

BELINDA SHAO

TRAINING

2019-Present Resident Physician
Brown University Department of Neurological Surgery

EDUCATION

2014-2019 M.D., M.P.H.
Rutgers New Jersey Medical School
Rutgers School of Public Health

2008-2012 B.A. Neuroscience & Behavior
Columbia College of Columbia University in the City of New York

SCHOLARSHIPS, GRANTS, AND AWARDS

2023 Scholarship for Lurie Children's Minimally Invasive Pediatric Neurosurgery Course
2023 Sanjiv Bhatia Global Pediatric Neurosurgery Travel Grant, AANS/CNS Pediatric Section
2023 Resident Traveling Fellowship in Pediatric Neurosurgery, AANS/CNS Pediatric Section
2017-2019 Gold Humanism Honor Society Scholar, The Arnold P. Gold Foundation
2019 Student Family Health Care Center Family Medicine Award, Rutgers NJMS
2015, 2017 Dr. Richard Pozen & Mrs. Ann Silver Pozen Community Service Scholarship, Rutgers NJMS
2015-2019 Alumni Association Endowed Scholarship, Rutgers NJMS
2016 American Psychiatric Association Helping Hands Grant (NJMS student clinic project)
2014 AAMC Hotspotting Learning Collaborative Grant (NJMS hotspotting project)
2012 Senior Marshal Award, Columbia College Class of 2012
2012 Community Builder Award, Columbia College Class of 2012
2011 Residential Advisor of the Year, Columbia University Department of Residential Programs

LEADERSHIP, COMMITTEES, AND PANELS

2023-Present Neurosurgery Outreach Foundation, Volunteer
2023 Providence Gun Violence Prevention Fair (community health event 5/2023)
2022-Present International Relations Committee, AANS/CNS Joint Section on Pediatric Neurosurgery
2022-Present Brown Neurosurgery Wellness Committee
2022-Present Resident Chair, Brown Neurosurgery Academic Curriculum AY 2022-23
2020-Present Brown Neurosurgery Diversity Initiatives Committee
2022 Brown Neurosurgery Softball Committee
2022 Providence Bike Helmet and Safety Drive (community health TBI prevention event)
2021 Moderator, Brown Global Neurosurgery Virtual Visiting Professors Panel
2020 Neurosurgery Spine Service Length of Stay Reduction Committee
2019-Present Resident Mentor, Brown Alpert Medical School Neurosurgery Interest Elective
2018 Pediatric Pain Control Committee, New York Presbyterian Hospital
2015-2017 Clinic Director, NJMS Student-Run Free Clinic at Apostle's House for Women and Children
2014-2016 Director, NJMS-AAMC Interprofessional Student Hotspotting Collaborative

PUBLISHED MANUSCRIPTS

1. Sastry RA, Chen JS, **Shao B**, Weil RJ, Chang K, 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 Network Open*. 2023;6(7):e2326357. doi:10.1001/jamanetworkopen.2023.26357
2. Zheng B, **Shao B**, Abdulrazeq HA, Liu DD, Lauro PM, Bartolini L, Blum AS, Asaad WF. Seizure and Anatomical Outcomes of Repeat Laser Amygdalohippocampotomy for Temporal Lobe Epilepsy: A Single-Institution Case Series. *Epilepsy and Behavior*. <https://doi.org/10.1016/j.yebeh.2023.109365>. 1525-5050
3. **Shao B**, Chen JS, Kozel OA, Tang OY, Amaral-Nieves N, Sastry RA, Watson-Smith D, Monteagudo J, Luks FI, Carr SR, Klinge PM, Weil RJ, Svokos KA. Postnatal Myelomeningocele Repair in the United States: Rates and Disparities Before and After the Management of Myelomeningocele Study Trial. *Neurosurgery*. 2023 Jul 21. doi: 10.1227/neu.0000000000002604. Epub ahead of print. PMID: 37477441.
4. Abdulrazeq H, **Shao B**, Sastry A, Klinge PM. Microsurgical approach for resection of the filum terminale internum in tethered cord syndrome—a case demonstration of technical nuances and vignettes. *Acta Neurochirurgica*. 19 Mar 2023, doi.org/10.1007/s00701-023-05568-9
5. Habte YW, Pajer HB, Abicho TB, Feleke Y, Bizuneh YA, **Shao B**, Spader HS. Validation of the Canadian CT Head Rule and the New Orleans Criteria for Mild Traumatic Brain Injury in Ethiopia. *World Neurosurgery*. 2023, ISSN 1878-8750, <https://doi.org/10.1016/j.wneu.2023.02.108>.
6. **Shao B**, Wojcik D, Ma KL, Amaral-Nieves N, Poggi JA, Leary OP, Klinge PM. Reappraisal of intradural findings in Chiari malformation type I. *Neurosurg Focus*. 2023 Mar;54(3):E2. doi: 10.3171/2022.12.FOCUS22628. PMID: 36857788.
7. Sastry RA, Poggi J, King V, Rao V, Spake C, Abdulrazeq HA, **Shao B**, Kwan D, Woo A, Klinge P, Svokos K. Superficial Temporal Artery Injury and Delayed Post-Cranioplasty Infection. *Neurochirurgie*. 2023 Mar;69:2. doi: 10.1016/j.neuchi.2023.101422.
8. Ganga A, Kim EJ, Araia ES, Hagan M, **Shao B**, Svokos K, Klinge PM, Cielo DJ, Fridley JS, Gokaslan ZL, Toms SA, Sullivan PZ. Pediatric all-terrain vehicle (ATV) related head injury rates and patterns: A 10-year nationwide analysis. *Am J Emerg Med*. 2023 Feb 10;67:56-62. doi: 10.1016/j.ajem.2023.02.007. Epub ahead of print. PMID: 36804750.
9. **Shao B**, Poggi JA, Amaral-Nieves N, Wojcik D, Ma KL, Leary OP, Klinge PM. Compromised Cranio-Spinal Suspension in Chiari Malformation Type 1: A Potential Role as Secondary Pathophysiology. *J Clin Med*. 2022 Dec 15;11(24):7437. doi: 10.3390/jcm11247437. PMID: 36556053; PMCID: PMC9788407.
10. Persad-Paisley EM, Andrea SB, Leary OP, Carvalho OD, Zeyl VG, Laguna AR, Anderson MN, **Shao B**, Toms SA, Oyelese AA, Gokaslan ZL, Sharkey KM. Continued underrepresentation of historically excluded groups in the neurosurgery pipeline: an analysis of racial and ethnic trends across stages of medical training from 2012 to 2020. *J Neurosurg*. 2022 Oct 21:1-10. doi: 10.3171/2022.8.JNS221143. Epub ahead of print. PMID: 36272123.
11. 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.
12. 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.

13. **Shao B**, Zheng B, Liu DD, Anderson MN, Svokos K, Bartolini L, Asaad WF. Seizure freedom after laser amygdalohippocampotomy guided by bilateral responsive neurostimulation in pediatric epilepsy: illustrative case. *J Neurosurg Case Lessons*. 2022 Aug 29;4(9):CASE22235. doi: 10.3171/CASE22235. PMID: 36046265; PMCID: PMC9426349.
14. Tang OY, Zadnik Sullivan P, Tubre T, Feler J, **Shao B**, Hart J, Gokaslan Z. Navigation-assisted resection of tumoral calcinosis of the lumbosacral spine: illustrative case. *J Neurosurg Case Lessons*. 2022 Jul 25;4(4):CASE22213. doi: 10.3171/CASE22213. PMID: 36046265; PMCID: PMC9329862
15. **Shao B**, Hagan MJ, Sastry RA, Kritselis M, Donahue JE, Toms SA. An Instructive Case of Cerebral Mucormycosis. *Rhode Island Medical Journal*. 2022 Mar 1;105(2). PMID: 35211702
16. Hagan MJ, Syed S, Leary OP, Persad-Paisley EM, Lin Y, Zheng B, **Shao B**, Abdulrazeq H, James YH, Telfeian AE, Gokaslan ZL. Pedicle Screw Placement Using Intraoperative CT and Computer Aided Spinal Navigation Improves Screw Accuracy and Avoids Postoperative Revisions: Single-Center Analysis Of 1400 Pedicle Screws. *World Neurosurgery*. 2022 Jan 3; 160(e169–e179)
17. **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 Neurosurgery*. 2021 Jul;151:e523. NIHMS1709713
18. 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
19. Alexiades NG, **Shao B**, Braga BP, Bonfield CM, Brockmeyer DL, Browd SR, DiLuna M, Groves ML, Hankinson TC, Jea A, Leonard JR, Lew SM, Limbrick DD, Mangano FT, Martin J, Pahys J, Powers A, Proctor MR, Rodriguez L, Rozzelle C, Storm PB, Anderson RCE. Development of best practices in the utilization and implementation of pediatric cervical spine traction: a modified Delphi study. *J Neurosurg Pediatr*. 2021 Apr 2;27(6):649-660. doi: 10.3171/2020.10.PEDS20778. PMID: 33799292
20. 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*. 2021 Jan 1;145:e242-51. PMID: 33065346
21. Sastry RA, Pertsch NJ, Tang O, **Shao B**, Toms SA, Weil RJ. Frailty and outcomes after craniotomy for brain tumor. *Journal of Clinical Neuroscience*. 2020 Nov 1;81:95-100. PMID: 33222979
22. Alexiades NG, **Shao B**, Saiman L, Feldstein N, Anderson RC. High Prevalence of Gram-Negative Rod and MultiOrganism Surgical Site Infections after Pediatric Complex Tethered Spinal Cord Surgery: Preliminary Report from a Single-Center Study. *Pediatric neurosurgery*. Epub 2020 Jul 16;55(2):92-100. PMID: 32674104
23. **Shao B**, Tariq AA, Goldstein HE, Alexiades NG, Mar KM, Feldstein NA, Anderson RCE, Giordano M. Multimodal Analgesia After Posterior Fossa Decompression With and Without Duraplasty for Children With Chiari Type I. *Hospital Pediatrics*. 2020 May;10(5):447-451. PMID: 32321740.
24. **Shao B**, Tariq AA, Goldstein HE, Alexiades NG, Mar KM, Feldstein NA, Anderson RCE, Giordano M. Opioid Sparing Multimodal Analgesia After Selective Dorsal Rhizotomy. *Hosp Pediatrics*. 2020 Jan;10(1):84-89. doi: 10.1542/hpeds.2019-0016. PMID: 31862854
25. Silva N, Cerasiello S, Semonche A, Sotayo A, Luis J, **Shao B**, Richardson A, Eloy JA. Gender Representation at Neurological Surgery Conferences. *World Neurosurgery*. 2019 Sep; 129:453-459. PMID: 31212029
26. Goldstein HE, **Shao B**, Madsen PJ, Hartnett SM, Blount JP, Brockmeyer DL, Campbell RM, Conklin M, Hankinson TC, Heuer GG, Jea AH, Kennedy BC, Tuite GF, Rodriguez L, Feldstein NA, Vitale MG, Anderson RCE. Increased complications without neurological benefit are associated with prophylactic spinal cord untethering prior to scoliosis surgery in children with myelomeningocele. *Childs Nerv Syst*. Epub 2019 Jul 2. PMID: 31267182

27. **Shao B**, Banu MA, Carroll JJ, Meyers PM, Lavine SD, Feldstein NA, Anderson RCE. Cerebral Vasospasm after Open Fenestration of an Arachnoid Cyst in a 4-Year-Old Boy: Case Report and Review of the Literature. *Pediatric Neurosurgery*. 2019 Jan16:1-7. PMID: 30650412.
28. Su YS, **Shao B**, Pachet TTV, Welch WC. Thoracic Meningoceles in NF1: Case Report and Considerations for Surgical Management. *Annals of Surgical Case Reports*. 2019; 2(2): 1019.
29. Alexiades NG, Ahn ES, Blount JP, Brockmeyer DL, Browd SR, Grant GA, Heuer GG, Hankinson TC, Iskandar BJ, Jea A, Krieger MD, Leonard JR, Limbrick D, Maher CO, Proctor MR, Sandberg DI, Wellons JC, **Shao B**, Feldstein NA, Anderson RCE. Development of best practices to minimize wound complications after complex tethered spinal cord surgery: a modified Delphi study. *J Neurosurg Pediatrics*. 2018 Dec 1;22(6):701-709. PMID: 30215584.
30. Goldstein HE, Youngerman BE, **Shao B**, Akman CI, Mandel AM, McBrien DK, Riviello JK, Sheth SA, McKhann GM, Feldstein NA. Safety and Efficacy of Stereoelectroencephalography (sEEG) in Pediatric Focal Epilepsy: a Single-Center Experience. *JNS: Pediatrics*, 2018 Jul 20:1-9. PMID 30028270
31. Silva N, **Shao B**, Sylvester MA, Eloy J, Gandhi C. Unruptured aneurysms in the elderly: perioperative outcomes and cost analysis of endovascular coiling and surgical clipping. *Neurosurgical Focus* 2018, 44(5):E4. PMID 29712518
32. Majmundar N, **Shao B**, Assina RA. Lung adenocarcinoma presenting as intramedullary spinal cord metastasis: Case report and review of literature. *J Clinical Neuroscience*, 2018 Apr 6. PMID 29631755
33. Fernandez A, Lantigua H, Lesch C, **Shao B**, Foreman B, Schmidt JM, Hirsch LJ, Mayer SA, Claassen J. Highdose midazolam infusion for refractory status epilepticus. *Neurology* 2014, 82(4):359-365. PMID 24363133
34. Zhao Z, Lange DJ, Ho L, Bonini S, **Shao B**, Salton SR, Thomas S, Pasinetti GM. VGF is a novel biomarker associated with muscle weakness in amyotrophic lateral sclerosis, with a potential role in disease pathogenesis. *Int J Med Sci* 2008; 5(2):92-99. PMID 18432310

PUBLISHED ABSTRACTS

1. **Shao B**, Wojcik D, Ma KL, Amaral-Nieves N, Poggi JA, Leary OP, Klinge PM. Intradural pathology in posterior fossa decompression with duraplasty for Chiari Type 1 with and without syringomyelia: vascular, tonsillar, and arachnoid abnormalities at the craniocervical junction. *J Neurosurg* May 2023 - Volume 138 - DOI: 10.3171/2023.5.JNS.AANS2023abstracts
2. Tang OY, **Shao B**, Kimata A, Sastry RA, Asaad WF. 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
3. **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*. 2020 Dec;67(Supplement_1):nyaa447_149.
4. Sastry R, Pertsch NJ, Tang OY, **Shao B**, Toms SA, Weil RJ. Frailty and Outcomes After Craniotomy for Nontraumatic Subdural Hematoma. *Neurosurgery*. 2020 Dec;67(Supplement_1):nyaa447_425.
5. Azevedo C, **Shao B**, Mammis A. An alternative surgical path to dorsal root ganglion stimulator implantation in a patient with obliterated epidural space due to gunshot wound [abstract]. *International Neuromodulation Society 13th World Congress*; Edinburgh, UK, May 2011. In: *Neuromodulation 2017*, 20: e458. DOI: 10.1111/ner.12647
6. Agarwal S, **Shao B**, Claassen J, Mayer SA, Schmidt JM, Lee K, Connolly ES, Badjatia N. Diagnostic Yield of MR Cervical Spine Imaging and Second-Look DSA in Spontaneous Subarachnoid Haemorrhage with Unknown Source [abstract]. *Neurocritical Care Society 9th Annual Meeting*; Montreal, Canada, Sept 2011. In: *Neurocritical Care 2011* 15:S34. PMID: 21901568

CHAPTERS, EDITORIALS

1. Spinazzi EF, Upadhyayula PS, **Shao B**, Meyers PM. Acute Stroke Following Carotid Endarterectomy: Approach and Strategy. In *12 Strokes 2021* (pp. 247-256). Springer, Cham.
2. **Shao B**, Anderson RCE, Giordano M. Opioid Epidemic: What Families Should Know about Pediatric Postoperative Pain Control. *Neurosurgery Blog*. <www.neurosurgeryblog.org/2018/11/02/opioid-epidemic-whatfamilies-should-know-about-pediatric-post-operative-pain-control/> Published online Nov 2, 2018.

POSTERS & PRESENTATIONS

1. **B.Shao**, L. Wirth, K. Ma, O. Leary, S. Sayied, O. Kozel, N. Amaral-Nieves, P. Klinge, C. Trask. Quantifying Cognitive and Affective Dysfunction in Chiari Malformation Type I Patients with the Cerebellar Cognitive Affective Syndrome Scale and the Cerebellar Neuropsychiatric Rating Scale. *Selected as oral presentation, CNS 2023 Annual Meeting*.
2. Abdulrazeq H, **Shao B**, Sastry A, Klinge PM. Microsurgical approach for resection of the filum terminale internum in tethered cord syndrome - Technical Nuances. *Selected as oral presentation, CNS 2023 Annual Meeting*.
1. **B.Shao**, L. Wirth, K. Ma, O. Leary, S. Sayied, O. Kozel, N. Amaral-Nieves, P. Klinge, C. Trask. Chiari and Cognition: Use of the Cerebellar Cognitive Affective Syndrome Scale and the Cerebellar Neuropsychiatric Rating Scale in Chiari Malformation Type I. Selected as Oral Presentation, New England Neurosurgical Society Meeting 2023 (Chatham, MA).
2. O. Kozel, **B. Shao**, L. Wirth, E. Sagaityte, C. Schroeder, H. Spader, K. Svokos. "Get'cha Head Out of the Game": An Overview of Ivy League Concussion Protocols. Selected as Oral Presentation, New England Neurosurgical Society Meeting 2023 (Chatham, MA).
3. **Shao B**, Wojcik D, Ma KL, Amaral-Nieves N, Poggi JA, Leary OP, Klinge PM. Intradural pathologies in Chiari malformation type I. Oral Presentation, AANS Annual Meeting 2023 (Los Angeles, CA).
4. **Shao B**, Chen JS, Kozel O, Tang OY, Sastry RA, Amaral-Nieves N, Klinge PM, Weil RJ, Svokos KA. National trends in postnatal myelomeningocele repair in the decades before and after the MOMS trial. Oral Presentation, 2022 AANS/CNS Pediatric Section Meeting (Washington, DC).
5. Tang OY, Perla KMR, Shao B, Chen JS, Bajaj AI, Monje S, Svokos KA, Klinge PM, Gokaslan ZL, Toms SA. Changes in Pediatric Neurosurgery Presentation, Management, and Outcomes During COVID-19 Pandemic. as abstract: 2022 AANS/CNS Pediatric Section Meeting (Washington, DC).
6. Wondafrash YH, Pajer H, Abicho TB, Feleke Y, Bizuneh YA, **Shao B**, Spader H. Validation of the Canadian CT Head Rule and the New Orleans Criteria for Mild Traumatic Brain Injury Using a Population from Ethiopia. Selected as Digital Poster, CNS Annual Meeting 2022 (San Francisco, CA).
7. Tang OY, Chen JS, Groves M, **Shao B**, Ganga A, Svokos K, Klinge P, Sullivan PZ. Drivers of Adverse 30-Day Outcomes for Pediatric Spine Tumor Surgery Patients: A Nationwide Analysis. Selected as Oral Presentation, CNS Annual Meeting 2022 (San Francisco, CA).
8. Sastry RA, Poggi J, King V, Rao V, Spake C, Abdulrazeq HA, **Shao B**, Kwan D, Woo A, Klinge P, Svokos K. Superficial Temporal Artery Injury and Delayed Post-Cranioplasty Infection. Selected as Digital Poster, CNS Annual Meeting 2022 (San Francisco, CA).
9. Persad-Paisley E, Leary O, Carvalho O, Zeyl V, Laguna A, Anderson MN, **Shao B**, Toms SA, Oyelese AA, Gokaslan ZF, Sharkey K. Trends in Racial and Ethnic Diversity Among Neurosurgery Residency Applicants and Matriculants, 2010-2018. Selected as Digital Poster, CNS Annual Meeting 2022 (San Francisco, CA).
10. Ganga A, Kim EJ, Araia ES, **Shao B**, Svokos KA, Klinge PM, Cielo DJ, Fridley JS, Gokaslan ZL, Toms SA, Zadnik Sullivan P. All-terrain vehicle (ATV) related head injury rates and patterns in children: a 10-year nationwide analysis. Accepted as abstract: 2022 American Public Health Association Annual Meeting (Boston, MA).
11. Sastry RA, Feler J, **Shao B**, Weil R, Gokaslan Z (May 2022) Association Between Physiologic Frailty and Discharge Outcomes After Admission for Non-operative Traumatic Brain Injury. 2022 AANS Annual Scientific Meeting; Philadelphia, PA.
12. Tang OY, **Shao B**, Kimata A, Sastry RA, Asaad WF. The Impact of Frailty on Traumatic Brain Injury Outcomes: An Analysis of 691,821 Nationwide Cases. 2021 CNS Annual Meeting; Austin, TX
13. Alexiades NG, Ahn ES, Blount JP, Brockmeyer DL, Browd SR, Grant GA, Heuer GG, Hankinson TC, Iskandar BJ, Jea A, Krieger MD, Leonard JR, Limbrick D, Maher CO, Proctor MR, Sandberg DI, Wellons JC, **Shao B**, Feldstein NA, Anderson RCE. (Dec 2018). A retrospective multicenter study of surgical site infection following complex tethered cord surgery: Is current antibiotic prophylaxis adequate? 47th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery; Nashville, TN.
14. Goldstein HE, **Shao B**, Hiremath T, DeAllie C, Campbell M, Madsen PJ, Blount J, Brockmeyer D, Campbell RM, Hankinson TC, Jea A, Kennedy BC, Samdani A, Vitale MG, Anderson, RC. (Oct 2018). Is prophylactic untethering necessary in myelomeningocele patients

undergoing scoliosis corrective surgery? International Section on Pediatric Neurological Surgery; Tel Aviv, Israel.

15. **Shao B**, Tariq AT, Goldstein HE, Alexiades NA, Mar KM, Feldstein NA, Anderson RCE, Giordano M. (Dec 2018). Can opioid-sparing multimodal analgesia following selective dorsal rhizotomy promote cost-saving, enhanced recovery? 2018 AANS/CNS Section on Pediatric Neurological Surgery; Nashville, TN. [poster]
16. **Shao B**, Cohen M, Majmudar N, Flint MA, Liu JK. (Apr 2018). Clinical, demographic, and socioeconomic risk factors for cerebral vasospasm following aSAH in a high-risk urban area. 2018 AANS Annual Scientific Meeting; New Orleans, LA. [e-poster]
17. **Shao B**, Banu MA, Feldstein NA, Anderson RC. (Apr 2018). Cerebral vasospasm after open fenestration of an arachnoid cyst in a 4-year-old boy. 2018 AANS Annual Scientific Meeting; New Orleans, LA. [e-poster]
18. **Shao B**, Silva N, Sylvester MA, Eloy J, Gandhi C. (Apr 2018). Peri-operative mortality and complications associated with endovascular coiling and surgical clipping of unruptured aneurysms in the elderly. 2018 AANS Annual Scientific Meeting; New Orleans, LA. [e-poster]
19. **Shao B**, Sevak I, Patel S, Nadkarni M, Medina JS, Brazeau C, Chen PH. (Feb 2018). Promoting Mental, Physical, and Relationship Health for Women and Children at a Student-Run Free Clinic Through a Shelter-Based Education Group. 2018 Society of Student Run Free Clinics Conference; Omaha, NE. [poster]
20. Goldstein HE, **Shao B**, Hiremath T, DeAllie C, Campbell M, Madsen PJ, Blount J, Brockmeyer D, Campbell RM, Hankinson TC, Jea A, Kennedy BC, Samdani A, Vitale MG, Anderson, RC. (Nov 2017). Is prophylactic untethering necessary in myelomeningocele patients undergoing scoliosis corrective surgery? 46th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery; Houston, TX.
21. Goldstein HE, Youngerman BE, **Shao B**, Akman CI, Mandel AM, McBrian DK, Riviello JK, Sheth SA, McKhann GM, Feldstein NA. (Nov 2017). Safety and Efficacy of sEEG in Pediatric Focal Epilepsy. 46th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery; Houston, TX.
22. **Shao B**, Belani N, Raman U, Natale-Pereira A. (July 2016). Student Hotspotting Project Outcomes: Surmounting Healthcare Barriers for ED Super-Utilizer Patients with Low Health Literacy and Multiple Comorbidities. 2016 AAMC Student Hotspotting Learning Collaborative Wrap-Up Conference; Camden, NJ. [poster]

SUBMITTED

1. **Shao B**, Wirth L, Kozel O, Gillete JS, Amaral-Nieves N, Svokos KA, Zadnik-Sullivan PL, Klinge PM “Surgical Anatomy, Surgical Approaches, and Operative Techniques for Chiari Malformations and Syringomyelia.” *Comprehensive Operative Neurosurgical Video Atlas: Surgical Anatomy, Surgical Approaches, Operative Techniques, Vol. 2.* edited by Gavin Britz and Sean Barber, Thieme. *Submitted as book chapter 8/2023.*
2. **Shao B**, Harlyjoy A, Kozel OA, Still M, Widodo SBP, Agwu C, Sagaityte E, Schroeder C, Gilder HE, Hamzah R, Sun FW, Felter JR, Santos-Fontanez SE, Svokos KA, Klinge PM, Baticulon RE, Johnson W, Park KB. A Tale of Two Cities: Global Research Disparities in Neurosurgical Management of Myelomeningocele. *Submitted as abstract, AANS/CNS Joint Pediatric Section Annual Meeting: abstract ID 42443.*
3. **Shao B**, Schroeder C, Kozel OA, Sagaityte E, Watson-Smith D, Monteagudo J, Luks FI, Carr SR, Klinge PM, Svokos KA. Neurosurgical Prenatal Counseling and Decision-making in Myelomeningocele Repair. *Submitted as abstract 7/2023, AANS/CNS Joint Pediatric Section Annual Meeting: abstract ID 42508.*
4. **Shao B**, Wirth L, Sayied S, Leary OP, Amaral-Nieves N, Kozel OA, Ma KL, Trask C, Klinge PM. Effect on Affect: Postsurgical Change in Cerebellar Neuropsychiatric Rating Scale Scores in Adults and Children with Chiari Malformation Type I. *Submitted as abstract 7/2023, AANS/CNS Joint Pediatric Section Annual Meeting: abstract ID 42511*
5. Sagaityte E, Amaral Nieves N, Sampath S, **Shao B**, Sastry RA, Sampath P, Klinge PM, Svokos KA. A “Tandem Detethering” Case Series: Surgical Management of Cervicothoracic Spinal Cord Tethering Followed by Sectioning of the Filum Terminale. *Submitted as abstract 7/2023, AANS/CNS Joint Pediatric Section Annual Meeting*
6. Habte YW, **Shao B**, Pajer HB, Ma KL, Abicho TB, Feleke Y, Bizuneh YA, Laeke T, Tirsit A, Spader HS. Profile of Patients Receiving CT scans for Mild Traumatic Brain Injury in a Tertiary Care Hospital in Ethiopia. *Submitted to World Neurosurgery. 7/2023: WNS-23-2989*
7. Gilder HE, **Shao B**, Hamzah R, Bhaskara M, Sadler S, Gal Z, Daniels D, Park KB. Pediatric Brain Tumor Surveillance and Registries in Low- and Middle- Income Countries. *Submitted as abstract, International Society of Pediatric Neurosurgeons Annual Meeting 2023 (Chile).*
8. Ganga A, Kim EJ, Tang OY, **Shao B**, Svokos K, Klinge PM, Cielo DJ, Fridley JS, Gokaslan ZL, Toms SA, Sullivan PZ. The epidemiology of crib-related head injuries: a ten-year nationwide analysis. *Am J Emerg Med. Submitted February 2023. Manuscript Number: AJEM32162*