

KARA A. PARIKH, M.D.

University of Tennessee Health Science Center/Semmes Murphey – Department of Neurosurgery
847 Monroe Ave, Suite 427
Memphis, TN 38163
karaparikh@gmail.com

EDUCATION

- 2024 – 2025 University of Tennessee Health Science Center; Memphis, TN
Enfolded Skull Base Cranial Surgery Fellowship, Department of Neurosurgery
- 2018 – Present University of Tennessee Health Science Center; Memphis, TN
Residency, Department of Neurosurgery
- 2014 – 2018 Louisiana State University Health Sciences Center School of Medicine; New Orleans, LA
Doctor of Medicine
- 2010 – 2014 Louisiana College; Pineville, LA
B.S., Biology, *Summa Cum Laude*
-

APPOINTMENTS AND LEADERSHIP EXPERIENCE

- 2023 Faculty Panelist and Instructor for Society of Neurological Surgeons Intern Boot Camp
- 2023 – Present Journal Review Editor - *Frontiers in Surgery: Neurosurgery*
- 2022 – Present Skull Base Conference and Lab Course Coordinator - UTHSC Neurosurgery, Memphis, TN
- 2019 – 2023 Mentor – “Women Mentoring Women” Medical Student Mentorship Program,
UTHSC College of Medicine, Memphis, TN
- 2021 – 2022 Council Representative - UTHSC Graduate Medical Education, Memphis, TN
- 2017 – 2018 Admissions Committee Member - LSUHSC School of Medicine, New Orleans, LA
- 2013 – 2018 Founder and Project Leader - Project Guatemala
Annual \$35,000 partnership with local physicians to provide healthcare in Mayan villages
- 2015 – 2016 President - LSUHSC chapter of American Medical Student Association (AMSA)
- 2015 Research Assistant - Pediatric Oncology Education Program
St. Jude Children’s Research Hospital, Memphis, TN
- 2014 – 2015 Class of 2018 Representative - LSUHSC chapter of AMSA
-

PEER REVIEWED PUBLICATIONS

1. **Parikh KA**, Motiwala M, Beer FA, Michael LM 2nd, Rangarajan SV, Choby GW, Kshetry VR, Saleh S, Mukherjee D, Kirsch C, McKean E, Sorenson JM. Skull Base Registries: A Roadmap. *Journal of Neurological Surgery Part B: Skull Base*. 2022;83(6):561-578. Published 2022 Nov 12. doi:10.1055/a-1934-9191
2. Nguyen VN, **Parikh KA**, Motiwala M, Khan NR. Extradural Proximal Control of Internal Carotid Artery for Clipping of a Ruptured Posterior Communicating Artery Aneurysm. Accepted April 2023 for publication in *Operative Neurosurgery*.
3. Nguyen VN, **Parikh KA**, Wu E, Arthur AS, Michael LM 2nd, Khan NR. Modified Orbitozygomatic Craniotomy, Anterior Clinoidectomy, and Retrograde Suction Decompression "Dallas Technique" for Large Unruptured Clinoidal-Ophthalmic Segment Aneurysm [published online ahead of print, 2023 Mar 24]. *World Neurosurgery*. 2023;174:128. doi:10.1016/j.wneu.2023.03.078
4. Nguyen VN, **Parikh K**, Arthur AS, Nickele CM, Khan NR. Common Carotid Artery to Middle Cerebral Artery Bypass With Radial Interposition Graft for Internal Carotid Artery (ICA) Occlusion After Stent-Coil Embolization of Giant ICA Terminus Aneurysm: 2-Dimensional Operative Video. *Operative Neurosurgery* (Hagerstown). 2023;24(4):e289-e290. doi:10.1227/ons.0000000000000559
5. **Parikh KA**, Yagmurlu K, Michael LM 2nd. Commentary: Transcavernous Surgical Approach for the Treatment of Carotid-Cavernous Fistula: 2-Dimensional Operative Video. *Operative Neurosurgery* (Hagerstown). 2023;24(3):e216-e217. doi:10.1227/ons.0000000000000575
6. Nguyen VN, Motiwala M, **Parikh KA**, Miller LE, Barats M, Milton C, Khan NR. Extracranial-Intracranial (EC-IC) Cerebral Revascularization for Atherosclerotic Vessel Occlusion: An Updated Systematic Review of the Literature [published online ahead of print, 2023 Feb 7]. *World Neurosurgery*. 2023;S1878-8750(23)00141-9. doi:10.1016/j.wneu.2023.02.003
7. Nguyen VN, Moore KA, **Parikh KA**, Motiwala M, Yagmurlu K, Hoit D, Arthur AS, Khan NR. "Modified Half Pterional Transylvian and Half Subtemporal Approach" for Microsurgical Clipping of Superior Cerebellar Artery Aneurysm Treated With Previous Endovascular Flow-Diverting Stent: 2-Dimensional Operative Video [published online ahead of print, 2023 Feb 13]. *Operative Neurosurgery* (Hagerstown). 2023;10.1227/ons.0000000000000632. doi:10.1227/ons.0000000000000632
8. **Parikh KA**, Michael LM 2nd. Commentary: The Final Cut: Evolution of Cavernous Sinus Decompression Beyond the Dolenc Cut. *Operative Neurosurgery*. 2022;22(5):e204-e205. doi:10.1227/ons.0000000000000172
9. **Parikh KA**, Rangarajan S, Michael LM 2nd. Commentary: Combined Orbitozygomatic Pretemporal Transcavernous and Endonasal Transmaxillary Approach for Resection of a Giant Trigeminal Schwannoma. *Operative Neurosurgery*. 2022;23(4):e297. doi:10.1227/ons.0000000000000380
10. **Parikh KA**, Merchant TE, Boop FA. Suboccipital Microsurgical Resection of Pediatric Ependymoma in the Foramen of Luschka: 2-Dimensional Operative Video. *Operative Neurosurgery*. 2022;22(1):e51. doi:10.1227/ONS.0000000000000023
11. Nguyen VN, **Parikh KA**, Motiwala M, Miller LE, Barats M, Milton C, Khan NR. Surgical Techniques for Adult Moyamoya Disease. *Frontiers in Surgery*. 2022;9:966430. Published 2022 Aug 19. doi:10.3389/fsurg.2022.966430
12. Nguyen VN, **Parikh KA**, Motiwala M, Moore KA, Miller LE, Barats M, Sorenson J, Michael LM 2nd, Arthur AS, Khan NR. Far Lateral Craniotomy, Occipital Artery-Posterior Inferior Cerebellar Artery Bypass, and Trapping of a Ruptured Dissecting Fusiform Right Vertebral Artery Aneurysm Involving the Posterior Inferior Cerebellar Artery Origin. *Operative Neurosurgery*. 2022;10.1227. doi:10.1227/ons.0000000000000425
13. Nguyen VN, **Parikh KA**, Einhaus S, Arthur AS, Khan NR. Microsurgical Clip Ligation of Ruptured, Previously Coiled A2-A3 Aneurysm Through Interhemispheric Approach in a Pediatric Patient. *World Neurosurgery*. 2022;163:36. doi:10.1016/j.wneu.2022.03.122
14. Nguyen VN, **Parikh KA**, Barats M, Motiwala M, Heiferman DM, Miller LE, Arthur AS, Hoit DA, Khan NR. Acute Placement of Telescoping Open Cell Stents and Thrombectomy for Progressive

- Symptomatic Vertebrobasilar Dissection. *Operative Neurosurgery*. 2022;10:1227. doi:10.1227/ons.0000000000000459
15. Nguyen VN, **Parikh KA**, Miller LE, Motiwala M, Barats M, Goyal N, Hoit D, Arthur AS, Khan NR. Double Barrel (2-Donor-2-Recipient) Bypass As Rescue Treatment For Patient With Occluded Middle Cerebral Artery Intracranial Stent and Recurrent Ischemia. *World Neurosurgery*. 2022;167:127-128. doi:10.1016/j.wneu.2022.08.150
 16. **Parikh KA**, Michael LM. Commentary: Endoscopic Endonasal Versus Transoral Odontoidectomy for Non-Neoplastic Craniovertebral Junction Disease: A Case Series. *Operative Neurosurgery*. 2021;21(6):E463-E464. doi:10.1093/ons/opab322
 17. Basma J, **Parikh KA**, Khan NR, Michael LM 2nd, Sorenson JM, Robertson JH. Simplifying the Surgical Classification and Approach to the Posterolateral Skull Base and Jugular Foramen Using Anatomical Triangles. *Cureus*. 2021;13(11):e19638. doi:10.7759/cureus.19638
 18. Gordon WE, Gienapp AJ, Khan NR, **Parikh KA**, Vaughn BN, Klimo P Jr. Commentary: The Clinical Experience of a Junior Resident in Pediatric Neurosurgery and Introduction of the Resident Experience Score. *Neurosurgery*. 2020;86(5):E447-E454. doi:10.1093/neuros/nyz565
 19. **Parikh KA**, Venable GT, Orr BA, Choudhri AF, Boop FA, Gajjar AJ, Klimo P Jr. Pineoblastoma: The Experience at St. Jude Children's Research Hospital. *Neurosurgery*. 2017; 81(1):120-128. doi: 10.1093/neuros/nyx005
 20. Lee RP, Venable GT, Roberts ML, **Parikh KA**, Taylor DR, Khan NR, Michael LM 2nd, Klimo P Jr. Five-Year Institutional Bibliometric Profiles for 119 North American Neurosurgical Residency Programs: An Update. *World Neurosurgery*. 2016; 95:565-575. doi:10.1016/j.wneu.2016.07.006
 21. **Parikh KA**, Motiwala M, Schwartz B, Blum D, Sorenson JM, Michael LM 2nd, Khan NR. Utilization of a Novel Web Based Performance Feedback Application (Case Curve) in Neurosurgical Trainee Cadaveric Simulation of the Retrosigmoid Approach. *Submitted*.
 22. **Parikh KA**, Motiwala M, Moore KA, Blum D, Khan NR, Arthur AS. Half and Half Approach for Thrombosed Matricidal Superior Cerebral Artery Aneurysm: A Case Report and Review of the Literature. *Submitted*.
 23. Lesha E, **Parikh KA**, Khan NR. Kawase Approach for Temporal Bone Hemangioma of the Facial Nerve. *Submitted*.
 24. Mangham W, **Parikh KA**, Motiwala M, Lillard J, Khan NR, Michael LM 2nd. Systematic Review of Professionalism in Neurosurgery and the Development of Neurosurgical Professionalism Milestones. *Submitted*.
 25. Nguyen VN, **Parikh KA**, Motiwala M, Khan NR. Carotid Endarterectomy with Intraoperative Shunt Placement and Bovine Pericardial Patch Grafting. *Submitted*.
 26. **Parikh KA**, Motiwala M, Beer FA, Michael LM 2nd, Rangarajan SV, Kothari DS, Choby GW, Kshetry VR, Saleh S, Mukherjee D, Levine CG, Pacione DR, Kirsch C, McKean E, Sorenson JM. Skull Base Registries: Building Consensus for Pituitary Adenomas. *In progress*.
 27. **Parikh KA**, Lesha E, Robertson JH, Michael LM 2nd. Long-Term Outcomes with Multidisciplinary Combined Approach for Tegmen Defect Repair. *In Progress*.
 28. **Parikh KA**, Robertson JH, Michael LM 2nd. The History of Skull Base Neurosurgery: The Memphis Perspective. *In progress*.
 29. **Parikh KA**, Roach JR, Boucher AB. Pituitary Apoplexy in the Setting of ACTH-Secreting Adenoma: Systematic Review and Illustrative Case. *In progress*.
 30. Motiwala M, Orr T, **Parikh KA**, Nguyen VN, Inoa V, Khan NR. Acute Management and Long-Term Outcomes of Blunt Cerebrovascular Injury: The Memphis Experience. *In Progress*.
 31. Mangham W, Motiwala M, **Parikh KA**, Khan NR, Michael LM 2nd. A National Survey of On-Call Responsibilities in U.S Neurological Surgery Residency Programs. *In Progress*.
-

BOOK CHAPTERS

1. Basma J, **Parikh KA**, Sorenson JM. (2022). Skull Base Compartmental Anatomy: Microsurgical and Endoscopic. In: Youssef S. (eds) Contemporary Skull Base Surgery: A Comprehensive Guide to Functional Preservation. Springer, Cham.
 2. Basma J, **Parikh KA**, Sorenson JM. (2022). Surgical Anatomy of the Cranial Nerves. In: Youssef S. (eds) Contemporary Skull Base Surgery: A Comprehensive Guide to Functional Preservation. Springer, Cham.
 3. Tender G, Serban D, Florea M, Constantinescu A, **Parikh KA**. (2018) Thoracic Lateral Retropleural Discectomy. In: Tender G. (eds) Minimally Invasive Spine Surgery Techniques. Springer, Cham. https://doi.org/10.1007/978-3-319-71943-6_14
-

PRESENTATIONS

1. **Parikh KA**, Nguyen VN, Sorenson J, Michael LM 2nd, Arthur AS, Khan NR. “Far Lateral Craniotomy, OA-PICA Bypass, and Trapping of a Ruptured Dissecting Fusiform Right Vertebral Artery Aneurysm Involving the PICA Origin.” *Oral Presentation*. February 17-19, 2023. *North American Skull Base Society Annual Meeting*. Tampa, FL
2. **Parikh KA**, Nguyen VN, Arthur AS, Khan NR. “Half Trans-sylvian and Half Subtemporal Approach” for Microsurgical Clipping of Posterior Cerebral Artery Aneurysm.” *Oral Presentation*. February 17-19, 2023. *North American Skull Base Society Annual Meeting*. Tampa, FL
3. **Parikh KA**, Roach JT, Boucher AB. “Pituitary Apoplexy in the Setting of ACTH-Secreting Adenoma: Systematic Review and Illustrative Case.” *Poster Presentation*. February 17-19, 2023. *North American Skull Base Society Annual Meeting*. Tampa, FL
4. **Parikh KA**, Motiwala M, Beer FA, Michael LM 2nd, Rangarajan SV, Kothari DS, Choby GW, Kshetry VR, Saleh S, Mukherjee D, Levine CG, Pacione DR, Kirsch C, McKean E, Sorenson JM. “Skull Base Registries: Building Consensus.” *Poster Presentation*. February 17-19, 2023. *North American Skull Base Society Annual Meeting*. Tampa, FL
5. Ramsey AK, Kothari DS, **Parikh KA**, Rangarajan SV. “Assessing Patient-Reported Symptoms to Predict Post-Operative Complications from Pituitary Surgery Using a Novel Consensus-Developed Inventory.” *Oral Presentation*. February 17-19, 2023. *North American Skull Base Society Annual Meeting*. Tampa, FL
6. **Parikh KA**, Motiwala M, Schwartz B, Blum D, Sorenson JM, Michael LM 2nd, Khan NR. “Utilization of a Novel Web Based Performance Feedback Application (Case Curve) in Neurosurgical Trainee Cadaveric Simulation of the Retrosigmoid Approach.” *Oral Presentation*. February 8-12, 2023. *Southern Neurosurgical Society Annual Meeting*. Marco Island, FL
7. Mangham WM, **Parikh KA**, Motiwala M, Roach JT, Barats M, Khan NR, Michael LM 2nd, Arthur AS. A Systematic Review of Professionalism in Neurosurgery and the Development of Neurosurgical Professionalism Milestones.” *Oral Presentation*. February 8-12, 2023. *Southern Neurosurgical Society Annual Meeting*. Marco Island, FL
8. Motiwala M, Orr T, **Parikh KA**, Nguyen VN, Inoa V, Khan NR. “Acute Management and Long-term Outcomes of Blunt Cerebrovascular Injury: The Memphis Experience.” *Oral Presentation*. February 8-12, 2023. *Southern Neurosurgical Society Annual Meeting*. Marco Island, FL
9. Mangham W, **Parikh KA**, Michael LM 2nd, Klimo P, Khan NR. “A National Survey of On-Call Responsibilities in U.S. Neurological Surgery Residency Programs.” *Oral Presentation*. April 21-23, 2023. *AANS Annual Scientific Meeting*. Los Angeles, CA
10. **Parikh KA**, Michael LM. “Kawase Approach for Petrous Apex Solitary Fibrous Tumor.” *Oral Presentation*. August 26-28, 2021. *Ozarks Neuroscience Education (ONE) Clinic*. Ridgedale, MO

11. **Parikh KA**, Venable GT, Orr BA, Choudhri AF, Boop FA, Gajjar AJ, Klimo P Jr. “Pineoblastoma: The Experience at St. Jude Children’s Research Hospital.” *Oral Presentation*. August 16-17, 2019. *Tennessee Neurosurgical Society Annual Meeting*. Franklin, TN
 12. **Parikh KA**, DiGiorgio AM, Fannin ES, Wilson JD. “Socioeconomic Factors in Traumatic Brain and Spine Neurosurgical 30- and 90-day Readmissions.” *Poster Presentation*. April 28-May 2, 2018. *AANS Annual Scientific Meeting*. New Orleans, LA
 13. **Parikh KA**, DiGiorgio AM, Lasseigne LM, Roberts OA, Culicchia F. “Penetrating, Non-ballistic Head Trauma: A Case Series and Surgical Techniques.” *Poster Presentation*. April 22-26, 2017. *AANS Annual Scientific Meeting*. Los Angeles, CA
 14. **Parikh KA**, Venable GT, Orr BA, Choudhri AF, Boop FA, Gajjar AJ, Klimo P Jr. “Pineoblastoma: The Experience at St. Jude Children’s Research Hospital.” *Oral Presentation*. December 8-11, 2015. *AANS/CNS National Section on Pediatric Neurological Surgery Annual Meeting*. Seattle, WA
 15. **Parikh KA**, Dodson MA, Brunet M. “Comparison of Consecutive Patients Who Were Able to be Discharged Home on Postop Day One to Those That Were Discharged at a Later Date after Single Total Knee Replacement.” *Oral Presentation*. February 14-15, 2014. *Louisiana Orthopaedic Association Annual Meeting*. New Orleans, LA
 16. **Parikh KA**, Lu Y. “Three-state quantum-dot cellular automata molecule free of unwanted counterion effects.” *Poster Presentation*. March 9, 2013. *Louisiana Academy of Sciences Annual Meeting*. Ruston, LA
-

HONORS AND AWARDS

| | |
|-------------|--|
| 2018 | Congress of Neurological Surgeons Pediatric Top Paper of the Year for “Pineoblastoma: The Experience at St. Jude Children’s Research Hospital” |
| 2015 – 2017 | Carolyn Weatherford Scholarship and R. Keith Parks Scholarship for humanitarian efforts in Guatemala with Project Guatemala |
| 2014 | Top Pre-Med Student Award, Louisiana College |
| 2013 | SURE Award: \$4000 grant awarded by Louisiana Board of Regents and National Science Foundation for basic science research |
| 2010 | Smith Scholarship: four-year, full academic scholarship awarded by Louisiana College |

PROFESSIONAL MEMBERSHIPS

| | |
|----------------|---|
| 2022 – Present | North American Skull Base Society |
| 2018 – Present | Congress of Neurological Surgeons |
| 2018 – Present | American Association of Neurological Surgeons |
| 2018 – Present | Tennessee Medical Association |
| 2018 – Present | The Memphis Medical Society |