

Jacob B. Archer, MD, MBA

Curriculum Vitae

Neuroscience Specialists, P.C. · 14100 Parkway Commons Drive, Suite 100 · Oklahoma City, OK 73134

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EDUCATION

Indiana University	June 2022
Complex Spine Fellowship	
Indiana University	June 2022
Neurosurgical Residency	
Indiana University, Kelly School of Business	May 2022
Master of Business Administration	
Certificate of Business in Life Science — November 2019	
University of Oklahoma College of Medicine, Oklahoma City, OK	May 2015
Doctor of Medicine	
USMLE Step 1: 256 Step 2: 251 Step 3: 238	
Texas Christian University, Fort Worth, TX	2011
Bachelor of Science, Neuroscience, <i>magna cum laude</i>	

EXPERIENCE

Neuroscience Specialists, P.C., Oklahoma City, OK	January 2025–Present
Neurosurgeon	
Oklahoma Spine Hospital	July 2022–December 2024
Surgeon	
Indiana University	July 2021–June 2022
Director of Spine ERAS Implementation	
<i>Teaching</i>	
Human Anatomy Teaching Assistant	June 2012–July 2012
Guided dissections and prepared/graded practical exams	
Kaplan MCAT Instructor	June 2010–March 2012
Lead instructor for MCAT preparation classes	
Campus Tutor: Organic Chemistry, Biology, & General Chemistry	Aug. 2009–May 2011
Comparative Vertebrate Anatomy Teaching Assistant	Aug. 2009–Dec. 2009
Guided dissections and prepared/graded practical exams	

Principles of Biology Teaching Assistant

Aug. 2008–May 2009

Guided experiments and prepared/graded practical exams

COURSES

GammaKnife Course — Pittsburgh, PA	March 2022
SNS RUNN Course — Woods Hole, MA	October 2018
Chicago Review Course in Neurological Surgery — Chicago, IL	February 2018
SNS Junior Resident Course — St. Louis, MO	April 2016
SNS Intern Boot Camp — Chicago, IL	July 2015

VOLUNTEER ACTIVITIES

IU GME House Staff Forum — Neurosurgery Representative	2019–2021
Blood & Thunder — Editorial Board Member	2014
Exam Review Committee Member	Aug. 2011–Dec. 2011

HONORS AND AWARDS

Alpha Omega Alpha Honor Medical Society (AOA)	2014
1st Place Poster & Abstract — OUHSC Stevenson Cancer Center Symposium	Jan. 2014
Class of 1945 Scholarship	2014
Second Century Medical Scholarship	2013
A Ray Wiley Scholarship	2012
Freda Sornsen Plummer Scholarship	2011

MEMBERSHIPS AND ASSOCIATIONS

Congress of Neurological Surgeons
American Association of Neurological Surgeons
North American Spine Society
American Board of Neurological Surgery — Board Certified (#241046054)
Indiana Medical License #11018403A
Oklahoma Medical License #38587

PUBLICATIONS

1. House H, **Archer JB**, Bradbury J. Primary spinal melanoma: illustrative case. *Journal of Neurosurgery: Case Lessons*. November 15, 2021. 2021

2. **Archer JB**, Flint K, Mendenhall SK, Mobasser JP. Unilateral versus bilateral facetectomy and its effect on segmental lordosis and disc height in MIS TLIF. *Journal of Spine Research and Surgery*. May 20, 2020. 2020
3. **Archer JB**, Thatikunta M, Jea A. Posterior transdural approach for odontoidectomy in a child: case report. *Journal of Neurosurgery: Pediatrics*. January 2020. [Cover Article] 2020
4. Huh A, **Archer JB**, Fulkerson DH. Filum terminal ependymoma of infant with meningocele. *JNS Pediatrics*. January 10, 2020. 2020
5. Ordaz JD, **Archer JB**, Lee AE. Prepontine Baclofen Catheter Placement: A Case Report and Technical Illustration. *Interdisciplinary Neurosurgery*. December 27, 2019. 2019
6. Fulkerson DH, Weyhenmeyer J, **Archer JB**, Shaikh KA, Walsh M. Thromboelastography-Guided Therapy of Hemorrhagic Complications after Craniopharyngioma Resection: Case-Based Update. *Pediatric Neurosurgery*. August 7, 2019. 2019
7. White IK, Tuohy M, **Archer JB**, Schroeder GD, Vaccaro AR, Mobasser JP. The Use of Bone Morphogenetic Protein in the Intervertebral Disk Space in Minimally Invasive Transforaminal Lumbar Interbody Fusion: 10-Year Experience in 688 Patients. *Clinical Spine Surgery*. July 2019. 2019
8. White IK, Tuohy M, **Archer JB**, Mobasser JP. Decreased Radiation Exposure Using Navigated Minimally Invasive Transforaminal Lumbar Interbody Fusion Compared to Fluoroscopy. *Journal of Orthopaedics and Bone Research*. April 12, 2019. 2019
9. **Archer JB**, Yaacoub AP, Angulo-Parker F, Fritsch G, Riner S, Coon A, Johnson SK, Delima S, Jea A, Raskin JS. Pre- and Postoperative Gait Analysis and Video for Selective Dorsal Rhizotomy in Spastic Diplegia: 2-Dimensional Operative Video. *Operative Neurosurgery*. December 27, 2018. 2018
10. **Archer JB**, Jea A. Spinal Column Shortening for Secondary Tethered Cord Syndrome in Children: 2-Dimensional Operative Video. *Operative Neurosurgery*. August 30, 2018. 2018
11. Aljuboori Z, **Archer JB**, Huff WX, Moreno A, Jea A. Placement of baclofen pump catheter through a C1-2 puncture: technical note. *Journal of Neurosurgery: Pediatrics* 21(4):1-6. January 2018. 2018
12. **Archer JB**, Huff WX, Jea A. Letter to the Editor: Presentation of extrapontine myelinolysis associated with hypernatremia in an infant: a case report. *Child's Nervous System* 33(11). September 2017. 2017
13. Bonney PA, Burks JD, Conner AK, Glenn CA, Baker CM, Cheema AA, **Archer JB**, Buster BE, Albrecht RM, Bohnstedt BN. Vertebral artery injury in patients with isolated transverse process fractures. *Journal of Clinical Neuroscience*. July 2017. 2017
14. Burks JD, Conner AK, Bonney PA, **Archer JB**, Christensen B, Smith J, Safavi-Abbasi S, Sughrue ME. Management of Intracranial Meningiomas Using Keyhole Techniques. *Cureus* 8(4): e588. April 27, 2016. 2016
15. Safavi-Abbasi S, Mapstone TB, **Archer JB**, Wilson C, Theodore N, Spetzler RF, Preul MC. History of the current understanding and management of tethered spinal cord. *Journal of Neurosurgery: Spine*. March 11, 2016. 2016

16. Safavi-Abbasi S, Komune N, Sun H, **Archer JB**, Theodore N, James J, Little AS, Nakaji P, Sughrue ME, Rhoton AL, Spetzler RF. Surgical anatomy and utility of pedicled vascularized tissue flaps for multilayered repair of skull base defects. *Journal of Neurosurgery*. November 27, 2015. 2015
17. **Archer JB**, Hiebert J, Bonney PA, Sanclement JA, James J, Sughrue ME, Safavi-Abbasi S. Extensive traumatic anterior skull base fractures with cerebrospinal fluid leak: classification and repair techniques using combined vascularized tissue flaps. *Journal of Neurosurgery*. October 16, 2015. 2015
18. Safavi-Abbasi S, Maurer AJ, **Archer JB**, Hanel RA, Sughrue ME, Theodore N, Preul MC. From the Notch to a Glioma Grading System: The neurological contributions of James Watson Kernohan. *Neurosurgery Focus* 36(4), E4. 2014. 2014

ORAL PRESENTATIONS

1. Mobasser D, Mobasser JP, **Archer JB**, Mendenhall SK. Unilateral vs Bilateral Facetectomy and its Effects on Segmental Lordosis and Disc Height in MIS TLIF. SMISS Annual Meeting. October 2020
2. Mobasser JP, **Archer JB**. The Use of Bone Morphogenetic Protein in the Intervertebral Disc Space in Minimally Invasive Transforaminal Lumbar Interbody Fusion: 10-Year Experience in 688 Patients. SMISS Annual Meeting, Las Vegas, NV. September 2019
3. Ducis K, Anokwute M, **Archer JB**, Jea A. Spinal Column Shortening for Secondary Tethered Cord Syndrome in the Pediatric Age Group. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting. December 2018
4. **Archer JB**, White I, Touey M, Mobasser JP. The Use of Bone Morphogenetic Protein in the Intervertebral Disk Space in MIS TLIF: 10-Year Experience in 688 Patients. Oral Presentation at CNS Annual Meeting, DSPN Section Session, Houston, TX. October 2018

POSTER PRESENTATIONS

1. **Archer JB**, Mobasser JP. Decreased Radiation Exposure to Patients and OR Staff using Fully Navigated Minimally Invasive Transforaminal Lumbar Interbody Fusion Compared to Fluoroscopic Guided Counterpart. CNS Annual Meeting, Houston, TX. October 2018
2. **Archer JB**, Aykroyd L, Hutchinson E, Singh R, Rodgers R. Early Resumption of Anticoagulation in Mechanical Valve Patients with Intracerebral Hemorrhage. CNS Annual Meeting, San Diego, CA. September 2016
3. Bonney PA, Conner AK, Cheema AA, **Archer JB**, Smitherman AD, Bohnstedt BN. Vertebral Arterial Injury in Patients with Isolated Transverse Process Fractures. CNS Annual Meeting, New Orleans, LA. September 2015
4. **Archer JB**, Safavi-Abbasi S, Komune N, Sughrue ME, Rhoton AL, Little A, Sanclement J, Spetzler RF, Sun H. Extensive Anterior Cranial Base Fractures: Anatomic and Surgical Description of Combination Flaps. *Journal of Neurological Surgery Part B: Skull Base* 76(S 01). 2015. February 2015
5. **Archer JB**, Safavi-Abbasi S, Sughrue ME, James J, Little A, Hiebert J, Spetzler RF. Classification and Repair of Extensive Anterior Skull Base Fractures. *Journal of Neurological Surgery Part B: Skull Base* 76(S 01). 2015. February 2015

6. Safavi-Abbasi S, Maurer AJ, **Archer JB**, Hanel RA, Sughrue ME, Theodore N, Preul MC. From the Notch to a Glioma Grading System: The Neurological Contributions of James Watson Kernohan. 82nd AANS Annual Scientific Meeting, San Francisco. April 2014
7. **Archer JB**, Maurer AJ, Bonney PA, Randawa P, Mannava S, Verity P, Ebeling P, Sughrue ME. Surgical Nuances of Microsurgical Keyhole and Endoscopic Approaches for Resection of Meningiomas. OUHSC Stevenson Cancer Center Symposium. January 2014
8. Safavi-Abbasi S, Maurer AJ, **Archer JB**, Sughrue ME. Surgical Nuances of Microsurgical Keyhole and Endonasal Endoscopic Approaches for Management of Intracranial Meningiomas. *Journal of Neurological Surgery Part B: Skull Base* 75(S 01): A224. 2014. February 2014
9. Sughrue ME, Maurer AJ, Safavi-Abbasi S, **Archer JB**, Sanclement JA. Shifting Paradigm from Binostril to Uninostril Endonasal Endoscopic Management of Pituitary Adenomas. *Journal of Neurological Surgery Part B: Skull Base* 75(S 02): a152. 2014. June 2014