

Jock C. Lillard, MD

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Education

University of Tennessee / Semmes Murphey Clinic, Department of Neurosurgery Memphis, TN
Resident Physician 07/2018 – Present
USMLE STEP 1-3: Passed
ABNS Primary Exam 05/20: Passed
Completing a CAST accredited MIS and complex spine fellowship with Drs. Kevin Foley and Paul Park in 2025.

University of Tennessee Health Science Center, College of Medicine Memphis, TN
Candidate: Doctor of Medicine (MD)-Magna Cum Laude 08/2014 - 05/2018

Mississippi College Clinton, MS
Master of Science in Biological Sciences 07/2012 - 01/2014

University of Tennessee Knoxville, TN
Bachelor of Science in Biochemistry, cellular and molecular biology 08/2006 - 05/2011

Honors:

- 2017: Alpha Omega Alpha inductee
- 2017: Bland W. Cannon scholarship recipient
- 2017: Imhotep society inductee
- 2016-18: Dorothy M. Snider scholarship recipient
- 2016-18: Billy & Sally Gore scholarship recipient
- 2015-16: AMA Medical Scholars Fund recipient
- 2015: Albert Rhoton Medical Student Summer Fellow
- 2015: Church Health Center's "Serving the Underserved" Certificate of Achievement

Research Experience

St. Jude Children's Research Hospital, Memphis, TN 05/2016 - Present
Research Assistant- Data collection, statistical analysis, manuscript writing and editing for the department of neurosurgery

The Rhoton Collection- 3D Neuroanatomical Presentations, Memphis, TN 05/2014 - Present
Research Assistant- Neuroanatomy editor including video presentations, transcribing lectures and performing neuroanatomical drawings for the online collection

Professional Memberships

- Congress of Neurological Surgeons 07/2018 - Present
- Association of American Neurological Surgeons 07/2018 - Present
- Alpha Omega Alpha 02/2018 - Present
- American Medical Student Association 08/2014 - Present
- University of Tennessee Student Neurosurgical Society 08/2014 - 05/2018

Publications & Presentations

Deshpande N, Hadi MS, **Lillard JC**, Passias PG, Linzey JR, Saadeh YS, LaBagnara M, Park P. Alternatives to DEXA for the assessment of bone density: a systematic review of the literature and future recommendations. *J Neurosurg Spine*. 2023 Jan. PMID: 36609369.

Motiwala M, Herr MJ, Jampana Raju SS, **Lillard J**, Ajmera S, Saad H, Schultz A, Fraser B, Wallace D, Norrdahl S, Akinduro O, Oravec CS, Xu R, Jimenez B, Justo M, Hardee J, Vaughn BN, Michael LM, Klimo P. Dissecting the Financial Relationship between Industry and Academic Neurosurgery. *Neurosurgery*, 2020 Aug. PMID: 32779708.

Motiwala M, Kumar R, Ajmera S, **Lillard J**, Saad H, Schultz A, Fraser B, Wallace D, Norrdahl S, Akinduro O, Oravec C, Xu R, Jimenez B, Justo M, Hardee J, Yunis Y, Gungor B, Whitaker J, Klimo P Jr. Innovation, Royalties, and Introduction of the Patent Hirsch Index within U.S. Academic Neurosurgery. *World Neurosurg*. 2020 May. PMID: 32035202.

Taylor D, Basma J, Jones G, **Lillard J**, Wallace D, Ajmera S, Gienapp A, Michael L. Predicting surgical intervention in cerebellar stroke: A quantitative retrospective analysis. *World Neurosurgery*, June 26, 2020. PMID: 32599209

Mistry A, Mummareddy N, CreveCoeur T, **Lillard J**, Vaughn B, Gallant J, Hale A, Griffin N, Wellons J, Limbrick D, Klimo P, Naftel R. Supratentorial Pediatric High-Grade Gliomas Involved with the Subventricular Zone Are Associated with Decreased Survival: A Multi-Institutional Retrospective Study, *Journal of Neurosurgery Pediatrics*, May 22, 2020. PMID 32442975

Lee R, Ajmera S, Thomas F, Dave P, **Lillard J**, Wallace D, Broussard A, Motiwala M, Norrdahl S, Venable G, Khan N, Harrell C, Jones T, Vaughn B, Gooldy T, Hersh D, Klimo P. Shunt Failure: The First 30 Days. *Neurosurgery*, 2019. [Epub ahead of print] PMID 31557298

Khan N, Saad H, Oravec C, Norrdahl S, Fraser B, Wallace D, **Lillard J**, Motiwala M, Nguyen V, Lee S, Jones A, Ajmera S, Kalakoti P, Dave P, Moore K, Akinduro O, Vaughn B, Michael L, Klimo P. An analysis of publication productivity during residency for 1,540 neurosurgical residents and 118 residency departments in North America. *Neurosurgery*, 2018. [Epub ahead of print] PMID 29850872.

Lillard J, Venable G, Khan N, Tatevossian R, Dalton J, Vaughn B, Klimo P. Pediatric Supratentorial Ependymoma: surgical, clinical, and molecular analysis. *Neurosurgery*, 2018. [Epub ahead of print] PMID 29917116.

Khan N, Saad H, Oravec C, Rossi N, Nguyen V, Venable G, **Lillard J**, Patel P, Taylor D, Vaughn B, Kondziolka D, Barker F, Michael M, Klimo P. A Review of Industry Funding in Randomized Controlled Trials Published in the Neurosurgical Literature- The Elephant in the Room. *Neurosurgery*, 2017. [Epub ahead of print] PMID 29462484.

Lee R, Xu R, Dave P, Ajmera S, **Lillard J**, Wallace D, Broussard A, Motiwala M, Norrdahl S, Howie C, Akinduro O, Venable G, Khan N, Taylor D, Vaughn B, Klimo P. Taking the next step in productivity analysis in pediatric neurosurgery. *Journal of Neurosurgery: Pediatrics*, 2018. [Epub ahead of print] PMID: 29570033.

Lee R, Venable G, Vaughn B, **Lillard J**, Oravec C, Klimo P. The impact of a pediatric shunt surgery checklist on infection rate at a single institution. *Neurosurgery*, 2017. [Epub ahead of print] PMID: 29048591.

Lee R, Foster K, **Lillard J**, Klimo P, Ellison D, Orr B, Boop F. Surgical and molecular considerations in the treatment of thalamopeduncular tumors. *Journal of Neurosurgery: Pediatrics*, 2017. [Epub ahead of print] PMID: 28686121.

Sorenson J, Yagmurlu K, Khan N, **Lillard J**. The Rhoton Collection- 3D Presentations: Fiber Pathways of the Cerebrum. Published to YouTube September 29, 2016.

Sorenson J, **Lillard J**, Venable G, Khan N. The Rhoton Collection- 3D Presentations: Internal Structures and Safe Entry Zones of the Brainstem. Published to YouTube August 25, 2016.

Sorenson J, **Lillard J**, Michael L, Khan N. The Rhoton Collection- 3D Presentations: Head and Neck Anatomy for Neurosurgeons. Published to YouTube July 22, 2016.

Sorenson J, **Lillard J**, Khan N, Roberts M. The Rhoton Collection- 3D Presentations: Navigating the Orbit. Published to YouTube May 6, 2016.

Sorenson J, **Lillard J**, Mahoney D, Khan N, Venable G. The Rhoton Collection- 3D Presentations: Surgical Anatomy of the Sphenoid Sinus and its Intracranial Correlations. *Undergoing revisions*.

Presentations

Lillard J, Venable G, Khan N, Tatevossian R, Dalton J, Vaughn B, Klimo P. Pediatric Supratentorial Ependymoma: surgical, clinical and molecular analysis, April 28–May 2, 2018 American Association of Neurological Surgeons: New Orleans, LA.

Leadership Experience

Neurosurgery interest group, UTHSC, Vice President 05/2017 - 05/2018
Communicate with UT faculty neurosurgeons and arrange professor presentations, coordinate interest group meetings with group members, and assist other officers in daily operations.

COM Department of Admissions, UTHSC, Student committee member 09/2016 - 05/2018
Conduct medical school applicant interviews, attend admissions committee meetings, present applicants for review to the admissions committee, cast votes as an active admissions committee member.

UT Committee for Blood Collection (UTCBC), UTHSC, Committee member 08/2016 - 01/2018
Communicate with local blood banks, facilitate and organize blood drives, advertise, promote and encourage student participation to meet local community blood bank needs.

Neurosurgery interest group, UTHSC, Research liaison 03/2016 - 05/2017
Communicated with UT faculty neurosurgeons and discussed research needs and ongoing projects, facilitated meetings between staff neurosurgeons and group members, and informed the interest group of ongoing research and opportunities available.

COM Department of Admissions, UTHSC, Applicant tour guide 08/2015 - 09/2016
Served as a representative of the college of medicine student body, led applicants on tours of the classroom, library, study areas, as well as surrounding hospitals and also answered questions about life as a medical student as well as the Memphis area.

New Student Orientation, UTHSC, Peer mentor 08/2015 - 05/2016
Mentored incoming M1's, discussed curriculum, how to adopt good study habits, conducted campus tours, and introduced new students to faculty and more senior members of the college of medicine.

Interprofessional Student council, UTHSC, Policy and Advocacy committee member 04/2015 - 04/2016
Attended meetings, discussed activities to facilitate greater communication and interaction between graduate school colleges, organized a monthly email highlighting important legislation at both the state and federal level concerning healthcare policy and also voted on campus activities.

Community Service

Street Medicine, UTHSC, Volunteer

04/2015 - 05/2017

Attend monthly meetings where students educate the homeless about proper foot care, clean feet, trim nails, apply anti-fungal medication when appropriate, perform a peripheral vascular exam, and help facilitate healthcare needs under supervision of medical staff in attendance.

Let's Innovate Through Education (LITE), Volunteer

02/2017 - 05/2017

Provide feedback to entrepreneurial students on their business ideas and the feasibility of the idea in question, evaluate students on their ability to formulate a business plan, advise and teach public speaking skills.

Hobbies & Personal Interests

Golfing, walking and jogging with my German Shephard, Atlanta Braves baseball, college football, snow skiing and traveling the world with my wife