



Corinna Zygourakis, MD

Associate Professor of Neurosurgery

 Curriculum Vitae available Online

CLINICAL OFFICE (PRIMARY)

- **Stanford Neuroscience Health Center**

213 Quarry Rd

MC 5957 FI 2

Palo Alto, CA 94304

Tel (650) 723-6469

Fax (650) 725-0390

ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

Kelly Cocco - Administrative Associate

Email kc091099@stanford.edu

Tel 650-723-5862

Bio

BIO

Dr. Corinna Zygourakis is an Associate Professor in the Department of Neurosurgery at Stanford University School of Medicine and a board-certified neurological surgeon who specializes in comprehensive surgical care of the adult spine, focusing on the treatment of complex spinal disorders, including spinal deformity, revision surgery, and spinal tumors. Dr. Zygourakis employs the latest minimally invasive, motion-sparing, and robotic surgical techniques to achieve the best outcomes for her patients. Her philosophy is to take care of patients with respect and compassion, as she would want her own family treated.

Dr. Zygourakis trained at the Johns Hopkins Hospital for her combined neurosurgery and orthopedic surgery complex spine fellowship, where she performed the first surgery internationally with the Globus Excelsius spinal robot. She completed her neurosurgery residency at the University of California, San Francisco, and obtained her M.D. degree cum laude from Harvard Medical School. She received her B.S. degree with honors from the California Institute of Technology, where she received a full merit scholarship and the Mabel Beckman Commencement Prize to the Top Graduating Woman in her class. She has received numerous awards including "Top 20 Under 40 Spine Surgeons" (SpineLine, North American Spine Society) and the Paul and Daisy National Fellowship for New Americans.

Committed to serving and advocating for spine patients through her clinical, education, and research efforts, Dr. Zygourakis has published more than one-hundred twenty scientific articles and book chapters on healthcare costs, quality of neurosurgical care, and spine surgery. Her current research efforts include developing and leading the first randomized clinical trial using the Apple Watch to objectively track patient movement and function before and after spine surgery, as well as multiple studies investigating the impact of race, gender, and socioeconomic status on spinal surgery access and outcomes.

At Stanford, Dr. Zygourakis is actively involved in quality improvement efforts and serves as the department Physician Improvement Lead, as well as the neurosurgery representative on the Stanford Hospital Medical Executive Committee and the Value Based OR Management Committee. She serves on the editorial boards of the premier journals Neurosurgery and Journal of Neurosurgery: Spine. Dr. Zygourakis is active nationally in organized

neurosurgery, serving on the Executive Committee of the AANS/CNS Spine Section and Women in Neurosurgery (WINS). She is also involved in global neurosurgery efforts through the World Federation of Neurosurgical Societies, particularly focused on underserved areas including sub-Saharan Africa and southeast Asia.

CLINICAL FOCUS

- Neurosurgery
- Spinal Deformity Surgery
- Spine Tumor Surgery
- Minimally Invasive Spine Surgery
- Robotic Spine Surgery
- Spinal Cord Injury

ACADEMIC APPOINTMENTS

- Associate Prof-Univ Med Line, Neurosurgery

HONORS AND AWARDS

- Byers Center for Biodesign Faculty Fellowship, Stanford University (2019-2020)
- Top 20 Under 40 Spine Surgeons, SpineLine, North American Spine Society (2019)
- High Impact Manuscript Award, Neurosurgery (2017)
- Best Senior Resident Clinical Research Presentation, Resident Research Day, University of California, San Francisco (2016)
- Excellence and Innovation Award in Graduate Medical Education, University of California, San Francisco (2016)
- Sustainability Award from UCSF Chancellor for Project on OR Waste, University of California, San Francisco (2016)
- UCSF Health "Great Save Award" from CEO for OR Surgical Cost Reduction Project, University of California, San Francisco (2016)
- CTSI Catalyst Award, Development of Doctor Mobile App that Decreases Costs, University of California, San Francisco (2015)
- Naffziger Award for Outstanding Neurosurgical Resident, University of California, San Francisco (2015)
- UCSF Center for Healthcare Value Research Fellowship, University of California, San Francisco (2015)
- Caring Wisely Grant, OR SCORE (OR Surgical Cost Reduction Project), University of California, San Francisco (2014)
- Cum Laude, Harvard Medical School (2011)
- Seidman Prize for Outstanding Senior HST Medical Student Thesis, Harvard Medical School (2011)
- Howard Hughes Medical Institute Research Fellowship for Medical Students, Howard Hughes Medical Institute (2008-2009)
- Paul and Daisy Soros National Fellowship for New Americans, Paul and Daisy Soros Foundation (2006-2008)
- Mabel Beckman Award, Caltech Commencement Prize to Top Graduating Woman, California Institute of Technology (2006)
- Jack E. Froehlich Award, Caltech Academic Prize to Top Junior, California Institute of Technology (2005)
- Axline and Lingle Awards, Caltech Full-Tuition Merit Scholarships, California Institute of Technology (2002-2006)
- Neuroscience Research Prize, American Academy of Neurology & Child Neurology Society (2002)
- USA Today All-USA High School Academic First Team, USA Today (2002)
- United States Presidential Scholar, U.S. Presidential Scholars Program (2002)

PROFESSIONAL EDUCATION

- Board Certification: Neurosurgery, American Board of Neurological Surgery (2021)
- Fellowship: Johns Hopkins Neurosurgery Spine Fellowship (2018) MD
- Residency: UCSF Neurological Surgery Residency (2017) CA

- Medical Education: Harvard Medical School (2011) MA
- Fellowship, Johns Hopkins Hospital , Complex Spine Fellowship, Depts of Neurosurgery & Orthopedic Surgery (2018)
- Residency, University of California, San Francisco , Neurological Surgery (2017)
- M.D., Harvard Medical School, Massachusetts Institute of Technology, Health Sciences and Technology Joint Program , Neuroscience Honors Thesis *Cum laude (2011)
- Study Abroad, Cambridge University , Physiology (2005)
- B.S., California Institute of Technology , Biology, English Literature *with honors (2006)

LINKS

- Medical Record Review: <https://stanfordhealthcare.org/second-opinion/medical-record-review.html>

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

My goal is to translate research into real-world action and decision-making so that my work can impact patients and the institutions in which they receive care. With a research focus on healthcare cost and quality of care, I approach neurosurgery in a unique way—one that applies business operations, economics, and healthcare delivery principles to our field. I have pursued formal LEAN business training, and believe in the importance of working together with other departments and administrators, as well as physicians and surgeons on the hospital and national level, to effect change. During my residency, I developed and led a multi-departmental prospective study at UCSF called OR SCORE (OR Surgical Cost Reduction Project) that brought together surgeons from the neurosurgery, orthopedics and ENT departments with nurses and administrators. OR SCORE successfully reduced surgical supply costs by nearly one million dollars in its first year by providing >60 surgeons with price transparency scorecards. This work led to a first-author publication in JAMA Surgery, but more importantly, set the foundation for further quality improvement and cost reduction efforts across the UCSF hospital system.

A volunteer neurosurgical mission trip to Guadalajara, Mexico, where limited resources create an OR environment that is strikingly more frugal than the U.S., inspired me to lead another project aimed at quantifying and reducing operating room waste at UCSF. I have also conducted research looking at the safety and outcomes of overlapping surgery, as well as several projects to define the factors underlying variation in cost for neurosurgical care using UCSF's hospital data and national databases like the National Inpatient Sample, Vizient (formerly known as University Health Consortium), and Medicare.

As a clinical fellow at Johns Hopkins, I continued and expanded these research efforts. I designed and implemented an Enhanced Recovery after Surgery (ERAS) protocol at the Johns Hopkins Bayview hospital. This protocol standardized care for our spine patients, emphasizing pre-operative rehabilitation, psychiatric and nutritional assessments, and smoking cessation, as well as intra- and post-operative multi-modal pain therapy, early mobilization, and standardized antibiotic and bowel regimens. I also collaborated with engineers in the Johns Hopkins Carnegie Center for Surgical Innovation to develop better algorithms for intra-operative CT imaging, and provided assistance with operations to a basic science study looking at the role of cerebrospinal fluid drainage and duraplasty in a porcine model of spinal cord injury.

At Stanford, I am building a research group focused on: (1) perfecting paradigms for delivery of high-end technology in spinal care, including robotics and navigation, (2) implementing cost and quality strategies in large healthcare systems, and (3) computational analysis of big-data to effect real-time risk stratification and decision making in spine surgery. I'm excited to collaborate with my peers across surgical and medical departments, as well as business and engineering colleagues.

CLINICAL TRIALS

- Improving Spine Surgical Care With Real-Time Objective Patient Tracking Using the Apple Watch, Recruiting

Teaching

STANFORD ADVISEES

Med Scholar Project Advisor

Maria Suarez-Nieto

Publications

PUBLICATIONS

- **Determining critical monitoring periods for accurate wearable step counts in patients with degenerative spine disorders.** *Scientific reports*
Gonzalez-Suarez, A. D., Maldaner, N., Tang, M., Fatemi, P., Leung, C., Desai, A., Tomkins-Lane, C., Han, S. S., Zygourakis, C.
2024; 14 (1): 19988
- **Provider's exposure to diversity contributes to socioeconomic disparities in lumbar and cervical fusion outcomes.** *World neurosurgery: X*
Touponse, G., Malacon, K., Li, G., Yoseph, E., Han, S., Zygourakis, C.
2024; 23: 100382
- **Gender Differences in Electronic Health Record Usage Among Surgeons.** *JAMA network open*
Malacon, K., Touponse, G., Yoseph, E., Li, G., Wei, P. J., Kicielski, K., Massie, L., Williamson, T., Han, S., Zygourakis, C.
2024; 7 (7): e2421717
- **Socioeconomic disparities in lumbar fusion rates were exacerbated during the COVID-19 pandemic.** *North American Spine Society journal*
Wu, J. Y., Tang, M., Touponse, G., Theologitis, M., Williamson, T., Zygourakis, C. C.
2024; 18: 100321
- **Standardizing Continuous Physical Activity Monitoring in Patients with Cervical Spondylosis.** *Spine*
Maldaner, N., Gonzalez-Suarez, A. D., Tang, M., Fatemi, P., Leung, C., Desai, A., Tomkins-Lane, C., Zygourakis, C.
2024
- **Demographic and Socioeconomic Trends in Cervical Fusion Utilization from 2004 through 2021 and the COVID-19 Pandemic.** *World neurosurgery*
Wu, J. Y., Touponse, G. C., Theologitis, M., Ahmad, H. S., Zygourakis, C. C.
2023
- **Standardizing Physical Activity Monitoring in Patients With Degenerative Lumbar Disorders.** *Neurosurgery*
Maldaner, N., Tang, M., Fatemi, P., Leung, C., Desai, A., Tomkins-Lane, C., Zygourakis, C.
2023
- **First spine surgery utilizing real-time image-guided robotic assistance.** *Computer assisted surgery (Abingdon, England)*
Ahmed, A. K., Zygourakis, C. C., Kalb, S., Zhu, A. M., Molina, C. A., Jiang, B., Blitz, A. M., Bydon, A., Crawford, N. R., Theodore, N.
2019: 1–5
- **Technique: open lumbar decompression and fusion with the Excelsius GPS robot.** *Neurosurgical focus*
Zygourakis, C. C., Ahmed, A. K., Kalb, S. n., Zhu, A. M., Bydon, A. n., Crawford, N. R., Theodore, N. n.
2018; 45 (VideoSuppl1): V6
- **Association Between Surgeon Scorecard Use and Operating Room Costs.** *JAMA surgery*
Zygourakis, C. C., Valencia, V. n., Moriates, C. n., Boscardin, C. K., Catschegn, S. n., Rajkomar, A. n., Bozic, K. J., Soo Hoo, K. n., Goldberg, A. N., Pitts, L. n., Lawton, M. T., Dudley, R. A., Gonzales, et al
2017; 152 (3): 284–91
- **Inequitable access to neurosurgical care in the United States** *FRONTIERS IN NEUROLOGY*
Liverani, L., Dwumfour-Poku, N., Zygourakis, C. C., Vaca, S. D.

2026; 17: 1850876

- **Use of patient-specific 3D reconstruction models for en bloc resection of primary thoracic vertebral sarcomas without formal spondylectomy: illustrative cases.** *Journal of neurosurgery. Case lessons*
Sanker, V., Dravid, A., Miller, R., Park, C., Cavagnaro, M. J., Jeon, I., Zygourakis, C., Desai, A.
2026; 11 (21)
- **A Nationwide Workforce Characterization of Neurosurgical Care in Postwar Vietnam.** *World neurosurgery*
Nguyen, H. H., Le, H. T., Theologitis, M., Nguyen Dao, L. T., Le, T. D., Duong, H. D., Pham, P. H., Park, K. B., Zygourakis, C. C.
2026: 124991
- **Radiation therapy and stereotactic radiosurgery for primary vertebral tumors** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Sharif, S., Siddiqui, U., Zygourakis, C., Zileli, M., Sekar, V.
2025; 42
- **Incidence, epidemiology, classification and radiology of primary vertebral tumors: WFNS spine committee recommendations** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Zhang, B., Zhang, C., Pojskic, M., Zileli, M., Sharif, S., Costa, F., Yaman, O., Gushcha, A. O., Zygourakis, C. C., Chen, Z.
2025; 42
- **Bone Optimization for Perioperative Spine Patients: A Multidisciplinary Approach at a Single Academic Center** *JOURNAL OF CLINICAL MEDICINE*
Suarez-Nieto, M., Malacon, K., Fox, A., Lopez Isidro, M., Wadhwa, H., Hu, S. S., Zygourakis, C. C.
2025; 14 (24)
- **Bone Optimization for Perioperative Spine Patients: A Multidisciplinary Approach at a Single Academic Center.** *Journal of clinical medicine*
Suarez-Nieto, M. V., Malacon, K., Fox, A., Lopez Isidro, M. C., Wadhwa, H., Hu, S. S., Zygourakis, C. C.
2025; 14 (24)
- **Management of spinal chordomas and sarcomas: WFNS spine committee recommendations** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Zileli, M., Gushcha, A. O., Sharif, S., Costa, F., Chen, Z., Yaman, O., Pojskic, M., Zygourakis, C. C.
2025; 42
- **Effect of Postoperative Nonsteroidal Anti-Inflammatory Drug Use on Surgical Outcomes in Multi- and Single-Level Posterior Cervical Fusions.** *Spine surgery and related research*
D Gonzalez-Suarez, A., Green, A., José Cavagnaro, M., Moya, E., Zygourakis, C., M Desai, A.
2025; 9 (5): 498-508
- **General evaluation and decision-making in primary vertebra tumors: WFNS spine committee recommendations** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Avci, I., Yaman, O., Zileli, M., Costa, F., Gushcha, A. O., Chen, Z., Pojskic, M., Zygourakis, C. C., Sharif, S.
2025; 42
- **Current trends and future prospects of language models and processing systems in spine surgery - a scoping review.** *Neurosurgical review*
Sanker, V., Nordin, E. O., Heesen, P., Elfadali, M. A., Anwar, M., Chintapalli, R. D., Cavagnaro, M. J., Zygourakis, C. C., Ratliff, J. K., Desai, A. M.
2025; 48 (1): 633
- **Cost-effectiveness of Surgery for Spinal Metastasis: A Systematic Review.** *Spine*
Heesen, P., Nordin, E. O., Sanker, V., Cavagnaro, M. J., Zygourakis, C. C., Ratliff, J., Desai, A. M.
2025
- **Management of benign primary vertebral tumors: WFNS spine committee recommendations** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Costa, F., Restelli, F., Innocenti, N., Zygourakis, C., Chen, Z., Pojskic, M., Yaman, O., Gushcha, A., Sharif, S., Zileli, M.
2025; 41
- **Pregnancy-Related Spinal Biomechanics: A Review of Low Back Pain and Degenerative Spine Disease.** *Bioengineering (Basel, Switzerland)*
Yoseph, E. T., Taiwo, R., Kiapour, A., Touponse, G., Massaad, E., Theologitis, M., Wu, J. Y., Williamson, T., Zygourakis, C. C.
2025; 12 (8)

- **Neurosurgical Resident Skill Development using a Novel Simulator-Based Anterior Cervical Discectomy and Fusion Curriculum.** *World neurosurgery*
Robertson, F. C., Zygourakis, C. C., Wu, J. Y., Malacon, K. E., Jean-Valery, C. C., Shankar, G. M., Stapleton, C. J., Spena, G., Giussani, C., Nahed, B. V., Nicolosi, F., Menna, G.
2025: 124257
- **Exoscope-Assisted Spine Surgery: A Systematic Review From Basic to Complex Pathologies.** *Cureus*
Sanker, V., Dv, V. K., Dawer, P., Dave, T., Banjan, T., Kattaa, A. H., Cavagnaro, M. J., Park, D. J., Chang, S. D., Zygourakis, C. C., Desai, A., Singh, H.
2025; 17 (7): e88450
- **Patient-specific 3D reconstruction models for sacral tumor resection: illustrative cases.** *Journal of neurosurgery. Case lessons*
Sanker, V., Gonzalez-Suarez, A. D., Innocenti, N., Cavagnaro, M. J., Jeon, I., Zygourakis, C., Desai, A.
2025; 9 (23)
- **Cost of Orthopaedic Trauma Surgery is Weakly Associated with Industry Payments to Surgeons.** *Journal of orthopaedic trauma*
Wadhwa, H., Touponse, G., Li, G., Bishop, J. A., Zygourakis, C. C.
2025
- **Association Between Nonsteroidal Anti-inflammatory Drugs Use and Surgical Outcomes Following Posterior Lumbar Fusion: A Medical Claims Database Analysis.** *International journal of spine surgery*
Gonzalez-Suarez, A. D., Green, A., Cavagnaro, M. J., Moya, E., Zygourakis, C., Desai, A. M.
2025
- **Use of Carbon Fiber Implants to Improve the Safety and Efficacy of Radiation Therapy for Spine Tumor Patients.** *Brain sciences*
Lam, F. C., Guru, S., AbuReesh, D., Hori, Y. S., Chuang, C., Liu, L., Wang, L., Gu, X., Szalkowski, G. A., Wang, Z., Wohlers, C., Tayag, A., Emrich, et al
2025; 15 (2)
- **Incidence, epidemiology, radiology, and classification of metastatic spine tumors: WFNS Spine Committee recommendations.** *Neurosurgical review*
Costa, F., Restelli, F., Innocenti, N., Zileli, M., Vaishya, S., Zygourakis, C., Pojskic, M., Yaman, O., Sharif, S.
2024; 47 (1): 853
- **Surgical options for metastatic spine tumors: WFNS spine committee recommendations.** *Neurosurgical review*
Zileli, M., Zygourakis, C., Niu, T., Gokaslan, Z., Peev, N., Sharif, S., Vaishya, S., Yaman, O., Costa, F., Pojskic, M.
2024; 47 (1): 821
- **In Reply: Women Neurosurgeons Worldwide: Characterizing the Global Female Neurosurgical Workforce.** *Neurosurgery*
Vaca, S. D., Theologitis, M., Zygourakis, C. C.
2024
- **Acute back pain: The role of medication, physical medicine and rehabilitation: WFNS spine committee recommendations.** *World neurosurgery: X*
Sharif, S., Jazaib Ali, M. Y., Kirazli, Y., Vlok, I., Zygourakis, C., Zileli, M.
2024; 23: 100273
- **Analyzing Large Language Models' Responses to Common Lumbar Spine Fusion Surgery Questions: A Comparison Between ChatGPT and Bard.** *Neurospine*
Lang, S. P., Yoseph, E. T., Gonzalez-Suarez, A. D., Kim, R., Fatemi, P., Wagner, K., Maldaner, N., Stienen, M. N., Zygourakis, C. C.
2024; 21 (2): 633-641
- **Acute back pain - Role of injection techniques and surgery: WFNS spine committee recommendations.** *World neurosurgery: X*
Peev, N., Zygourakis, C., Sippl, C., Grasso, G., Oertel, J., Sharif, S.
2024; 22: 100315
- **Lumbar disc herniation: Epidemiology, clinical and radiologic diagnosis WFNS spine committee recommendations.** *World neurosurgery: X*
Pojskic, M., Bisson, E., Oertel, J., Takami, T., Zygourakis, C., Costa, F.
2024; 22: 100279
- **Lumbar disc herniation: Prevention and treatment of recurrence: WFNS spine committee recommendations.** *World neurosurgery: X*

- Zileli, M., Oertel, J., Sharif, S., Zygourakis, C.
2024; 22: 100275
- **The role of conservative treatment in lumbar disc herniations: WFNS spine committee recommendations.** *World neurosurgery: X*
Yaman, O., Guchkha, A., Vaishya, S., Zileli, M., Zygourakis, C., Oertel, J.
2024; 22: 100277
 - **Acute back pain: Clinical and radiologic diagnosis: WFNS spine committee recommendations.** *World neurosurgery: X*
Gushcha, A. O., Sharif, S., Zileli, M., Oertel, J., Zygourakis, C. C., Yusupova, A. R.
2024; 22: 100278
 - **Acute low back pain: Epidemiology, etiology, and prevention: WFNS spine committee recommendations.** *World neurosurgery: X*
Oertel, J., Sharif, S., Zygourakis, C., Sippl, C.
2024; 22: 100313
 - **Role of surgery in primary lumbar disk herniation: WFNS spine committee recommendations.** *World neurosurgery: X*
Costa, F., Oertel, J., Zileli, M., Restelli, F., Zygourakis, C. C., Sharif, S.
2024; 22: 100276
 - **Cauda equina, conus medullaris and syndromes mimicking sciatic pain: WFNS spine committee recommendations.** *World neurosurgery: X*
Vaishya, S., Pojskic, M., Bedi, M. S., Oertel, J., Sippl, C., Robertson, S., Zygourakis, C.
2024; 22: 100274
 - **Getting What You Pay For: Impact of Copayments on Physical Therapy and Opioid Initiation, Timing, and Continuation for Newly Diagnosed Low Back Pain.** *The spine journal : official journal of the North American Spine Society*
Jin, M. C., Jensen, M., Barros Guinle, M. I., Ren, A., Zhou, Z., Zygourakis, C. C., Desai, A. M., Veeravagu, A., Ratliff, J. K.
2024
 - **Patient perspectives on AI: a pilot study comparing large language model and physician-generated responses to routine cervical spine surgery questions** *Artificial Intelligence Surgery*
Yoseph, E. T., Gonzalez-Suarez, A. D., Lang, S., Desai, A., Hu, S. S., Zygourakis, C. C.
2024
 - **Women Neurosurgeons Worldwide: Characterizing the Global Female Neurosurgical Workforce.** *Neurosurgery*
Vaca, S. D., Theologitis, M., Zygourakis, C. C.
2023
 - **Costs and Outcomes of Total Joint Arthroplasty in Medicare Beneficiaries Are Not Meaningfully Associated with Industry Payments.** *The Journal of bone and joint surgery. American volume*
Wadhwa, H., Leung, C., Sklar, M., Malacon, K., Rangwalla, T., Williamson, T., Castillo, T. N., Amanatullah, D. F., Zygourakis, C. C.
2023
 - **Thoracic and Lumbar Spine Injury: Evidence-Based Diagnosis, Management, and Outcomes.** *The American surgeon*
Gomez, G. I., Li, G. Q., Valido, A. A., Stoner, A. J., Bromley-Dulfano, R. A., Sheira, D., Gonzalez, C. A., Khan, S. I., Choi, J., Zygourakis, C. C., Weiser, T. G.
2023: 31348231216479
 - **Assessment of Romosozumab Treatment on Spine Bone Strength Using Biomechanical Computed Tomography Virtual Stress Tests**
Keaveny, T., Oates, M., Betah, D., Shi, Y., Timoshanko, J., Zygourakis, C., Bydon, M., Krohn, K., Ishikawa, K.
OXFORD UNIV PRESS.2023: 3
 - **Anabolic and Antiresorptive Osteoporosis Treatment: Trends, Costs, and Sequence in a Commercially Insured Population, 2003-2021.** *JBMR plus*
Wadhwa, H., Wu, J. Y., Lee, J. S., Zygourakis, C. C.
2023; 7 (10): e10800
 - **Socioeconomic Influence on Cervical Fusion Outcomes.** *Clinical spine surgery*
Touponse, G., Theologitis, M., Beach, I., Rangwalla, T., Li, G., Zygourakis, C.
2023

- **Anabolic and Antiresorptive Osteoporosis Treatment: Trends, Costs, and Sequence in a Commercially Insured Population, 2003-2021** *JBMR PLUS*
Wadhwa, H., Wu, J. Y., Lee, J. S., Zygourakis, C. C.
2023
- **Trends in Management of Osteoporosis Following Primary Vertebral Compression Fracture.** *Journal of the Endocrine Society*
Malacon, K., Beach, I., Touponse, G., Rangwalla, T., Lee, J., Zygourakis, C.
2023; 7 (7): bvad085
- **Trends, Payments, and Costs Associated with BMP Use in Medicare Beneficiaries Undergoing Spinal Fusion.** *The spine journal : official journal of the North American Spine Society*
Wadhwa, H., Wu, J. Y., Malacon, K., Ames, C., Ratliff, J., Zygourakis, C.
2023
- **Socioeconomic Effects on Lumbar Fusion Outcomes.** *Neurosurgery*
Touponse, G., Li, G., Rangwalla, T., Beach, I., Zygourakis, C.
2023
- **First reported use of machine vision image guided system for unstable thoracolumbar fusion: Technical case report** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*
Malacon, K., Fatemi, P., Zygourakis, C. C.
2022; 30
- **Utilization Trends, Cost, and Payments for Adult Spinal Deformity Surgery in Commercial and Medicare-Insured Populations.** *Neurosurgery*
Wadhwa, H., Leung, C., Sklar, M., Ames, C. P., Veeravagu, A., Desai, A., Ratliff, J., Zygourakis, C. C.
2022
- **Operative Versus Nonoperative Management of Unstable Spine Fractures in the Elderly: Outcomes and Mortality.** *Spine*
Malacon, K., Rangwalla, T., Wadhwa, H., Zygourakis, C.
2022
- **Health Care Resource Utilization in Management of Opioid-Naive Patients With Newly Diagnosed Neck Pain.** *JAMA network open*
Jin, M. C., Jensen, M., Zhou, Z., Rodrigues, A., Ren, A., Barros Guinle, M. I., Veeravagu, A., Zygourakis, C. C., Desai, A. M., Ratliff, J. K.
2022; 5 (7): e2222062
- **Modifiers of and Disparities in Palliative and Supportive Care Timing and Utilization among Neurosurgical Patients with Malignant Central Nervous System Tumors.** *Cancers*
Jin, M. C., Hsin, G., Ratliff, J., Thomas, R., Zygourakis, C. C., Li, G., Wu, A.
2022; 14 (10)
- **Trends in Intraoperative Assessment of Spinal Alignment: A Survey of Spine Surgeons in the United States.** *Global spine journal*
Gullotti, D. M., Soltanianzadeh, A. H., Fujita, S., Insemi, M., Ruppel, E. 3., Franconi, N. G., Zygourakis, C., Protosaltis, T., Lo, S. L., Sciubba, D. M., Theodore, N.
2022; 12 (2_suppl): 82S-86S
- **Appropriate Telemedicine Utilization in Spine Surgery: Results From a Delphi Study.** *Spine*
Iyer, S., Bovonratwet, P., Samartzis, D., Schoenfeld, A. J., An, H. S., Awwad, W., Blumenthal, S. L., Cheung, J. P., Derman, P. B., El-Sharkawi, M., Freedman, B. A., Hartl, R., Kang, et al
2022
- **Introduction. The neurosurgeon as roboticist.** *Neurosurgical focus*
Theodore, N., Chambless, L. B., Hartl, R., Zygourakis, C. C., Jiang, B., Protosaltis, T. S.
1800; 52 (1): E1
- **First case report using optical topographic-guided navigation in revision spinal fusion for calcified thoracic disk.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Sklar, M., Fatemi, P., Wadhwa, H., Leung, C., Zygourakis, C.
2021; 91: 80-83
- **Predictors of an academic career among fellowship-trained spinal neurosurgeons.** *Journal of neurosurgery. Spine*

Khalafallah, A. M., Jimenez, A. E., Shlobin, N. A., Larkin, C. J., Mukherjee, D., Zygourakis, C. C., Lo, S., Sciubba, D. M., Bydon, A., Witham, T. F., Dahdaleh, N. S., Theodore, N.
2021: 1-8

- **External validation of a predictive model of adverse events following spine surgery.** *The spine journal : official journal of the North American Spine Society*

Fatemi, P., Zhang, Y., Han, S. S., Purington, N., Zygourakis, C. C., Veeravagu, A., Desai, A., Park, J., Shuer, L. M., Ratliff, J. K.
2021

- **First reported use of real-time intraoperative computed tomography angiography image registration using the Machine-vision Image Guided Surgery system: illustrative case.** *Journal of neurosurgery. Case lessons*

Wadhwa, H., Malacon, K., Medress, Z. A., Leung, C., Sklar, M., Zygourakis, C. C.
2021; 1 (18): CASE2125

- **Commentary: Transdural Spinal Cord Herniation: An Exceptional Complication of Thoracoscopic Discectomy.** *Operative neurosurgery (Hagerstown, Md.)*

Jensen, M., Zygourakis, C.
2021

- **Telehealth Adoption Across Neurosurgical Subspecialties at a Single Academic Institution During the COVID-19 Pandemic.** *World neurosurgery*

Leung, C., Wadhwa, H., Sklar, M., Sheth, K., Loo, S., Ratliff, J., Zygourakis, C. C.
2021

- **Functional neurological disorders in patients undergoing spinal surgery: illustrative case.** *Journal of neurosurgery. Case lessons*

Yerneni, K., Wadhwa, H., Fatemi, P., Zygourakis, C. C.
2021; 1 (2): CASE2068

- **Functional neurological disorders in patients undergoing spinal surgery: illustrative case** *Journal of Neurosurgery: Case Lessons*

Yerneni, K., Wadhwa, H., Fatemi, P., Zygourakis, C. C.
2021; 1 (2)

- **First reported use of real-time intraoperative computed tomography angiography image registration using the Machine-vision Image Guided Surgery system: illustrative case** *Journal of Neurosurgery: Case Lessons*

Wadhwa, H., Malacon, K., Medress, Z. A., Leung, C., Sklar, M., Zygourakis, C. C.
2021

- **Posterior Vertebral Column Subtraction Osteotomy for Recurrent Tethered Cord Syndrome: A Multicenter, Retrospective Analysis.** *Neurosurgery*

Theodore, N., Cottrill, E., Kalb, S., Zygourakis, C., Jiang, B., Pennington, Z., Lubelski, D., Westbroek, E. M., Ahmed, A. K., Ehresman, J., Sciubba, D. M., Witham, T. F., Turner, et al
2020

- **Experience with an Enhanced Recovery After Spine Surgery protocol at an academic community hospital.** *Journal of neurosurgery. Spine*

Young, R., Cottrill, E., Pennington, Z., Ehresman, J., Ahmed, A. K., Kim, T., Jiang, B., Lubelski, D., Zhu, A. M., Wright, K. S., Gavin, D., Russo, A., Hanna, et al
2020: 1–8

- **Commentary: Predicting Postoperative Outcomes in Brain Tumor Patients With a 5-Factor Modified Frailty Index.** *Neurosurgery*

Zhang, M., Hayden Gephart, M., Zygourakis, C. C.
2020

- **Leptomeningeal spread with spinal involvement of pineal glioblastoma at initial presentation: A case report** *INTERDISCIPLINARY NEUROSURGERY-ADVANCED TECHNIQUES AND CASE MANAGEMENT*

Yerneni, K., Fatemi, P., Vogel, H., Li, G., Zygourakis, C. C.
2020; 21

- **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

- **Robot-Assisted versus Freehand Instrumentation in Short-Segment Lumbar Fusion: Experience with Real-Time, Image-Guided Spinal Robot.** *World neurosurgery*
Jiang, B. n., Pennington, Z. n., Azad, T. n., Liu, A. n., Ahmed, A. K., Zygourakis, C. C., Westbroek, E. M., Zhu, A. n., Cottrill, E. n., Theodore, N. n.
2020
- **Simultaneous Coccidioidomycosis and Phaeohyphomycosis in a Kidney Transplant Recipient: A Case Report and Literature Review.** *Transplant infectious disease : an official journal of the Transplantation Society*
Puing, A. G., Couture-Cossette, A. n., Wang, A. X., Zygourakis, C. C., Cheng, X. n., Stevens, B. A., Banaei, N. n., Novoa, R. A., Ho, D. Y., Subramanian, A. n.
2020: e13365
- **Systematic Review of Cost-Effectiveness Analyses in US Spine Surgery.** *World neurosurgery*
Chang, D. n., Zygourakis, C. C., Wadhwa, H. n., Kahn, J. G.
2020
- **Automatic analysis of global spinal alignment from simple annotation of vertebral bodies.** *Journal of medical imaging (Bellingham, Wash.)*
Doerr, S. A., De Silva, T. n., Vijayan, R. n., Han, R. n., Uneri, A. n., Ketcha, M. D., Zhang, X. n., Khanna, N. n., Westbroek, E. n., Jiang, B. n., Zygourakis, C. n., Aygun, N. n., Theodore, et al
2020; 7 (3): 035001
- **Does double-blind peer review impact gender authorship trends? An evaluation of two leading neurosurgical journals from 2010 to 2019.** *Journal of neurosurgery*
Mahajan, U. V., Wadhwa, H. n., Fatemi, P. n., Xu, S. n., Shan, J. n., Benzil, D. L., Zygourakis, C. C.
2020: 1–9
- **Association between Physician Industry Payments and Cost of Anterior Cervical Discectomy and Fusion in Medicare Beneficiaries.** *World neurosurgery*
Liu, C. n., Ahmed, K. n., Chen, C. L., Dudley, R. A., Gonzales, R. n., Orrico, K. n., Yerneni, K. n., Stienen, M. N., Veeravagu, A. n., Desai, A. n., Park, J. n., Ratliff, J. K., Zygourakis, et al
2020
- **Tenosynovial giant cell tumor of the suboccipital region - A rare, benign neoplasm in this location.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Singh, R. n., Stienen, M. N., Ganjoo, K. n., Kolahi, K. S., Cayrol, R. n., Charville, G. W., Born, D. E., Zygourakis, C. C.
2020
- **Digital transformation in spine research and outcome assessment.** *The spine journal : official journal of the North American Spine Society*
Maldaner, N. n., Tomkins-Lane, C. n., Desai, A. n., Zygourakis, C. C., Weyerbrock, A. n., Gautschi, O. P., Stienen, M. N.
2020; 20 (2): 310–11
- **The Effect of Renin-angiotensin System Blockers on Spinal Cord Dysfunction and Imaging Features of Spinal Cord Compression in Patients with Symptomatic Cervical Spondylosis.** *The spine journal : official journal of the North American Spine Society*
Perdomo-Pantoja, A., Chara, A., Kalb, S., Casaos, J., Ahmed, A., Pennington, Z., Cottrill, E., Shah, S., Jiang, B., Manbachi, A., Zygourakis, C., Witham, T. F., Theodore, et al
2019
- **Assessment of a triage protocol for emergent neurosurgical cases at a single institution.** *World neurosurgery*
Ehresman, J., Ahmed, A. K., Lubelski, D., Pennington, Z., Jiang, B., Zygourakis, C., Cottrill, E., Theodore, N.
2019
- **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. V., Ho, A. L., Stienen, M., Zygourakis, C., Bagshaw, H. P., Veeravagu, A., Ratliff, J. K., Desai, A.
2019: 2192568219889363
- **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

- **Known-component 3D image reconstruction for improved intraoperative imaging in spine surgery: A clinical pilot study.** *Medical physics*
Zhang, X., Uneri, A., Webster Stayman, J., Zygourakis, C. C., Lo, S. L., Theodore, N., Siewerdsen, J. H.
2019
- **Accuracy of Current Techniques for Placement of Pedicle Screws in the Spine: A Comprehensive Systematic Review and Meta-Analysis of 51,161 Screws** *WORLD NEUROSURGERY*
Perdomo-Pantoja, A., Ishida, W., Zygourakis, C., Holmes, C., Iyer, R. R., Cottrill, E., Theodore, N., Witham, T. F., Lo, S. L.
2019; 126: 664-+
- **Estimating a price point for cost-benefit of bone morphogenetic protein in pseudarthrosis prevention for adult spinal deformity surgery** *JOURNAL OF NEUROSURGERY-SPINE*
Safaei, M. M., Dalle Ore, C. L., Zygourakis, C. C., Deviren, V., Ames, C. P.
2019; 30 (6): 814-21
- **Accuracy of Current Techniques for Placement of Pedicle Screws in the Spine: A Comprehensive Systematic Review and Meta-Analysis of 51,161 Screws.** *World neurosurgery*
Perdomo-Pantoja, A., Ishida, W., Zygourakis, C., Holmes, C., Iyer, R. R., Cottrill, E., Theodore, N., Witham, T. F., Lo, S. L.
2019
- **Estimating a price point for cost-benefit of bone morphogenetic protein in pseudarthrosis prevention for adult spinal deformity surgery.** *Journal of neurosurgery. Spine*
Safaei, M. M., Dalle Ore, C. L., Zygourakis, C. C., Deviren, V., Ames, C. P.
2019: 1-8
- **Protocol for Urgent and Emergent Cases at a Large Academic Level 1 Trauma Center.** *Cureus*
Ahmed, K., Zygourakis, C., Kalb, S., Pennington, Z., Molina, C., Emerson, T., Theodore, N.
2019; 11 (1): e3973
- **Protocol for Urgent and Emergent Cases at a Large Academic Level 1 Trauma Center** *CUREUS*
Ahmed, K., Zygourakis, C., Kalb, S., Pennington, Z., Molina, C., Emerson, T., Theodore, N.
2019; 11 (1)
- **New spinal robotic technologies.** *Frontiers of medicine*
Jiang, B. n., Azad, T. D., Cottrill, E. n., Zygourakis, C. C., Zhu, A. M., Crawford, N. n., Theodore, N. n.
2019
- **First spine surgery utilizing real-time image-guided robotic assistance** *COMPUTER ASSISTED SURGERY*
Ahmed, A., Zygourakis, C. C., Kalb, S., Zhu, A. M., Molina, C. A., Jiang, B., Blitz, A. M., Bydon, A., Crawford, N. R., Theodore, N.
2019; 24 (1): 13-17
- **Reliability of the 6-minute walking test smartphone application.** *Journal of neurosurgery. Spine*
Stienen, M. N., Gautschi, O. P., Staartjes, V. E., Maldaner, N. n., Sosnova, M. n., Ho, A. L., Veeravagu, A. n., Desai, A. n., Zygourakis, C. C., Park, J. n., Regli, L. n., Ratliff, J. K.
2019: 1-8
- **Primum non nocere: robots and spinal surgery.** *Journal of spine surgery (Hong Kong)*
Zygourakis, C. C., Theodore, N.
2018; 4 (4): 810-11
- **Pedicle screw accuracy assessment in ExcelsiusGPS® robotic spine surgery: evaluation of deviation from pre-planned trajectory.** *Chinese neurosurgical journal*
Jiang, B., Karim Ahmed, A., Zygourakis, C. C., Kalb, S., Zhu, A. M., Godzik, J., Molina, C. A., Blitz, A. M., Bydon, A., Crawford, N., Theodore, N.
2018; 4: 23
- **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
- **Implementation and Impact of a Hospital-Wide Instrument Set Review: Early Experiences at a Multisite Tertiary Care Academic Institution.** *American journal of medical quality : the official journal of the American College of Medical Quality*
Yoon, S. n., Zygourakis, C. C., Seaman, J. n., Zhu, M. n., Ahmed, A. K., Kliot, T. n., Antrum, S. n., Goldberg, A. N.

2018; 1062860618783261

- **Center variation in episode-of-care costs for adult spinal deformity surgery: results from a prospective, multicenter database.** *The spine journal : official journal of the North American Spine Society*
Yeramaneni, S. n., Ames, C. P., Bess, S. n., Burton, D. n., Smith, J. S., Glassman, S. n., Gum, J. L., Carreon, L. n., Jain, A. n., Zygourakis, C. n., Avramis, I. n., Hostin, R. n.
2018; 18 (10): 1829–36
- **The unreimbursed costs of preventing revision surgery in adult spinal deformity: analysis of cost-effectiveness of proximal junctional failure prevention with ligament augmentation.** *Neurosurgical focus*
Safaei, M. M., Dalle Ore, C. L., Zygourakis, C. C., Deviren, V. n., Ames, C. P.
2018; 44 (5): E13
- **Immediate improvement of intraoperative monitoring signals following CSF release for cervical spine stenosis: Case report.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Pennington, Z. n., Zygourakis, C. n., Ahmed, A. K., Kalb, S. n., Zhu, A. n., Theodore, N. n.
2018; 53: 235–37
- **The Safety and Efficacy of CT-Guided, Fluoroscopy-Free Vertebroplasty in Adult Spinal Deformity Surgery.** *World neurosurgery*
Zygourakis, C. C., DiGiorgio, A. M., Crutcher, C. L., Safaei, M. n., Nicholls, F. H., Dalle Ore, C. n., Ahmed, A. K., Deviren, V. n., Ames, C. P.
2018; 116: e944–e950
- **Analysis of Cost Variation in Craniotomy for Tumor Using 2 National Databases.** *Neurosurgery*
Zygourakis, C. C., Liu, C. Y., Yoon, S., Moriates, C., Boscardin, C., Dudley, R. A., Lawton, M. T., Theodosopoulos, P., Berger, M. S., Gonzales, R.
2017; 81 (6): 972-979
- **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
- **Cost-Effectiveness Analysis of Surgical versus Medical Treatment of Prolactinomas.** *Journal of neurological surgery. Part B, Skull base*
Zygourakis, C. C., Imber, B. S., Chen, R., Han, S. J., Blevins, L., Molinaro, A., Kahn, J. G., Aghi, M. K.
2017; 78 (2): 125-131
- **Operating room waste: disposable supply utilization in neurosurgical procedures.** *Journal of neurosurgery*
Zygourakis, C. C., Yoon, S., Valencia, V., Boscardin, C., Moriates, C., Gonzales, R., Lawton, M. T.
2017; 126 (2): 620-625
- **Clinical utility and cost analysis of routine postoperative head CT in elective aneurysm clippings.** *Journal of neurosurgery*
Zygourakis, C. C., Winkler, E., Pitts, L., Hannegan, L., Franc, B., Lawton, M. T.
2017; 126 (2): 558-563
- **Comparison of Patient Outcomes in 3725 Overlapping vs 3633 Nonoverlapping Neurosurgical Procedures Using a Single Institution's Clinical and Administrative Database.** *Neurosurgery*
Zygourakis, C. C., Keefe, M. n., Lee, J. n., Barba, J. n., McDermott, M. W., Mummaneni, P. V., Lawton, M. T.
2017; 80 (2): 257–68
- **Sexual function after cervical spine surgery: Independent predictors of functional impairment.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Keefe, M. K., Zygourakis, C. C., Theologis, A. A., Canepa, E. n., Shaw, J. D., Goldman, L. H., Burch, S. n., Berven, S. n., Chou, D. n., Tay, B. n., Mummaneni, P. n., Deviren, V. n., Ames, et al
2017; 36: 94–101
- **Performing concurrent operations in academic vascular neurosurgery does not affect patient outcomes.** *Journal of neurosurgery*
Zygourakis, C. C., Lee, J. n., Barba, J. n., Lobo, E. n., Lawton, M. T.
2017; 127 (5): 1089–95

- **Comparison of Patient Outcomes and Cost of Overlapping Versus Nonoverlapping Spine Surgery.** *World neurosurgery*
Zygourakis, C. C., Sizzdahkhani, S. n., Keefe, M. n., Lee, J. n., Chou, D. n., Mummaneni, P. V., Ames, C. P.
2017; 100: 658–64.e8
- **Developing an algorithm for cost-effective, clinically judicious management of peripheral nerve tumors.** *Surgical neurology international*
Birk, H., Zygourakis, C. C., Kliot, M.
2016; 7: 80
- **Economic Impact of Revision Surgery for Proximal Junctional Failure After Adult Spinal Deformity Surgery: A Cost Analysis of 57 Operations in a 10-year Experience at a Major Deformity Center.** *Spine*
Theologis, A. A., Miller, L., Callahan, M., Lau, D., Zygourakis, C., Scheer, J. K., Burch, S., Pekmezci, M., Chou, D., Tay, B., Mummaneni, P., Berven, S., Deviren, et al
2016; 41 (16): E964-72
- **Predictors of Variation in Neurosurgical Supply Costs and Outcomes Across 4904 Surgeries at a Single Institution.** *World neurosurgery*
Zygourakis, C. C., Valencia, V. n., Boscardin, C. n., Nayak, R. U., Moriates, C. n., Gonzales, R. n., Theodosopoulos, P. n., Lawton, M. T.
2016; 96: 177–83
- **Preventing Delays in First-Case Starts on the Neurosurgery Service: A Resident-Led Initiative at an Academic Institution.** *Journal of surgical education*
Han, S. J., Rolston, J. D., Zygourakis, C. C., Sun, M. Z., McDermott, M. W., Lau, C. Y., Aghi, M. K.
2016; 73 (2): 291–95
- **The impact of a patient education bundle on neurosurgery patient satisfaction.** *Surgical neurology international*
Kliot, T., Zygourakis, C. C., Imershein, S., Lau, C., Kliot, M.
2015; 6 (Suppl 22): S567-72
- **Cervical Fracture Stabilization within 72 Hours of Injury is Associated with Decreased Hospitalization Costs with Comparable Perioperative Outcomes in a Propensity Score-Matched Cohort.** *Cureus*
Medress, Z., Arrigo, R. T., Hayden Gephart, M., Zygourakis, C. C., Boakye, M.
2015; 7 (1)
- **Pituicytomas and spindle cell oncocytomas: modern case series from the University of California, San Francisco.** *Pituitary*
Zygourakis, C. C., Rolston, J. D., Lee, H. S., Partow, C. n., Kunwar, S. n., Aghi, M. K.
2015; 18 (1): 150–58
- **Management of central nervous system teratoma.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zygourakis, C. C., Davis, J. L., Kaur, G. n., Ames, C. P., Gupta, N. n., Auguste, K. I., Parsa, A. T.
2015; 22 (1): 98–104
- **Transient pupillary dilation following local papaverine application in intracranial aneurysm surgery.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zygourakis, C. C., Vasudeva, V. n., Lai, P. M., Kim, A. H., Wang, H. n., Du, R. n.
2015; 22 (4): 676–79
- **Cost-effectiveness research in neurosurgery.** *Neurosurgery clinics of North America*
Zygourakis, C. C., Kahn, J. G.
2015; 26 (2): 189–96, viii
- **Surgery is cost-effective treatment for young patients with vestibular schwannomas: decision tree modeling of surgery, radiation, and observation.** *Neurosurgical focus*
Zygourakis, C. C., Oh, T., Sun, M. Z., Barani, I., Kahn, J. G., Parsa, A. T.
2014; 37 (5): E8
- **Medical errors in neurosurgery.** *Surgical neurology international*
Rolston, J. D., Zygourakis, C. C., Han, S. J., Lau, C. Y., Berger, M. S., Parsa, A. T.
2014; 5 (Suppl 10): S435-40
- **What do hotels and hospitals have in common? How we can learn from the hotel industry to take better care of patients.** *Surgical neurology international*
Zygourakis, C. C., Rolston, J. D., Treadway, J., Chang, S., Kliot, M.

2014; 5 (Suppl 2): S49-53

- **Management of planum/olfactory meningiomas: predicting symptoms and postoperative complications.** *World neurosurgery*
Zygourakis, C. C., Sughrue, M. E., Benet, A. n., Parsa, A. T., Berger, M. S., McDermott, M. W.
2014; 82 (6): 1216–23
- **Morbidity of repeat transsphenoidal surgery assessed in more than 1000 operations.** *Journal of neurosurgery*
Jahangiri, A. n., Wagner, J. n., Han, S. W., Zygourakis, C. C., Han, S. J., Tran, M. T., Miller, L. M., Tom, M. W., Kunwar, S. n., Blevins, L. S., Aghi, M. K.
2014; 121 (1): 67–74
- **Modern treatment of 84 newly diagnosed craniopharyngiomas.** *Journal of clinical neuroscience : official journal of the Neurosurgical Society of Australasia*
Zygourakis, C. C., Kaur, G. n., Kunwar, S. n., McDermott, M. W., Madden, M. n., Oh, T. n., Parsa, A. T.
2014; 21 (9): 1558–66
- **Trends in the diagnosis and treatment of pediatric primary spinal cord tumors.** *Journal of neurosurgery. Pediatrics*
Hayden Gephart, M. G., Lober, R. M., Arrigo, R. T., Zygourakis, C. C., Guzman, R., Boakye, M., Edwards, M. S., Fisher, P. G.
2012; 10 (6): 555-559
- **Trends in the diagnosis and treatment of pediatric primary spinal cord tumors Clinical article JOURNAL OF NEUROSURGERY-PEDIATRICS**
Gephart, M. G., Lober, R. M., Arrigo, R. T., Zygourakis, C. C., Guzman, R., Boakye, M., Edwards, M. S., Fisher, P. G.
2012; 10 (6): 555-559
- **Venous Thromboembolism After Thoracic/Thoracolumbar Spinal Fusion WORLD NEUROSURGERY**
Gephart, M. G., Zygourakis, C. C., Arrigo, R. T., Kalanithi, P. S., Lad, S. P., Boakye, M.
2012; 78 (5): 545-552
- **Retrospective, Propensity Score-Matched Cohort Study Examining Timing of Fracture Fixation for Traumatic Thoracolumbar Fractures JOURNAL OF NEUROTRAUMA**
Boakye, M., Arrigo, R. T., Gephart, M. G., Zygourakis, C. C., Lad, S.
2012; 29 (12): 2220-2225
- **Immunotherapy for glioma: promises and challenges.** *Neurosurgery clinics of North America*
Han, S. J., Zygourakis, C. n., Lim, M. n., Parsa, A. T.
2012; 23 (3): 357–70
- **Delayed development of os odontoideum after traumatic cervical injury: support for a vascular etiology.** *Journal of neurosurgery. Pediatrics*
Zygourakis, C. C., Cahill, K. S., Proctor, M. R.
2011; 7 (2): 201–4
- **Nitric oxide-generating hydrogels inhibit neointima formation.** *Journal of biomaterials science. Polymer edition*
Masters, K. S., Lipke, E. A., Rice, E. E., Liel, M. S., Myler, H. A., Zygourakis, C., Tulis, D. A., West, J. L.
2005; 16 (5): 659-72
- **Quantitative trait loci modulate ventricular size in the mouse brain JOURNAL OF COMPARATIVE NEUROLOGY**
Zygourakis, C. C., Rosen, G. D.
2003; 461 (3): 362-369