE APPOINTMENTS

- Instructor, New York University, Manhattan Veteran's Affairs Medical Center, Bellevue Medical Center, New York University, New York, New York, (2001-2002)
- Assistant Professor, Rush University School of Medicine, Chicago, Illinois, (2002-2005)
- Director of Spine and Peripheral Nerve Surgery, Rush University School of Medicine, Chicago, Illinois, (2002-2005)
- Assistant Professor, Thomas Jefferson University, Philadelphia, Pennsylvania, (2005-2008)
- Associate Professor, Thomas Jefferson University, Philadelphia, Pennsylvania, (2008-2011)
- Associate Professor, Stanford University School of Medicine, (2011- present)
- Co-Director, Division of Spine and Peripheral Nerve Surgery, Department of Neurosurgery, Stanford University, (2011- present)
- Chair, Quality Improvement Workgroup, American Association of Neurological Surgeons/Congress of Neurological Surgeons, (2010- present)
- Corresponding Secretary, Council of State Neurosurgical Societies, (2015-2016)
- Member at Large, Congress of Neurological Surgeons, (2014-2016)
- Vice Chair, Operations and Development, Department of Neurosurgery, Stanford University, (2013- present)

HONORS AND AWARDS

- Charlie Kuntz Scholar Award, AANS/CNS Disorders of Spine and Peripheral Nerves Joint Section (2016)
- Denise O'Leary Award for Clinical Excellence, Stanford University Hospital and Clinics Board of Directors (2015)
- Top Oral Platform Presentation, AANS/CNS Disorders of Spine and Peripheral Nerves Joint Section (2015)
- Stanford University Department of Neurosurgery Excellence in Education and Mentorship Award, Stanford University Department of Neurosurgery (2013)
- Walsh Foundation Research Grant, Walsh Foundation (2013)
- Orthopedic Research and Education Foundation research grant award, Orthopedic Research and Education Foundation (2012)
- Robert Florin, MD Award for Excellence in Research, American Association of Neurological Surgeons (2010)
- Brandeis University Health Policy Leaders Program Scholarship, American College of Surgeons (2009)
- Chicago Institute for Neurosurgery and Neuroresearch Foundation Research Grant, Chicago Institute of Neurosurgery and Neuroresearch Foundation (2003)

PROFESSIONAL EDUCATION

- Medical Education: Tulane University School of Medicine Registrar (1995) LA
- Board Certification: Neurological Surgery, American Board of Neurological Surgery (2005)
- Fellowship: New York University Medical Center (2002) NY
- Residency: Louisiana State University - New Orleans (2001) LA
- Internship: Louisiana State University - New Orleans (1996) LA
- MD, Tulane Medical School , Medicine (1995)

LINKS

- Lab Site: <http://neurosurgery.stanford.edu/research/ratliff/research.html>
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

At present, I am working on a prospective measure to assess the risk of complications in spine surgery procedures. I am studying the impact of patient disease process, choice of operative approach, and patient pre-operative comorbidities on complication occurrence. The goal of this effort will be to develop a clinical tool that may be used in patient counseling.

Presently, a prospectively developed measure of comorbidities is being modeled to ICD-9 nomenclature for use in the Nationwide Inpatient Sample database.

My longer term research goals are to develop clearer means of assessing outcomes in spine surgery procedures and developing patient-centered outcomes assessments that may be scalable for larger populations.

CLINICAL TRIALS

- MR Guided High Intensity Focused Ultrasound for Lumbar Back Pain, Not Recruiting
- Restore CLINICAL TRIAL, Not Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Vaishali Mittal

Publications

PUBLICATIONS

- **Expenditures and Health Care Utilization Among Adults With Newly Diagnosed LowBack and Lower Extremity Pain** *JAMA NETWORK OPEN*
Kim, L. H., Vail, D., Azad, T. D., Bentley, J. P., Zhang, Y., Ho, A. L., Fatemi, P., Feng, A., Varshneya, K., Desai, M., Veeravagu, A., Ratliff, J. K.
2019; 2 (5)
- **Expenditures and Health Care Utilization Among Adults With Newly Diagnosed Low Back and Lower Extremity Pain.** *JAMA network open*
Kim, L. H., Vail, D., Azad, T. D., Bentley, J. P., Zhang, Y., Ho, A. L., Fatemi, P., Feng, A., Varshneya, K., Desai, M., Veeravagu, A., Ratliff, J. K.
2019; 2 (5): e193676
- **A machine learning approach for predictive models of adverse events following spine surgery.** *The spine journal : official journal of the North American Spine Society*
Han, S. S., Azad, T. D., Suarez, P. A., Ratliff, J. K.
2019
- **Intracranial Hemorrhage in Deep Vein Thrombosis/Pulmonary Embolus Patients Without Atrial Fibrillation: Direct Oral Anticoagulants Versus Warfarin.** *Stroke*
Lamsam, L., Sussman, E. S., Iyer, A. K., Bhambhani, H. P., Han, S. S., Skirboll, S., Ratliff, J. K.
2018
- **Initial Provider Specialty is Associated with Long-term Opiate Use in Patients with Newly Diagnosed Low Back and Lower Extremity Pain.** *Spine*
Azad, T., Vail, D., Bentley, J., Han, S., Suarez, P., Varshneya, K., Mittal, V., Veeravagu, A., Desai, M., Bhattacharya, J., Ratliff, J.
2018
- **Predicting complication risk in spine surgery: a prospective analysis of a novel risk assessment tool.** *Journal of neurosurgery. Spine*
Veeravagu, A., Li, A., Swinney, C., Tian, L., Moraff, A., Azad, T. D., Cheng, I., Alamin, T., Hu, S. S., Anderson, R. L., Shuer, L., Desai, A., Park, et al
2017: 1-11
- **An assessment of data and methodology of online surgeon scorecards** *JOURNAL OF NEUROSURGERY-SPINE*
Xu, L. W., Li, A., Swinney, C., Babu, M., Veeravagu, A., Wolfe, S. Q., Nahed, B. V., Ratliff, J. K.
2017; 26 (2): 235-242
- **Predicting Occurrence of Spine Surgery Complications Using "Big Data" Modeling of an Administrative Claims Database** *JOURNAL OF BONE AND JOINT SURGERY-AMERICAN VOLUME*
Ratliff, J. K., Balise, R., Veeravagu, A., Cole, T. S., Cheng, I., Olshen, R. A., Tian, L.
2016; 98 (10): 824-834

- **Building an electronic health record integrated quality of life outcomes registry for spine surgery** *JOURNAL OF NEUROSURGERY-SPINE*
Azad, T. D., Kalani, M., Wolf, T., Kearney, A., Lee, Y., Flannery, L., Chen, D., Berroya, R., Eisenberg, M., Park, J., Shuer, L., Kerr, A., Ratliff, et al
2016; 24 (1): 176-185
- **Intraoperative Neuromonitoring in Single-Level Spinal Procedures A Retrospective Propensity Score-Matched Analysis in a National Longitudinal Database** *SPINE*
Cole, T., Veeravagu, A., Zhang, M., Li, A., Ratliff, J. K.
2014; 39 (23): 1950-1959
- **Usage of Recombinant Human Bone Morphogenetic Protein in Cervical Spine Procedures: Analysis of the MarketScan Longitudinal Database.** *journal of bone and joint surgery. American volume*
Cole, T., Veeravagu, A., Jiang, B., Ratliff, J. K.
2014; 96 (17): 1409-1416
- **The perils of comparative effectiveness, cost-effectiveness, and value of care research: lessons learned from washington state.** *Neurosurgery*
Ratliff, J. K.
2014; 61: 12-15
- **Impact of bone morphogenetic proteins on frequency of revision surgery, use of autograft bone, and total hospital charges in surgery for lumbar degenerative disease: review of the Nationwide Inpatient Sample from 2002 to 2008** *SPINE JOURNAL*
Dagostino, P. R., Whitmore, R. G., Smith, G. A., Maltenfort, M. G., Ratliff, J. K.
2014; 14 (1): 20-30
- **ASA grade and Charlson Comorbidity Index of spinal surgery patients: correlation with complications and societal costs** *SPINE JOURNAL*
Whitmore, R. G., Stephen, J. H., Vernick, C., Campbell, P. G., Yadla, S., Ghobrial, G. M., Maltenfort, M. G., Ratliff, J. K.
2014; 14 (1): 31-38
- **Revision rates and complication incidence in single- and multilevel anterior cervical discectomy and fusion procedures: an administrative database study** *THE SPINE JOURNAL*
Veeravagu, A., Cole, T., Jiang, B., Ratliff, J. K.
2013
- **Patient comorbidity score predicting the incidence of perioperative complications: assessing the impact of comorbidities on complications in spine surgery** **Clinical article** *JOURNAL OF NEUROSURGERY-SPINE*
Campbell, P. G., Yadla, S., Nasser, R., Malone, J., Maltenfort, M. G., Ratliff, J. K.
2012; 16 (1): 37-43
- **Geographic variation and regional trends in adoption of endovascular techniques for cerebral aneurysms** *JOURNAL OF NEUROSURGERY*
Smith, G. A., Dagostino, P., Maltenfort, M. G., Dumont, A. S., Ratliff, J. K.
2011; 114 (6): 1768-1777
- **Comparison of ICD-9 based, retrospective, and prospective assessments of perioperative complications assessment of accuracy in reporting** **Clinical article** *JOURNAL OF NEUROSURGERY-SPINE*
Campbell, P. G., Malone, J., Yadla, S., Chitale, R., Nasser, R., Maltenfort, M. G., Vaccaro, A., Ratliff, J. K.
2011; 14 (1): 16-22
- **Objective activity tracking in spine surgery: a prospective feasibility study with a low-cost consumer grade wearable accelerometer.** *Scientific reports*
Stienen, M. N., Rezaii, P. G., Ho, A. L., Veeravagu, A., Zygourakis, C. C., Tomkins-Lane, C., Park, J., Ratliff, J. K., Desai, A. M.
2020; 10 (1): 4939
- **Postoperative Complication Burden, Revision Risk, and Health Care Use in Obese Patients Undergoing Primary Adult Thoracolumbar Deformity Surgery** *GLOBAL SPINE JOURNAL*
Varshneya, K., Pangal, D. J., Stienen, M. N., Ho, A. L., Fatemi, P., Medress, Z. A., Herrick, D. B., Desai, A., Ratliff, J. K., Veeravagu, A.
2020
- **Lumboperitoneal and Ventriculoperitoneal Shunting for Idiopathic Intracranial Hypertension Demonstrate Comparable Failure and Complication Rates** *NEUROSURGERY*
Azad, T. D., Zhang, Y., Varshneya, K., Veeravagu, A., Ratliff, J. K., Li, G.
2020; 86 (2): 272-80

- **Evaluating Shunt Survival Following Ventriculoperitoneal Shunting with and without Stereotactic Navigation in Previously Shunt-Naïve Patients.** *World neurosurgery*
Jin, M. C., Wu, A., Azad, T. D., Feng, A., Prolo, L. M., Veeravagu, A., Grant, G. A., Ratliff, J., Li, G.
2020
- **Costs and Complications Associated with Resection of Supratentorial Tumors with and without the Operative Microscope in the United States.** *World neurosurgery*
Zhang, Y., Zhang, M., Lin, M., Gephart, M. H., Veeravagu, A., Ratliff, J. K., Li, G.
2020
- **Adult Spinal Deformity Surgery in Patients With Movement Disorders: A Propensity-matched Analysis of Outcomes and Cost.** *Spine*
Varshneya, K., Azad, T. D., Pendharkar, A. V., Desai, A., Cheng, I., Karikari, I., Ratliff, J. K., Veeravagu, A.
2020; 45 (5): E288–E295
- **Improving the Patient-Physician Relationship in the Digital Era - Transformation From Subjective Questionnaires Into Objective Real-Time and Patient-Specific Data Reporting Tools.** *Neurospine*
Maldaner, N., Desai, A., Gautschi, O. P., Regli, L., Ratliff, J. K., Park, J., Stienen, M. N.
2019; 16 (4): 712–14
- **Timing of Adjuvant Radiation Therapy and Risk of Wound-Related Complications Among Patients With Spinal Metastatic Disease** *GLOBAL SPINE JOURNAL*
Azad, T. D., Varshneya, K., Herrick, D. B., Pendharkar, A., Ho, A. L., Stienen, M., Zygourakis, C., Bagshaw, H. P., Veeravagu, A., Ratliff, J. K., Desai, A.
2019
- **Letter: Antibiotic Stewardship and Single-Dose Antibiotic Prophylaxis: A Word of Caution.** *Neurosurgery*
Ho, A. L., Stienen, M. N., Ratliff, J. K.
2019
- **Patterns of Opioid and Benzodiazepine Use in Opioid-Naive Patients with Newly Diagnosed Low Back and Lower Extremity Pain.** *Journal of general internal medicine*
Azad, T. D., Zhang, Y., Stienen, M. N., Vail, D., Bentley, J. P., Ho, A. L., Fatemi, P., Herrick, D., Kim, L. H., Feng, A., Varshneya, K., Jin, M., Veeravagu, et al
2019
- **Propensity-matched Comparison of Outcomes and Costs After Macroscopic and Microscopic Anterior Cervical Corpectomy Using a National Longitudinal Database.** *Spine*
Ho, A. L., Rezaei, P. G., Pendharkar, A. V., Sussman, E. S., Veeravagu, A., Ratliff, J. K., Desai, A. M.
2019; 44 (21): E1281–E1288
- **Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors** *NEUROSURGERY*
Chin, A. L., Fujimoto, D., Kumar, K. A., Tupper, L., Mansour, S., Chang, S. D., Adler, J. R., Gibbs, I. C., Hancock, S. L., Dodd, R., Li, G., Gephart, M., Ratliff, et al
2019; 85 (5): 708–16
- **Risks, costs, and outcomes of cerebrospinal fluid leaks after pediatric skull fractures: a MarketScan analysis between 2007 and 2015** *NEUROSURGICAL FOCUS*
Varshneya, K., Rodrigues, A. J., Medress, Z. A., Stienen, M. N., Grant, G. A., Ratliff, J. K., Veeravagu, A.
2019; 47 (5): E10
- **Conventional Versus Stereotactic Image-guided Pedicle Screw Placement During Posterior Lumbar Fusions: A Retrospective Propensity Score-matched Study of a National Longitudinal Database.** *Spine*
Pendharkar, A. V., Rezaei, P. G., Ho, A. L., Sussman, E. S., Veeravagu, A., Ratliff, J. K., Desai, A. M.
2019; 44 (21): E1272–E1280
- **Trends in Anterior Lumbar Interbody Fusion in the United States: A MarketScan Study From 2007 to 2014.** *Clinical spine surgery*
Varshneya, K., Medress, Z. A., Jensen, M., Azad, T. D., Rodrigues, A., Stienen, M. N., Desai, A., Ratliff, J. K., Veeravagu, A.
2019
- **TO THE EDITOR.** *Spine*
Azad, T. D., Vail, D., Ratliff, J. K.
2019; 44 (18): E1109–E1110

- **A Descriptive Analysis of Spinal Cord Arteriovenous Malformations: Clinical Features, Outcomes, and Trends in Management.** *World neurosurgery*
Varshneya, K., Pendharkar, A. V., Azad, T. D., Ratliff, J. K., Veeravagu, A.
2019
- **Laminectomy versus Corpectomy for Spinal Metastatic Disease-Complications, Costs, and Quality Outcomes.** *World neurosurgery*
Azad, T. D., Varshneya, K., Ho, A. L., Veeravagu, A., Sciubba, D. M., Ratliff, J. K.
2019
- **Objective measures of functional impairment for degenerative diseases of the lumbar spine: a systematic review of the literature** *SPINE JOURNAL*
Stienen, M. N., Ho, A. L., Staartjes, V. E., Maldaner, N., Veeravagu, A., Desai, A., Gautschi, O. P., Bellut, D., Regli, L., Ratliff, J. K., Park, J.
2019; 19 (7): 1276–93
- **Patient Satisfaction and Press Ganey Scores for Spine Versus Nonspine Neurosurgery Clinics.** *Clinical spine surgery*
Chen, Y., Johnson, E., Montalvo, C., Stratford, S., Veeravagu, A., Tharin, S., Desai, A., Ratliff, J., Shuer, L., Park, J.
2019
- **Socioeconomic Predictors of Surgical Resection and Survival for Patients With Osseous Spinal Neoplasms** *CLINICAL SPINE SURGERY*
Deb, S., Brewster, R., Pendharkar, A., Veeravagu, A., Ratliff, J., Desai, A.
2019; 32 (3): 125–31
- **Objective measures of functional impairment for degenerative diseases of the lumbar spine: a systematic review of the literature.** *The spine journal : official journal of the North American Spine Society*
Stienen, M. N., Ho, A. L., Staartjes, V. E., Maldaner, N., Veeravagu, A., Desai, A., Gautschi, O. P., Bellut, D., Regli, L., Ratliff, J. K., Park, J.
2019
- **Commentary: The Anatomy of Devalued Codes: The 63047 and the 22633.** *Neurosurgery*
Tumialan, L. M., Ratliff, J. K., Cheng, J.
2019; 84 (2): E122–E126
- **Quality Reporting in Neurological Surgery: Practice Adherence to Quality Payment Program Guidelines** *NEUROSURGERY*
Agarwal, N., Kashkoush, A., Baucom, E. T., Ratliff, J. K., Stroink, A. R., Council State Neurosurgical Soc
2019; 84 (2): 537–42
- **Initial Provider Specialty Is Associated With Long-term Opiate Use in Patients With Newly Diagnosed Low Back and Lower Extremity Pain** *SPINE*
Azad, T. D., Vail, D., Bentley, J., Han, S. S., Suarez, P., Varshneya, K., Mittal, V., Veeravagu, A., Desai, M., Bhattacharya, J., Ratliff, J. K.
2019; 44 (3): 211–18
- **Outcomes and costs following Ommaya placement with thrombocytopenia among US cancer patients.** *World neurosurgery*
Zhang, M., Zhang, Y., Zheng, E., Gephart, M. H., Veeravagu, A., Desai, A., Ratliff, J. K., Li, G.
2019
- **Reliability of the 6-minute walking test smartphone application.** *Journal of neurosurgery. Spine*
Stienen, M. N., Gautschi, O. P., Staartjes, V. E., Maldaner, N., Sosnova, M., Ho, A. L., Veeravagu, A., Desai, A., Zygourakis, C. C., Park, J., Regli, L., Ratliff, J. K.
2019: 1–8
- **Effect of Electronic Clinical Decision Support on Imaging for the Evaluation of Acute Low Back Pain in the Ambulatory Care Setting.** *World neurosurgery*
Chen, D., Bhambhani, H. P., Hom, J., Mahoney, M., Wintermark, M., Sharp, C., Ratliff, J., Chen, Y. R.
2019
- **Lumboperitoneal and Ventriculoperitoneal Shunting for Idiopathic Intracranial Hypertension Demonstrate Comparable Failure and Complication Rates.** *Neurosurgery*
Azad, T. D., Zhang, Y., Varshneya, K., Veeravagu, A., Ratliff, J. K., Li, G.
2019
- **Analysis of Outcomes and Cost of Inpatient and Ambulatory Anterior Cervical Disk Replacement Using a State-level Database.** *Clinical spine surgery*
Purger, D. A., Pendharkar, A. V., Ho, A. L., Sussman, E. S., Veeravagu, A., Ratliff, J. K., Desai, A. M.
2019
- **Socioeconomic Predictors of Surgical Resection and Survival for Patients With Osseous Spinal Neoplasms.** *Clinical spine surgery*
Deb, S., Brewster, R., Pendharkar, A. V., Veeravagu, A., Ratliff, J., Desai, A.

2018

- **Radiographic Rate and Clinical Impact of Pseudarthrosis in Spine Radiosurgery for Metastatic Spinal Disease.** *Cureus*
Zhang, M., Appelboom, G., Ratliff, J. K., Soltys, S. G., Adler, J. R., Park, J., Chang, S. D.
2018; 10 (11): e3631
- **Intraoperative analgesic regimens and surgical duration after spine surgery Response** *NEUROSURGICAL FOCUS*
O'Connell, C., Sun, E., Ratliff, J. K., Veeravagu, A.
2018; 45 (3)
- **Outpatient spine surgery: defining the outcomes, value, and barriers to implementation.** *Neurosurgical focus*
Pendharkar, A. V., Shahin, M. N., Ho, A. L., Sussman, E. S., Purger, D. A., Veeravagu, A., Ratliff, J. K., Desai, A. M.
2018; 44 (5): E11
- **Propensity-matched comparison of outcomes and cost after macroscopic and microscopic lumbar discectomy using a national longitudinal database.** *Neurosurgical focus*
Pendharkar, A. V., Rezaei, P. G., Ho, A. L., Sussman, E. S., Purger, D. A., Veeravagu, A., Ratliff, J. K., Desai, A. M.
2018; 44 (5): E12
- **Analysis of National Rates, Cost, and Sources of Cost Variation in Adult Spinal Deformity** *NEUROSURGERY*
Zygourakis, C. C., Liu, C. Y., Keefe, M., Moriates, C., Ratliff, J., Dudley, R., Gonzales, R., Mummaneni, P. V., Ames, C. P.
2018; 82 (3): 378–87
- **Geographic variation in the surgical management of lumbar spondylolisthesis: characterizing practice patterns and outcomes.** *The spine journal : official journal of the North American Spine Society*
Azad, T. D., Vail, D., O'Connell, C., Han, S. S., Veeravagu, A., Ratliff, J. K.
2018
- **Stabilization of the Craniocervical Junction Following Resection of Chordomas and Chondrosarcomas of the Skull Base and Spine** *CHORDOMAS AND CHONDROSARCOMAS OF THE SKULL BASE AND SPINE, 2ND EDITION*
Azad, T. D., Veeravagu, A., Ravikumar, V., Ratliff, J. K., Harsh, G. R., VazGuimaraes, F.
2018: 271–78
- **Preoperative depression, lumbar fusion, and opioid use: an assessment of postoperative prescription, quality, and economic outcomes.** *Neurosurgical focus*
O'Connell, C., Azad, T. D., Mittal, V., Vail, D., Johnson, E., Desai, A., Sun, E., Ratliff, J. K., Veeravagu, A.
2018; 44 (1): E5
- **Long-Term Update of Stereotactic Radiosurgery for Benign Spinal Tumors.** *Neurosurgery*
Chin, A. L., Fujimoto, D., Kumar, K. A., Tupper, L., Mansour, S., Chang, S. D., Adler, J. R., Gibbs, I. C., Hancock, S. L., Dodd, R., Li, G., Gephart, M. H., Ratliff, et al
2018
- **Conus Medullaris Dural Arteriovenous Fistula Arising From the Artery of the Filum Terminale: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
Lamsam, L., Quon, J., Fischbein, N., Iv, M., Dodd, R., Ratliff, J.
2018
- **Impact of Inpatient Venous Thromboembolism Continues After Discharge: Retrospective Propensity Scored Analysis in a Longitudinal Database** *CLINICAL SPINE SURGERY*
Li, A. Y., Azad, T. D., Veeravagu, A., Bhatti, I., Li, A., Cole, T., Desai, A., Ratliff, J. K.
2017; 30 (10): E1392–E1398
- **Stereotactic Radiosurgery for Benign Neurogenic Spinal Tumors**
Chin, A. L., Fujimoto, D. K., Tse, V., Chang, S. D., Adler, J. R., Gibbs, I. C., Dodd, R. L., Li, G., Gephart, M. H., Desai, A., Ratliff, J., Sachdev, S., Soltys, et al
ELSEVIER SCIENCE INC.2017: S186
- **Spine Stereotactic Radiosurgery: Outcomes and Predictors of Local Recurrence**
Kumar, K. A., Fujimoto, D. K., White, E. C., Ho, C. K., Azoulay, M., Gibbs, I. C., Adler, J. R., Chang, S. D., Hancock, S. L., Desai, A., Ratliff, J., Soltys, S. G., Choi, et al
ELSEVIER SCIENCE INC.2017: E86

- **A pilot study on the use of cerebrospinal fluid cell-free DNA in intramedullary spinal ependymoma** *JOURNAL OF NEURO-ONCOLOGY*
Connolly, I., Li, Y., Pan, W., Johnson, E., You, L., Vogel, H., Ratliff, J., Gephart, M.
2017; 135 (1): 29–36
- **Trends in Utilization and Cost of Cervical Spine Surgery Using the National Inpatient Sample Database, 2001 to 2013** *SPINE*
Liu, C. Y., Zygourakis, C. C., Yoon, S., Kliot, T., Moriates, C., Ratliff, J., Dudley, R., Gonzales, R., Mummaneni, P. V., Ames, C. P.
2017; 42 (15): E906–E913
- **Geographic and Hospital Variation in Cost of Lumbar Laminectomy and Lumbar Fusion for Degenerative Conditions** *NEUROSURGERY*
Zygourakis, C. C., Liu, C. Y., Wakam, G., Moriates, C., Boscardin, C., Ames, C. P., Mummaneni, P. V., Ratliff, J., Dudley, R., Gonzales, R.
2017; 81 (2): 331–40
- **Surgeon Procedure Volume and Complication Rates in Anterior Cervical Discectomy and Fusions: Analysis of a National Longitudinal Database.** *Clinical spine surgery*
Cole, T., Veeravagu, A., Zhang, M., Ratliff, J. K.
2017; 30 (5): E633-E639
- **Cranioplasty Complications and Costs: A National Population-Level Analysis Using the MarketScan Longitudinal Database.** *World neurosurgery*
Li, A., Azad, T. D., Veeravagu, A., Bhatti, I., Long, C., Ratliff, J. K., Li, G.
2017; 102: 209-220
- **Outpatient vs Inpatient Anterior Cervical Discectomy and Fusion: A Population-Level Analysis of Outcomes and Cost.** *Neurosurgery*
Purger, D. A., Pendharkar, A. V., Ho, A. L., Sussman, E. S., Yang, L., Desai, M., Veeravagu, A., Ratliff, J. K., Desai, A.
2017
- **The effect of socioeconomic status on gross total resection, radiation therapy and overall survival in patients with gliomas.** *Journal of neuro-oncology*
Deb, S., Pendharkar, A. V., Schoen, M. K., Altekruze, S., Ratliff, J., Desai, A.
2017
- **Diagnostic Utility of Intraoperative Neurophysiological Monitoring for Intramedullary Spinal Cord Tumors: Systematic Review and Meta-Analysis.** *Clinical spine surgery*
Azad, T. D., Pendharkar, A. V., Nguyen, V., Pan, J., Connolly, I. D., Veeravagu, A., Popat, R., Ratliff, J. K., Grant, G. A.
2017
- **Endoscopic vs. Microscopic Resection of Sellar Lesions-A Matched Analysis of Clinical and Socioeconomic Outcomes.** *Frontiers in surgery*
Azad, T. D., Lee, Y. J., Vail, D., Veeravagu, A., Hwang, P. H., Ratliff, J. K., Li, G.
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