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CURRICULUM VITAE
RAHUL A. SASTRY, M.D. M.P.H.

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EDUCATION

Undergraduate	Stanford University B.S., Mechanical Engineering (with distinction), 2013
Medical	Harvard Medical School M.D., 2017
Graduate	Johns Hopkins University Bloomberg School of Public Health M.P.H., 2023

POSTGRADUATE TRAINING

Internship, General Surgery	Department of Surgery Brigham and Women's Hospital Harvard Medical School, Boston, MA 2017-2018
Residency, Neurosurgery	Department of Neurosurgery The Warren Alpert School of Medicine Brown University, Providence, RI 2018-2025
Fellowship, Complex Spinal Surgery	Department of Neurosurgery University of California San Francisco San Francisco, CA 2025-2026

POSTGRADUATE HONORS, AWARDS, AND SCHOLARSHIPS

Dean's Excellence in Teaching Award (2021-2022 AY), Warren Alpert Medical School of Brown University
Welch Scholarship (2022-2023 AY), Bloomberg School of Public Health, Johns Hopkins University

PROFESSIONAL LICENSES AND BOARD CERTIFICATION

Medical Licensure

California, 2025-current
Rhode Island, 2018-2025, 2026-current
Massachusetts, 2017-2018

CLINICAL APPOINTMENTS

Clinical Instructor

Department of Neurosurgery
University of California San Francisco
San Francisco, CA
2025-Current

MEMBERSHIP IN SOCIETIES

Member, Tau Beta Pi, 2011-Present

Member, American Association of Neurological Surgeons, 2017-Present

Member, Alpha Omega Alpha Honor Society, Brown University, 2023-Present

Member, Society for Minimally Invasive Spine Surgery, 2025-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.
21. Shao B, Hagan MJ, **Sastry RA**, Kritselis M, Donahue JE, Toms SA. An Instructive Case of Cerebral Mucormycosis. *R I Med J* (2013). 2022 Mar 1;105(2):8-12. PMID: 35211702.
22. Telfeian AE, **Sastry R**, Oyelese A, Fridley J, Camara-Quintana JQ, Niu T, Sampath P, Lewandrowski KU, Mueller K, Gokaslan ZL. Awake, Transforaminal Endoscopic Lumbar Spine Surgery in Octogenarians: Case Series. *Pain Physician.* 2022 Mar;25(2):E255-E262. PMID: 35322980.
23. Walek KW, Leary OP, **Sastry R**, Asaad WF, Walsh JM, Horoho J, Mermel LA. Risk factors and outcomes associated with external ventricular drain infections. *Infect Control Hosp Epidemiol.* 2022 Apr 26:1-8. doi: 10.1017/ice.2022.23. Epub ahead of print. PMID: 35471129.
24. Walek KW, Rajske M, **Sastry RA**, Mermel LA. Reducing ventriculoperitoneal shunt infection with intraoperative glove removal. *Infect Control Hosp Epidemiol.* 2022 Apr 19:1-4. doi: 10.1017/ice.2022.70. Epub ahead of print. PMID: 35438070.
25. Hagan MJ, **Sastry RA**, Feler J, Shaaya EA, Sullivan PZ, Abinader JF, Camara JQ, Niu T, Fridley JS, Oyelese AA, Sampath P, Telfeian AE, Gokaslan ZL, Toms SA, Weil RJ. Neighborhood-Level Socioeconomic Status Predicts Extended Length of Stay After Elective Anterior Cervical Spine Surgery. *World Neurosurg.* 2022 Apr 4:S1878-8750(22)00418-1. doi: 10.1016/j.wneu.2022.03.124. Epub ahead of print. PMID: 35390498.
26. **Sastry RA**, Hagan MJ, Feler J, Shaaya EA, Sullivan PZ, Abinader JF, Camara JQ, Niu T, Fridley JS, Oyelese AA, Sampath P, Telfeian AE, Gokaslan ZL, Toms SA, Weil RJ. Influence of Time of Discharge and Length of Stay on 30-Day Outcomes After Elective Anterior Cervical Spine Surgery. *Neurosurgery.* 2022 Apr 7. doi: 10.1227/neu.0000000000001893. Epub ahead of print. PMID: 35383699.
27. **Sastry RA**, Bajaj A, Shaaya EA, Anderson MN, Doberstein C. Utility of automated MRI perfusion (RAPID) with or without MR angiography for detection of angiographic vasospasm after aneurysmal

- subarachnoid hemorrhage. *J Clin Neurosci*. 2022 Apr 22;100:143-147. doi: 10.1016/j.jocn.2022.04.021. Epub ahead of print. PMID: 35468351.
28. Telfeian AE, Bajaj A, **Sastry R**, Ali R, Oyelese A, Fridley J, Camara-Quintana JQ, Niu T, Lewandrowski KU, Gokaslan ZL. Foraminal Access Strategies in Patients with Lumbar Posterolateral Fusions in Transforaminal Endoscopic Spine Surgery: Case Series and Technical Note. *Pain Physician*. 2022 May;25(3):E449-E455. PMID: 35652774.
 29. Telfeian AE, **Sastry R**, Ali R, Oyelese A, Fridley J, Camara-Quintana JQ, Niu T, Lewandrowski KU, Gokaslan ZL. Awake, Transforaminal Endoscopic Lumbar Decompression Surgery to Treat L5-S1 Adjacent Segment Disease: A Case Series. *Pain Physician*. 2022 Jul;25(4):E649-E656. PMID: 35793189.
 30. **Sastry RA**, Walek K, Leary OP, Rex N, Shaaya EA, Poggi JA, Cielo D. Incidence, Characteristics, and Outcomes of Pseudomeningocele and Cerebrospinal Fluid Fistula after Posterior Fossa Surgery. *World Neurosurg*. 2022 Aug;164:e1094-e1102. doi: 10.1016/j.wneu.2022.05.102. Epub 2022 May 28. PMID: 35640831.
 31. Hagan MJ, Pertsch NJ, Leary OP, **Sastry R**, Ganga A, Xi K, Zheng B, Kondamuri NS, Camara-Quintana JQ, Niu T, Sullivan PZ, Abinader JF, Telfeian AE, Gokaslan ZL, Oyelese AA, Fridley JS. Influence of sociodemographic and psychosocial factors on length of stay following surgical management of traumatic spine fracture with spinal cord injury. *World Neurosurg*. 2022 Aug 5:S1878-8750(22)01080-4. doi: 10.1016/j.wneu.2022.07.128. Epub ahead of print. PMID: 35940503.
 32. Hagan MJ, Telfeian AE, **Sastry R**, Ali R, Lewandrowski KU, Konakondla S, Barber S, Lane K, Gokaslan ZL. Awake transforaminal endoscopic lumbar facet cyst resection: technical note and case series. *J Neurosurg Spine*. 2022 Aug 19:1-8. doi: 10.3171/2022.6.SPINE22451. Epub ahead of print. PMID: 35986734.
 33. Tang OY, Shao B, Kimata AR, **Sastry RA**, Wu J, Asaad WF. The Impact of Frailty on Traumatic Brain Injury Outcomes: An Analysis of 691 821 Nationwide Cases. *Neurosurgery*. 2022 Nov 1;91(5):808-820. doi: 10.1227/neu.0000000000002116. Epub 2022 Aug 22. PMID: 36069524.
 34. **Sastry RA**, Feler JR, Shao B, Ali R, McNicoll L, Telfeian AE, Oyelese AA, Weil RJ, Gokaslan ZL. Frailty independently predicts unfavorable discharge in non-operative traumatic brain injury: A retrospective single-institution cohort study. *PLoS One*. 2022 Oct 7;17(10):e0275677. doi: 10.1371/journal.pone.0275677. PMID: 36206233; PMCID: PMC9543962.
 35. Hagan MJ, Pertsch NJ, Leary OP, Ganga A, **Sastry R**, Xi K, Zheng B, Behar M, Camara-Quintana JQ, Niu T, Sullivan PZ, Abinader JF, Telfeian AE, Gokaslan ZL, Oyelese AA, Fridley JS. Influence of socioeconomic factors on discharge disposition following traumatic cervicothoracic spinal cord injury at level I and II trauma centers in the United States. *N Am Spine Soc J*. 2022 Nov 25;12:100186. doi: 10.1016/j.xnsj.2022.100186. PMID: 36479003; PMCID: PMC9720595.
 36. Hagan MJ, **Sastry RA**, Feler J, Abdulrazeq H, Sullivan PZ, Abinader JF, Camara JQ, Niu T, Fridley JS, Oyelese AA, Sampath P, Telfeian AE, Gokaslan ZL, Toms SA, Weil RJ. Neighborhood-level socioeconomic status, extended length of stay, and discharge disposition following elective lumbar spine surgery. *N Am Spine Soc J*. 2022 Nov 26;12:100187. doi: 10.1016/j.xnsj.2022.100187. PMID: 36561892; PMCID: PMC9763740.
 37. Ganga A, Leary OP, **Sastry RA**, Asaad WF, Svokos KA, Oyelese AA, Mermel LA. Antibiotic prophylaxis in penetrating traumatic brain injury: analysis of a single-center series and systematic review of the literature. *Acta Neurochir (Wien)*. 2022 Dec 19. doi: 10.1007/s00701-022-05432-2. Epub ahead of print. PMID: 36529784.
 38. Ganga A, Kim EJ, Tang OY, Feler JR, **Sastry RA**, Anderson MN, Keith SE, Fridley JS, Gokaslan ZL, Cielo DJ, Toms SA, Sullivan PZ. The burden of unhelmeted motorcycle injury: A nationwide scoring-based analysis of helmet safety legislation. *Injury*. 2023 Jan 3:S0020-1383(23)00009-8. doi: 10.1016/j.injury.2023.01.013. Epub ahead of print. PMID: 36646531.
 39. **Sastry RA**, Hagan M, Feler J, Abdulrazeq H, Walek K, Sullivan PZ, Abinader JF, Camara JQ, Niu T, Fridley JS, Oyelese AA, Sampath P, Telfeian AE, Gokaslan ZL, Toms SA, Weil RJ. Time of Discharge and 30-Day Re-Presentation to an Acute Care Setting After Elective Lumbar

- Decompression Surgery. *Neurosurgery*. 2023 Mar 1;92(3):507-514. doi: 10.1227/neu.0000000000002233. Epub 2022 Nov 16. PMID: 36700671.
40. Ganga A, Kim EJ, Tang OY, Feler JR, **Sastry RA**, Anderson MN, Keith SE, Fridley JS, Gokaslan ZL, Cielo DJ, Toms SA, Sullivan PZ. The burden of unhelmeted motorcycle injury: A nationwide scoring-based analysis of helmet safety legislation. *Injury*. 2023 Mar;54(3):848-856. doi: 10.1016/j.injury.2023.01.013. Epub 2023 Jan 3. PMID: 36646531.
 41. **Sastry RA**, Poggi J, King VA, Rao V, Spake CSL, Abdulrazeq H, Shao B, Kwan D, Woo AS, Klinge PM, Svokos KA. Superficial temporal artery injury and delayed post-cranioplasty infection. *Neurochirurgie*. 2023 Mar;69(2):101422. doi: 10.1016/j.neuchi.2023.101422. Epub 2023 Mar 1. PMID: 36868135.
 42. Klinge PM, Ma KL, Leary OP, **Sastry RA**, Sayied S, Venegas O, Brinker T, Gokaslan ZL. Charlson comorbidity index applied to shunted idiopathic normal pressure hydrocephalus. *Sci Rep*. 2023 Mar 29;13(1):5111. doi: 10.1038/s41598-023-32088-4. PMID: 36991111; PMCID: PMC10060378.
 43. **Sastry RA**, Chen JS, Shao B, Weil RJ, Chang KE, Maynard K, Syed SH, Zadnik Sullivan PL, Camara JQ, Niu T, Sampath P, Telfeian AE, Oyelese AA, Fridley JS, Gokaslan ZL. Patterns in Decompression and Fusion Procedures for Patients With Lumbar Stenosis After Major Clinical Trial Results, 2016 to 2019. *JAMA Netw Open*. 2023 Jul 3;6(7):e2326357. doi: 10.1001/jamanetworkopen.2023.26357. PMID: 37523184; PMCID: PMC10391306.
 44. Abdulrazeq H, Shao B, **Sastry RA**, Klinge PM. Microsurgical approach for resection of the filum terminale internum in tethered cord syndrome-a case demonstration of technical nuances and vignettes. *Acta Neurochir (Wien)*. 2023 Nov;165(11):3505-3509. doi: 10.1007/s00701-023-05568-9. Epub 2023 Apr 5. PMID: 37017726.
 45. Gong JH, **Sastry R**, Koh DJ, Soliman L, Sobti N, Oyelese AA, Gokaslan ZL, Fridley J, Woo AS. Early Outcomes of Muscle Flap Closures in Posterior Thoracolumbar Fusions: A Propensity-Matched Cohort Analysis. *World Neurosurg*. 2023 Dec;180:e392-e407. doi: 10.1016/j.wneu.2023.09.078. Epub 2023 Sep 26. PMID: 37769839.
 46. Kozel OA, Shao B, **Sastry RA**, Klinge PM, Svokos KA, Weil RJ. Postnatal Myelomeningocele Repair Rates: A Reflection of Their Milieu. *World Neurosurg*. 2023 Dec;180:241-242. doi: 10.1016/j.wneu.2023.10.062. Epub 2023 Oct 13. PMID: 37839570.
 47. Ganga A, Kim EJ, Lee JY, Leary OP, **Sastry RA**, Fridley JS, Chang KE, Niu T, Sullivan PZ, Somasundar PS, Gokaslan ZL. Disparities in Primary Spinal Osseous Malignant Bone Tumor Survival by Medicaid Status: A National Population-Based Risk Analysis. *World Neurosurg*. 2024 Jan;181:e192-e202. doi: 10.1016/j.wneu.2023.09.103. Epub 2023 Sep 29. PMID: 37777175.
 48. Guo CR, Rivera Perla KM, Leary OP, **Sastry RA**, Borrelli MR, Liu DD, Khunte M, Gokaslan ZL, Liu PY, Kwan D, Fridley JS, Woo AS. Systematic Review of Prophylactic Plastic Surgery Closure to Prevent Postoperative Wound Complications Following Spine Surgery. *World Neurosurg*. 2024 Apr;184:103-111. doi: 10.1016/j.wneu.2024.01.007. Epub 2024 Jan 6. PMID: 38185457.
 49. Feler, J., Wolman, D., Torabi, R., Chen, J. S., Teshome, A., **Sastry, R.**, ... & Mahta, A. (2024). Treatment of Spontaneous Subarachnoid Hemorrhage: A 20-Year National Inpatient Sample Review. *Stroke: Vascular and Interventional Neurology*, e001483.
 50. **Sastry RA**, Setty A, Liu DD, Zheng B, Ali R, Weil RJ, Roye GD, Doberstein CE, Oyelese AA, Niu T, Gokaslan ZL, Telfeian AE. Natural language processing augments comorbidity documentation in neurosurgical inpatient admissions. *PLoS One*. 2024 May 9;19(5):e0303519. doi: 10.1371/journal.pone.0303519. PMID: 38723044; PMCID: PMC11081267.
 51. **Sastry RA**, Levy JF, Chen JS, Weil RJ, Oyelese AA, Fridley JS, Gokaslan ZL. Lumbar Decompression With and Without Fusion for Lumbar Stenosis With Spondylolisthesis: A Cost Utility Analysis. *Spine (Phila Pa 1976)*. 2024 Jun 15;49(12):847-856. doi: 10.1097/BRS.0000000000004928. Epub 2024 Jan 22. PMID: 38251455.
 52. Abdulrazeq, H., Philips, A. P., **Sastry, R.**, Lauro, P. M., McLaughlin, N. C., & Asaad, W. F. (2024). The persistent value of lesions in psychiatric neurosurgery. *The Lancet Psychiatry*.

53. Leary, O. P., Shaaya, E. A., Chernysh, A. A., Seidler, M., **Sastry, R. A.**, Persad-Paisley, E., ... & Fridley, J. S. (2024). Microbubble Contrast-Enhanced Transcutaneous Ultrasound Enables Real-Time Spinal Cord Perfusion Monitoring Following Posterior Cervical Decompression. *World Neurosurgery*.
54. Tang OY, Ayala C, Feler JR, **Sastry RA**, Bajaj AI, Rivera Perla KM, Ganga A, Leary OP, Monje S, Madour J, Cielo DJ, Oyelese AA, Fridley JS, Toms SA, Gokaslan ZL, Zadnik Sullivan PL. Social determinants of health and outcome disparities in spine tumor surgery. Part 1: An analysis of 6.6 million nationwide admissions. *J Neurosurg Spine*. 2024 Aug 30;1-12. doi: 10.3171/2024.5.SPINE231081. Epub ahead of print. PMID: 39213677.
55. Tang OY, Leary OP, Ganga A, Feler JR, **Sastry RA**, Bajaj AI, Ayala C, Rivera Perla KM, Monje S, Madour J, Chernysh A, Cielo DJ, Oyelese AA, Fridley JS, Toms SA, Gokaslan ZL, Zadnik Sullivan PL. Social determinants of health and outcome disparities in spine tumor surgery. Part 2: Neighborhood disadvantage and long-term outcomes. *J Neurosurg Spine*. 2024 Aug 30;1-10. doi: 10.3171/2024.5.SPINE231082. Epub ahead of print. PMID: 39213662.
56. Schroeder, C. B., Michles, M. J., **Sastry, R. A.**, Chernysh, A. A., Leary, O. P., Sun, F., ... & Niu, T. A retrospective cohort analysis of alignment parameters for spinal tumor patients with instrumentation at the cervicothoracic junction. *North American Spine Society Journal (NASSJ)*.
57. Karimi H, **Sastry RA**, Shao B, Abdulrazeq H, Li X, Niu T. Management of atraumatic chin-on-chest deformity in newly diagnosed multiple myeloma: illustrative case. *J Neurosurg Case Lessons*. 2024 Dec 2;8(23):CASE2441. doi: 10.3171/CASE2441. PMID: 39622040; PMCID: PMC11616146.
58. Feler J, Wolman D, Torabi R, **et al.** Treatment of Spontaneous Subarachnoid Hemorrhage: A 20-year National Inpatient Sample Review. *medRxiv*; 2024. DOI: 10.1101/2024.05.01.24306726.
59. Porto CM, **Sastry RA**, Torabi R, Santos Fontanez SE, Feler J, Ranellone T, Moldovan K, Shaaya E, Jayaraman MV, Doberstein C, Wolman DN. Emergent Endovascular Intervention for Acute Neurological Deficits Post-Carotid Endarterectomy: A Single-Institutional Analysis and Systematic Review of the Literature. *J Neuroendovasc Ther*. 2025;19(1):2025-0050. doi: 10.5797/jnet.0a.2025-0050. Epub 2025 Jun 24. PMID: 40575658; PMCID: PMC12202132.
60. Taman M, Abdulrazeq H, Chuck C, **Sastry RA**, Ali R, Chen CC, Malik AN, Sullivan PLZ, Oyelese A, Gokaslan ZL, Fridley JS. Vasopressor Use in Acute Spinal Cord Injury: Current Evidence and Clinical Implications. *J Clin Med*. 2025 Jan 29;14(3):902. doi: 10.3390/jcm14030902. PMID: 39941573; PMCID: PMC11818478.
61. Chernysh AA, Leyendecker J, Leary OP, **Sastry RA**, Gokaslan ZL, Fridley JS, Derman P, Kashlan O, Konakondla S, Ogunlade J, Hofstetter CP, Telfeian AE. Comparison of Pain and Functional Outcomes Among Geriatric and Nongeriatric Adults Following Full Endoscopic Spine Surgery for Degenerative Lumbar Pathology. *Int J Spine Surg*. 2025 Mar 6;19(1):27-38. doi: 10.14444/8693. PMID: 39689970; PMCID: PMC12053108.
62. Wong ET, Cielo D, Svokos K, Doberstein C, Sampath P, Donahue JE, Punsoni M, Rodrigues N, Rothell F, Edwards R, Wang E, Riccelli T, Chuck C, Shaaya EA, **Sastry R**, Ali R, Shao B, Abdulrazeq H, Sun FW, Feler J, Santos Fontánez SE, Nieves NA, Dobertsein C, Dailey J, Yu C, Sarangi S, Elinzano H, Boxerman JL, Yu E, Safran H, Seyhan AA, El-Deiry WS, Keith S, Gokaslan ZL, Chen CC, Malik A. IGV-001 cellular immunotherapy for newly diagnosed glioblastoma: overcoming the logistic challenge. *Front Oncol*. 2025 Mar 18;15:1556450. doi: 10.3389/fonc.2025.1556450. PMID: 40171253; PMCID: PMC11959700.
63. Sobti N, Spake CSL, Hu D, Persad-Paisley E, Rao V, King V, **Sastry R**, Oyelese A, Gokaslan Z, Kwan D, Liu PY, Woo AS. Technique refinement for complex locoregional reconstruction after spine surgery: Optimization of closed suction drain use. *J Plast Reconstr Aesthet Surg*. 2025 Apr;103:148-156. doi: 10.1016/j.bjps.2025.01.073. Epub 2025 Jan 31. PMID: 39978170.
64. Porto C, Abdulrazeq H, **Sastry R**, Chang A, Riccelli T, Punsoni M, Sampath P. Extra-axial small cell prostate carcinoma intracranial metastasis: illustrative case. *J Neurosurg Case Lessons*. 2025 Apr 28;9(17):CASE24705. doi: 10.3171/CASE24705. PMID: 40294525; PMCID: PMC12036363.

65. Amaral-Nieves N, Sagaityte E, Shao B, Sampath S, Sastry R, Sampath P, Klinge PM, Cielo D. Tandem Detethering: A Novel One-Stage Approach Combining Cervicothoracic Cord Release Followed by Filum Terminale Sectioning. *J Clin Med*. 2025 Oct 11;14(20):7169. doi: 10.3390/jcm14207169. PMID: 41156039; PMCID: PMC12564502.
66. Taman M, Teshome AA, Ganga A, Persad E, Leary OP, Gokcebel S, Sastry R, Zadnik Sullivan PL, Chang KE, Oyelese AA, Gokaslan ZL, Fridley JS, Niu T. The Role of Recombinant Human Bone Morphogenetic Protein-2 in Atlantoaxial Arthrodesis: Institutional Predictors and Systematic Review of Outcomes. *J Clin Med*. 2025 Dec 10;14(24):8731. doi: 10.3390/jcm14248731. PMID: 41464634; PMCID: PMC12734091.
67. de Lomba WC, Leary OP, Eke CK, Schroeder C, Sastry R, Sobti N, Sun FW, Ahn S, Barhouse P, Lim J, Lou M, Nadella A, Nadella M, Porto C, Chernysh AA, Telfeian AE, Zadnik Sullivan PL, Niu T, Liu PY, Oyelese AA, Gokaslan ZL, Woo AS, Fridley JS. Prophylactic Paraspinous Flap Closure in Spine Surgery Patients at High Risk of Wound Complication: Single-Institutional Experience with 257 Patients Across Diverse Indications. *World Neurosurg*. 2026 Jan;205:124663. doi: 10.1016/j.wneu.2025.124663. Epub 2025 Nov 24. PMID: 41297624.
68. Porto C, Hagan MJ, Sastry R, Tang OY, Leary OP, Fridley JS. The 5-Item Modified Frailty Index Aids in Predicting Risk of In-Hospital Complications Following Spine Trauma: A United States Nationwide Cohort Analysis of 356,583 Patients. *Neurotrauma Rep*. 2026;7(1):61-70. doi: 10.1177/2689288X251414776. Epub 2026 Mar 10.
69. Iyer HG, Navarro-Garcia de Llano JP, Wang EJ, Johnson WR 4th, Sastry RA, de la Garza Ramos R, Sampath P, Gokaslan ZL, Oyelese AA, Akinduro OO. Robotic-Assisted Single-Position Lateral Mini-Open Upper Lumbar Corpectomy with Posterior Percutaneous Pedicle Screw Fixation: A Technical Note with Illustrative Case Series. *Appl Sci*. 2026 Apr 3;16(7):3501. doi: 10.3390/app16073501.
70. Michles MJ, de Lomba WC, Sun FW, Tang OY, Reavis J, Leary OP, Bergsneider B, Bispo F, Wang EJ, Sastry RA, Fridley JS, Oyelese AA, Gokaslan ZL, Zadnik Sullivan PL. Labor and Disability: A Nation-Wide Analysis of Pregnancy Outcomes after Spinal Cord Injury. *J Neurotrauma*. Published online May 4, 2026. doi: 10.1177/08977151261438979.

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
13. Bajaj, Ankush; **Sastry, Rahul MD**; Wang, Elaina; Pertsch, Nathan J.; Weil, Robert 358 Cost Analysis of Complications After Craniotomy for Brain Tumor, *Neurosurgery: April 2022 - Volume 68 - Issue Supplement_1 - p 85*, Oral Presentation, *Congress of Neurological Surgeons 2021*, Austin, TX
14. Tang, Oliver Y.; Shao, Belinda; Kimata, Anna; **Sastry, Rahul**; Asaad, Wael MD, PhD 473 The Impact of Frailty on Traumatic Brain Injury Outcomes: An Analysis of 691,821 Nationwide Cases, *Neurosurgery: April 2022 - Volume 68 - Issue Supplement_1 - p 116* doi: 10.1227/NEU.0000000000001880_473
15. **Sastry RA**, Hagan M, Shaaya EA, Sullivan PZ, Fernandez Abinader J, Camara JQ, Niu T, Fridley JS, Oyelese AA, Sampath P, Telfeian AE, Gokaslan ZL, Toms SA, Weil RJ. Influence of Time of Discharge and Length of Stay on 30-day Outcomes after Elective Anterior Cervical Spine Surgery, Oral Presentation, *Spine Summit 2022*, Las Vegas, NV, 2022
16. **Sastry RA**, Feler JR, Shao B, Ali R, McNicoll L, Telfeian AE, Oyelese AA, Weil RJ, Gokaslan ZL. Association Between Physiologic Frailty and Discharge Outcomes After Admission for Non-operative Traumatic Brain Injury, Oral Presentation, *AANS 2022*, Philadelphia, PA, 2022
17. Hagan MJ, **Sastry RA**, Feler JR, Shaaya EA, Sullivan P, Abinader J, Camara J, Niu T, Fridley J, Oyelese A, Sampath P, Telfeian A, Gokaslan Z, Toms S, Weil R. Socioeconomic Status Predicts Disproportionate Healthcare Utilization Following Elective Spine Surgery, Poster, *AANS 2022*, Philadelphia, PA, 2022
18. Karimi H, **Sastry RA**, Leary OP, Klinge PM. Subcuticular closure does not appear to cause a significant risk of post-operative CSF drainage compared running closure, even in the presence of pseudomeningocele, Oral Presentation, *NENS 2022*, Chatham, MA, 2022
19. Hagan M, Telfeian A, **Sastry R**, Oyelese A, Fridley J, Camara J, Niu, T, Lewandrowski K, Konakondla S, Barber S, Lane K, Gokaslan Z. Awake, Transforaminal Endoscopic Lumbar Facet Cyst Resection: Technical Note and Case Series, Oral Presentation, *NENS 2022*, Chatham, MA, 2022
20. Hagan M, **Sastry R**, Behar M, Feler J, Xi K, Walek K, Ma K, Leary O, Cielo D, Svokos K, Klinge P, Weil R, Healthcare Resource Utilization Following Elective Ventriculoperitoneal Shunt Placement for Normal Pressure Hydrocephalus, Poster, *CNS 2022*
21. **Sastry R**, Poggi J, King V, Rao V, Spake C, Abdulrazeq H, Shao B, Kwan D, Woo A, Klinge P, Svokos K, Superficial Temporal Artery Injury and Delayed Post-Cranioplasty Infection, Poster, *CNS 2022*
22. Ganga A, Persad-Paisley E, Leary O, Tang O, **Sastry R**, Oyelese A, Gokaslan Z, Fridley J, Niu T, The use of recombinant human bone morphogenetic protein (rhBMP-2) in adult and pediatric atlantoaxial arthrodesis: outcomes from a single-institutional series, Poster, *CNS 2022*
23. **Rahul Sastry**, Matthew Hagan, Mark Behar, Joshua Feler, Konrad Walek, Kevin Ma, Owen Leary, Deus Cielo, Konstantina Svokos, Petra Klinge, Robert Weil, Time of Discharge and 30-day Re-

- presentation to Acute Care after Elective Ventriculoperitoneal Shunt for Normal Pressure Hydrocephalus, Poster, *CNS 2022*
24. Josh Feler, Jonathan Poggi, **Rahul Sastry**, Elias Shaaya, Santos Santos-Fontanez, Natalie Amaral Nieves, Matthew Anderson, Krisztina Moldovan, Radmehr Torabi, Ali Mahta, Effect of Tract Hemorrhage on Neurological Outcomes and Length of Stay in Aneurysmal Subarachnoid Hemorrhage, Poster, *CNS 2022*
 25. **Rahul Sastry**, Aayush Setty, David Liu, Bryan Zheng, Rohaid Ali, Robert Weil, G. Dean Roye, Curtis Doberstein, Adetokunbo Oyelese, Tianyi Niu, Ziya Gokaslan, Albert Telfeian, Natural Language Processing Augments Comorbidity Documentation in Neurosurgical Inpatient Admissions, Poster, *CNS 2022*
 26. Matthew Hagan, Nathan Pertsch, **Rahul Sastry**, Bryan Zheng, Owen Leary, Jared Fridley, Influence of socioeconomic factors on discharge disposition following traumatic cervicothoracic spinal cord injury at level I and II trauma centers in the United States, Poster, *CNS 2022*
 27. Kevin Ma, Owen Leary, **Rahul Sastry**, Matthew Hagan, Ollin Venegas, Umer Akbar, Konstantina Svokos, Petra Klinge, Correlation of Baseline Patient Comorbidity Status with Postoperative Outcome Following Ventriculoperitoneal Shunt Placement for Normal Pressure Hydrocephalus: Application of the Charlson Comorbidity Index, Poster, *CNS 2022*
 28. Rohaid Ali, Matthew Hagan, Oliver Tang, **Rahul Sastry**, Jill O'Brien, G. Dean Roye, Steven Toms, Wael Asaad, Curtis Doberstein, Adetokunbo Oyelese, Ziya Gokaslan, Albert Telfeian, Switching from system-based to problem-based charting increases the patient-specific expected mortality rate and length of stay on a neurosurgery service, Poster & Oral Presentation, *CNS 2022*
 29. Shaaya E, Leary O, **Sastry R**, Zhu M, Persad-Paisley E, Seidler M, Beland M, Fridley J, In Vivo Evaluation of Spinal Cord Perfusion Using Contrast-Enhanced Transcutaneous Ultrasound, Oral Poster, *CNS 2022*
 30. **Sastry R**, Hagan M, Telfeian AE, Gokaslan ZL, Influence of time of discharge and length of stay on 30-day outcomes after elective lumbar spine surgery, Poster, *NASS 2022*
 31. Hagan M, **Sastry M**, Telfeian AE, Gokaslan ZL, Predictors of extended length of stay and discharge disposition following elective lumbar spine surgery, Poster, *NASS 2022*
 32. Shao B, Chen J, Kozel O, Tang OY, Amaral-Nieves N, **Sastry RA**, Mar KM, Klinge PM, Weil RJ, Carr SR, Svokos K, Postnatal myelomeningocele repair: trends in national surgical volume before and after the landmark MOMS trial, Oral Presentation, 2022 AANS/CNS Joint Pediatrics Section Meeting, Washington DC
 33. Ganga A, Kim EJ, Tang OY, Feler JR, **Sastry RA**, Anderson MN, Keith SE, Fridley JS, Gokaslan ZL, Cielo DJ, Toms SA, Sullivan PZ. The burden of unhelmeted motorcycle injury: A nationwide scoring-based analysis of helmet safety legislation, Poster, 2023 Transportation Research Board Annual Meeting, Washington DC
 34. Ali, Rohaid; Hagan, Matthew; Tang, Oliver Young; **Sastry, Rahul MD**; O'Brien, Jill; Dean Roye, G.; Toms, Steven A. MD, MPH FAANS, FACS; Asaad, Wael MD, PhD; Doberstein, Curtis E. MD; Oyelese, Adetokunbo; Gokaslan, Ziya L. MD; Telfeian, Albert Edward MD, PhD, FAANS. 116 Switching from System-Based to Problem-Based Charting Increases the Patient-Specific Expected Mortality Rate and Length of Stay on a Neurosurgery Service. *Neurosurgery* 69(Supplement_1):p 27-28, April 2023. Presented at *CNS 2022*
 35. Shaaya, Elias MD; Leary, Owen P. ScB; **Sastry, Rahul MD**; Zhu, Michelle; Persad-Paisley, Elijah; Seidler, Michael; Beland, Michael; Fridley, Jared MD. 769 In Vivo Evaluation of Spinal Cord Perfusion Using Contrast-Enhanced Transcutaneous Ultrasound. *Neurosurgery* 69(Supplement_1):p 36, April 2023. | DOI: 10.1227/neu.0000000000002375_769. Presented at *CNS 2022*.
 36. Gong, J. H., **Sastry, R.**, Koh, D. J., Soliman, L., Sobti, N., Fridley, J., & Woo, A. S. (2023). D45. Early Outcomes of Muscle Flap Closures in Complex Spine Surgeries: A Propensity-matched Cohort Analysis. *Plastic and Reconstructive Surgery–Global Open*, 11(4S), 84. Poster at *AAPS 2023*.

37. Porto, Carl Michael; **Sastry, Rahul MD**; Moldovan, Krisztina MD; Torabi, Radmehr MD, BS. 705 Urgent or Emergent Endovascular Intervention for Neurological Deficits Post-carotid Endarterectomy: A Single-institutional Case Series and Systematic Review of the Literature. *Neurosurgery* 70(Supplement_1):p 162-163, April 2024. | DOI: 10.1227/neu.0000000000002809_705. Oral Presentation at *CNS 2023*.
38. Feler J, Chen J, Sastry R, et al. E-157 Twenty-year trends in hospital discharges after aneurysmal subarachnoid hemorrhage. *Journal of NeuroInterventional Surgery* 2024;16:A179-A180. Presented at *SNIS 21st Annual Meeting*
39. Schroeder, Christian; Tang, Oliver; Leary, Owen P.; Kulkarni, ScB; Shreyas; Ayala, Cameron; Sastry, Rahul MD; Camara-Quintana, Joaquin; Niu, Tianyi MD; Telfeian, Albert; Oyelese, Adetokunbo; Fridley, Jared MD; Gokaslan, Ziya L. MD; Sullivan, Patricia. 2026 Development of a Modified Radiographic Spinal Instability Neoplastic Score (rSINS): Towards Earlier Referral and Management of Metastatic Spine Tumors. *Neurosurgery* 71(Supplement_1):p 248, April 2025. | DOI: 10.1227/neu.0000000000003360_2026. Presented at *CNS 2024*.
40. Chernysh AA, Leyendecker J, Leary OP, Sastry RA, Gokaslan ZL, Fridley JS, Derman P, Kashlan O, Konakondla S, Ogunlade J, Hofstetter CP, Telfeian AE. 1075 Comparison of Pain and Functional Outcomes Among Geriatric and Non-Geriatric Adults Following Full Endoscopic Spine Surgery for Degenerative Lumbar Pathology: Analysis of a Multi-Center Prospective Cohort. *Neurosurgery*. 2025 Apr;71(Suppl 1):154-155. doi: 10.1227/neu.0000000000003360_1075. Presented at *CNS 2024*.

UNIVERSITY TEACHING AND ADVISING 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. Assistant Resident Teaching Assistant and Mentor, Neurosurgery Preclinical Elective, Warren Alpert Medical School, Brown University, 2018-2021
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
5. Course Director and Primary Instructor, BIOL 6534: Neurosurgery Preclinical Elective, Warren Alpert Medical School, Brown University, Fall & Spring 2022-2023 AY

INVITED LECTURES AND PRESENTATIONS

1. Invited Lecture, “(Severe) TBI: Pearls and Pitfalls for ED Providers”, Brown University/Rhode Island Hospital Emergency Medicine Residency Program, November 2, 2022
2. Invited Lecture, “Metastatic and Primary Tumors in the Cranio-Cervical Spine: Resection Principles and Reconstructive Options”, Spine Therapy Society Regional Meeting, San Francisco, CA, July 27, 2026