

CURRICULUM VITAE
RAHUL A. SASTRY, M.D.

Rahul A. Sastry, MD
Department of Neurosurgery
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EDUCATION

Undergraduate	Stanford University B.S., Mechanical Engineering (with distinction), 2013
Medical School	Harvard Medical School M.D., 2017

POSTGRADUATE TRAINING

Internship	Department of Surgery Brigham and Women's Hospital Harvard Medical School, Boston, MA 2017-2018
Residency	Department of Neurosurgery The Warren Alpert School of Medicine Brown University, Providence, RI 2018-current

PROFESSIONAL LICENSES AND BOARD CERTIFICIATION

Medical Licensure	Rhode Island, 2018-present Massachusetts, 2017
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MEMBERSHIP IN SOCIETIES

Member, Tau Beta Pi, 2011-Present
Member, American Association of Neurological Surgeons, 2017-Present

PEER-REVIEWED PUBLICATIONS

1. **Sastry R**, and Siegel B, "The French Connection: Comparing French and American Civilian Nuclear Programs", *Stanford Journal of International Relations*, Volume XI, Number 2 (Spring 2010).
2. **Sastry R**, Bi WL, Pieper S, Frisken S, Kapur T, Wells W 3rd, Golby AJ, "Applications of Ultrasound in the Resection of Brain Tumors", *Journal of Neuroimaging*, Vol 27:1, pp 5-15 (January 2017).
3. **Sastry RA**, Koch MJ, Stapleton CJ, Butler WE, Patel AB, "Flow Diversion of a Recurrent, Iatrogenic Basilar Tip Aneurysm in a Pediatric Patient: Case Report and Literature Review," *JNS Pediatrics* 21 (1), 90-93 (October 2017)

4. **Sastry RA**, Shankar GM, Gerstner ER, Curry WT, “The impact of surgery on survival after progression of glioblastoma: A retrospective cohort analysis of a contemporary patient population,” *Journal of Clinical Neuroscience* 53 (1), 41-47 (June 2018)
5. **Sastry RA**, Williams EA, Koffie R, Fehnel K, Wirth L, Nahed B, “Metastatic medullary thyroid cancer to the brain: a case report and review of the literature,” *International Journal of Endocrine Oncology* (2018)
6. **Sastry R**, Moldovan K, Niu T, “Headache, Confusion, and Somnolence in a 27-Year-Old Woman,” *JAMA* 2020;324(20):2097-2098 (2020)
7. **Sastry RA**, Fridley J, Telfeian A, Gokaslan Z, Oyelese A, “Image-guided resection of lumbar monostotic fibrous dysplasia: A case report and technical note,” *Surgical Neurology International* 11: 346 (2020)
8. Walek K, **Sastry R**, Toms S, “Spinal epidural hematoma after attempted Catheter Thrombectomy of a large iliofemoral deep venous Thrombosis: A Case Report,” *Rhode Island Medical Journal* 103 (4), 52-54 (2020)
9. **Sastry R**, Sufianov R, Laviv Y, Young BC, Rojas R, Bhadelia R, Boone M, Kasper E, “Chiari I malformation and pregnancy: a comprehensive review of the literature to address common questions and to guide management,” *Acta neurochirurgica* 162 (7), 1565-1573 (2020)
10. **Sastry RA**, Pertsch NJ, Tang O, Shao B, Toms SA, Weil RJ, “Frailty and outcomes after craniotomy for brain tumor,” *Journal of Clinical Neuroscience* 81, 95-100 (2020)
11. **Sastry RA**, Pertsch N, Tang O, Shao B, Toms SA, Weil RJ, “Frailty and Outcomes after Craniotomy or Craniectomy for Atraumatic Chronic Subdural Hematoma,” *World Neurosurgery* 145, e242-e251 (2021)
12. Walek KW, Leary OP, **Sastry R**, Asaad WF, Walsh JM, Mermel L. Decreasing External Ventricular Drain Infection Rates in the Neurocritical Care Unit: 12-Year Longitudinal Experience at a Single Institution. *World Neurosurg.* 2021;150:e89-e101
13. A Barrios-Anderson, EJ Wang, **R Sastry**, JS Fridley, “Ossification of the Posterior Longitudinal Ligament in the Cervical, Thoracic, and Lumbar Spine”, *Cureus*, 13(3), 2021
14. Shao B, Tang OY, Leary OP, Abdulrazeq H, **Sastry RA**, Brown S, Wilson IB, Asaad WF, Gokaslan ZL. Demand for Essential Nonambulatory Neurosurgical Care Decreased While Acuity of Care Increased During the Coronavirus Disease 2019 (COVID-19) Surge. *World Neurosurg.* 2021 Jul;151:e523-e532.
15. **Sastry RA**, Pertsch NJ, Sagaityte E, Poggi JA, Toms SA, Weil RJ. Early Outcomes After Carotid Endarterectomy and Carotid Artery Stenting: A Propensity-Matched Cohort Analysis [published online ahead of print, 2021 Jul 28]. *Neurosurgery.* 2021;nyab250. doi:10.1093/neuros/nyab250
16. Mueller KB, **Sastry RA**. The Importance of Incisional Management Strategies to Optimize Outcomes in Spine Surgery. *World Neurosurg.* 2021;152:233-234. doi:10.1016/j.wneu.2021.06.049
17. Chuck C, **Sastry RA**, Cielo D. Bilateral trigeminal nerve sheath tumors treated with stereotactic radiosurgery: A case report. *Interdisciplinary Neurosurgery.* 2021. Sep
18. **Sastry RA**, Yu J, Niu T, Camara J, Svokos K, Fridley J, Telfeian A, Gokaslan Z, Oyelese AA. Hardware failure and reoperation after hybrid anterior cervical corpectomy and discectomy for multilevel spondylotic disease: A retrospective single-institution cohort study. *Interdisciplinary Neurosurgery.* 2021 Sep 1;25:101234.
19. Ali R, Syed S, **Sastry RA**, Abdulrazeq H, Shao B, Roye GD, Doberstein CE, Oyelese A, Niu T, Gokaslan ZL, Telfeian A. Toward more accurate documentation in neurosurgical care. *Neurosurg Focus.* 2021 Nov;51(5):E11. doi: 10.3171/2021.8.FOCUS21387. PMID: 34724645.
20. **Sastry RA**, Wang EJ, Mermel LA. Antibiotic prophylaxis practices in neurosurgery: A Society for Healthcare Epidemiology of America (SHEA) survey. *Infect Control Hosp Epidemiol.* 2021 Dec 17:1-2. doi: 10.1017/ice.2021.488. Epub ahead of print. PMID: 34915964.

OTHER PEER-REVIEWED PUBLICATIONS, ABSTRACTS, AND PRESENTATIONS

1. **Sastry RA**, Mathur BN, Deutch AY, “Identification of striatal medium spiny neuron subpopulations”, *2008 Vanderbilt Research Internship Program Presentation Day*, Nashville, TN, July 2008.
2. Sabbatini A, **Sastry R**, Si M, Wu M, “EEG-Assisted Reconnaissance Robot”, *EXPE 2012: Stanford Design Experience*, Stanford, CA, June 2012
3. Weis J, Yankeelov T, Munoz S, **Sastry R**, Barnes S, Arlinghaus L, Li X, Miga M, “A consistent pre-clinical/clinical elastography approach for assessing tumor mechanical properties in therapeutic systems”, *SPIE Proceedings Vol 8672* (April 2013)
4. Mehrtash A, Norton I, Dolati P, **Sastry R**, Lasso A, Toews M, Kapur T, Pieper S, Wells W, Golby A, “Open-source 3D ultrasound visualization for ease of interpretation during brain tumor resection”, *3rd Annual Biomedical Imaging Research Day*, Brigham and Women’s Hospital, Boston, MA, November 20, 2014.
5. **Sastry R**, Norton I, Golby A, “Ultrasound for Brain Shift Correction”, *75th Annual Soma Weiss Student Research Day*, Harvard Medical School, Boston, MA, January 15, 2015.
6. **Sastry R**, Shankar G, Gerstner E, Curry W, “The role of surgery and bevacizumab as salvage therapy for progressive glioblastoma”, *AANS Annual Scientific Meeting*, Los Angeles, CA, April 22-26, 2017.
7. **Sastry R**, Shankar G, Gerstner E, Curry W, “The role of surgery and bevacizumab as salvage therapy for progressive glioblastoma”, *New England Neurosurgical Society Annual Meeting 2017*, Chatham, MA, June 28-30, 2017
8. **Sastry R**, Pertsch NJ, Tang OY, Shao B, Toms SA, Weil RJ, “Frailty and Outcomes After Craniotomy for Nontraumatic Subdural Hematoma,” *Neurosurgery Vol 67 Supplement 1* (2020)
9. Shao B, Tang OY, Abdulrazeq H, **Sastry R**, Leary OP, Wilson I, Asaad W, Gokaslan ZL, “Demands for Essential Neurosurgical Care During the COVID-19 Pandemic: A Single Center Cross-sectional Report,” *Neurosurgery Vol 67 Supplement 1* (2020)
10. **Sastry RA**, Pertsch NJ, Sagaityte E, Poggi JA, Toms SA, Weil RJ. Early Outcomes After Carotid Endarterectomy and Carotid Artery Stenting: A Propensity-Matched Cohort Analysis. *AANS Annual Scientific Meeting*, Orlando, FL, 2021
11. **Sastry RA**, Walek K, Leary O, Rex N, Shaaya E, Poggi J, Cielo D, Incidence, Characteristics, and Outcomes of Pseudomeningocele and CSF Fistula after Posterior Fossa Surgery. *AANS Annual Scientific Meeting*, Orlando, FL, 2021
12. **Sastry RA**, Bajaj A, Shaaya E, Anderson MN, Doberstein C. Utility of Automated MRI Perfusion (RAPID) with or without MR Angiography for Detection of Angiographic Vasospasm after Aneurysmal Subarachnoid Hemorrhage. *AANS Annual Scientific Meeting*, Orlando, FL, 2021

UNIVERSITY TEACHING, ADVISING, AND MENTORING ROLES

1. Teaching Assistant, Human Physiology Course, Harvard Medical School, Boston, MA, 2017
2. Resident Mentor, Introduction to Surgical Subspecialties Course, Warren Alpert Medical School, Brown University, Providence, RI, 2020-present
3. Resident Teaching Assistant and Mentor, Neurosurgery Preclinical Elective, Warren Alpert Medical School, Brown University, 2018-present
4. Resident Mentor and Leader of Practical Cadaver Lab, 4th Annual Student Neurosurgery & Neurology Research Conference, Warren Alpert Medical School, Brown University, January 15, 2022