

## CURRICULUM VITAE

Revised: 8/18/2022

- 1) Name: Rima Sestokas Rindler, MD
- 2) Office Address:  
Sierra Neurosurgery Group  
5590 Kietzke Lane  
Reno, Nevada 89511  
Telephone: 775-323-2080
- 3) E-mail Address: rima.rindler@gmail.com
- 4) Current Titles and Affiliations:  
Neurosurgeon, Sierra Neurosurgery Group, Reno, Nevada September 2022 to current
- 5) Previous Titles and Affiliations:  
Instructor, Neurosurgical Skull Base Oncology Fellow,  
Department of Neurosurgery,  
The Mayo Clinic, Rochester, Minnesota March 2022 to June 2022
- 6) Licensures/Boards:  
Nevada Medical License, 2022-present  
Minnesota Medical License, 2021-present
- 7) Education:  
Duke University, Durham, NC 2005-2009  
B.S. Psychology  
*Summa Cum Laude*; Honors, Concentration in Neuroscience  
  
Boston University School of Medicine, Boston, MA 2009-2014 M.D.  
*Summa Cum Laude*
- 8) Postgraduate Training:  
Internship & Residency, Neurosurgery, Emory University School of Medicine, Atlanta, GA  
2014-2021  
Certificate of Distinction for completion of Medical Education in Residency Track 2019-2020  
  
Fellowship, Neurosurgical Skull Base Oncology, The Mayo Clinic College of Medicine and  
Science, Rochester, MN 2021-2022
- 9) Additional Education:  
  
Surgical Courses  
Attendee, Stryker Advance ENT and Neuro Resident Course, Salt Lake City, Utah  
January 2019  
  
Attendee, "A 360 Degree Perspective" Hand-On Workshop, Cranial Base Surgery Course,  
Atlanta, Georgia March 2019  
  
Attendee, Pittsburgh Comprehensive Endoscopic Skull Base Surgery Course, Pittsburgh,  
Pennsylvania May 2019

Attendee, "A 360 Degree Perspective" Hand-On Workshop, Cranial Base Surgery Course, Atlanta, Georgia March 2020

Course Co-Director, Upper Midwest Summer Skull Base Course, Rochester, Minnesota July 2021

Attendee, Mayo Clinic 8<sup>th</sup> Annual Endoscopic Skull Base Course with Cadaver Dissection for Otolaryngology and Neurosurgery Residents. Rochester, Minnesota August 2021

Attendee, Congress of Neurological Surgeons Skull Base Fellows Course. Cleveland Clinic, Cleveland, Ohio Sept 16-19, 2021

Attendee, Microvascular Surgical Techniques Course. Mayo Clinic Microvascular Surgery Training Center. Rochester, Minnesota Dec 12-17, 2021.

Attendee, Mayo Clinic Endoscopic Cadaveric Skull Base Course for Neurosurgery Residents. Rochester, Minnesota Jan 9, 2022

Attendee, Mayo Clinic 6th Annual Third and Fourth Ventricle Cadaver Dissection Course, Rochester, Minnesota Jan 19, 2022

Attendee, The Basis of a Rewarding Neurosurgical Career: A Career Guide for New Attending Physicians and Fellows, Congress of Neurological Surgeons, Las Vegas, Nevada Mar 19-20, 2022

Course Co-director Mayo Clinic 9th Annual Endoscopic Skull Base Course with Cadaver Dissection for Otolaryngology and Neurosurgery Residents, Rochester, Minnesota Apr 11-12, 2022

Attendee, Mayo Clinic Open and Endoscopic Techniques in Cranial Base Surgery Course, Rochester, Minnesota June 1-4, 2022

#### 10) Other Certifications

Mayo Clinic Quality Academy, Mayo Clinic Quality Fellow: Bronze Level Certification 2021

Basic Life Support/Advanced Cardiac Life Support 2022

#### 11) Committee Memberships:

Institutional: Graduate Medical Education Committee, Emory University School of Medicine, 2019-2020

National: North American Skull Base Society, Value Based Healthcare Committee, Member March 2022-present

12) Peer Review Activities:

Manuscripts:

Journal of Neurological Surgery Part B, ad hoc reviewer  
BMC Surgery, ad hoc reviewer

13) Honors and Awards:

Faculty Scholar Award Nominee, Dept. Psych. and Neuroscience, Duke University, 2008  
Phi Beta Kappa National Honor Society, Duke University, 2009  
Graduation with Distinction, Dept. Psych. and Neuroscience, Duke University, 2009  
Psi Xi Psychology Honor Society, Duke University, 2009  
Clinical Research Fellowship, Doris Duke Charitable Foundation, 2013  
Alpha Omega Alpha National Honor Medical Society, Boston University School of Medicine, 2013  
Christopher G. Gaposchkin Prize Fund, Boston University School of Medicine, 2014  
Edward L. Spatz, MD Award for Excellence in Neurosurgery, Boston University School of Medicine, 2014  
George T. Tindall, MD Resident Research Award, 2015  
House Staff Organization Professionalism Excellence (HOPE) Award, 2016

14) Society Memberships:

American Medical Association 2009-2014  
Massachusetts Medical Society 2009-2014  
American Association of Neurological Surgeons 2012-present  
Congress of Neurological Surgeons 2014-present  
AANS/CNS Section of Women in Neurosurgery 2014-present  
North American Skull Base Society, Candidate Member 2019-present

15) Formal Teaching:

a) Medical Student Teaching:

Prosector, Dissection Activity for Emory Neurosurgery Interest Group, 2019, 2 hours

Lecturer, Virtual Emory Neurosurgery Elective, 5/2020. Supervised didactic sessions and led interactive sessions on management of patients with head injury for a total of 5 3<sup>rd</sup> year medical students over two weeks during the COVID-19 pandemic, 4 hours

b) Residency Programs:

Resident Instructor for PGY-1 Southeast Neurosurgery Bootcamp, 2018, 6 hours

Resident Instructor for PGY-1 Southeast Neurosurgery Bootcamp, 2019, 3 hours

Discussion leader on motherhood in residency for Women in Surgery at Emory Residencies(WISER) group, 2019, 3 hours

Course Co-Director, Upper Midwest Summer Skull Base Course, Rochester, MN, July 29-30, 2021

Course Co-director Mayo Clinic 9th Annual Endoscopic Skull Base Course with Cadaver Dissection Otolaryngology and neurosurgery Residents, Rochester, Minnesota Apr 11-12, 2022

16) Supervisory Teaching:

a) Medical School:

Emilia Varrone, Emory University School of Medicine, MD candidate

Sarah Newman, Emory University School of Medicine, MD candidate

Apoorva Gagnavelli, Emory University School of Medicine, MD candidate

James Malcolm, MD Emory University School of Medicine

Roberto Soriano, MD Emory University School of Medicine

Pavlos Texakalidis, MD Emory University School of Medicine

17) Lectureships, Seminar Invitations, and Visiting Professorships:

a) International:

- (1) Oyesiku NM and **Rindler R.** "Surgical management of functioning pituitary macroadenomas." Neuroendocrine Symposium, World Federation of Neurological Societies. January 30, 2021. Invited Lecture.

b) National:

- (1) Oyesiku NM and **Rindler R.** "Scientific breakthroughs in craniomaxillofacial and neurosurgery." Selected Topics in Craniomaxillofacial Surgery: A Multidisciplinary Symposium on Cranioplasty. Shriners Hospitals for Children, Boston, MA. October 2015. Invited Lecture.

c) Institutional:

- (1) **Rindler RS.** "Does timing of cranioplasty affect complications and neurologic outcomes? Asystematic review and meta-analysis." George T. Tindall MD Resident Research Lecture. Department of Neurosurgery Emory University, August 2015.
- (2) Baum GR, **Rindler RS,** Oyesiku NM, Barrow DL. "The use of technology and videoconference in the modern neurosurgical training program: A step into the 21<sup>st</sup> century." Neurosurgery GrandRounds Emory University. January 2016.
- (3) **Rindler R.** "Towards early prediction of vasospasm following severe traumatic brain injury." George T. Tindall MD Resident Research Lecture. Department of Neurosurgery Emory University, September 2018.
- (4) **Rindler, R.** "Pediatric encephaloceles." Complex Case Conference, Department of Neurosurgery Emory University, March 2019.
- (5) **Rindler R.** "Childhood brain tumors." Journal Club, Department of Neurosurgery Emory University, March 2019.
- (6) **Rindler R.** "Towards early prediction of vasospasm following severe traumatic brain injury: an update." George T. Tindall MD Resident Research Lecture. Department of Neurosurgery EmoryUniversity, October 2019.
- (7) **Rindler R.** "Growth of vestibular schwannomas." Journal Club Presentation Department of Neurosurgery Emory University, December 2019.
- (8) **Rindler R.** "Neuroradiology case conference." Combined Department of Neurosurgery and Neuroradiology Grand Rounds Emory University, February 2020.
- (9) **Rindler R.** "Operative approaches to midbrain cavernous malformations." Complex Case Conference Department of Neurosurgery Emory University, November 2020.
- (10) **Rindler R.** "Neuroradiology case conference". Combined Department of Neurosurgery and Neuroradiology Grand Rounds Emory University, December 2020.
- (11) **Rindler R.** "Introduction to Instructional Design." Learning to Be Better Teachers Conference: Resident/Fellow Edition, Emory University, January 11, 2021

18) Abstract Presentations at National/International, Regional, and Institutional Conferences:

a) National and International:

- (1) **Sestokas R,** Murphy S, Haire S, Duhaime AC. Validation of the Children's Hospital of Philadelphia Infant Coma Scale: the "Infant Face Scale" study. Poster presented at: Doris Duke Clinical Research Fellow National Meeting; Herndon, VA. May 28-30,

2013. (Poster).
- (2) Pricola KL, Klig J, Cohen A, **Sestokas R**, Caruso P, Duhaime AC. (2013). Rapid MRI protocols for head trauma screening in the emergency department. 42<sup>nd</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Toronto, Ontario, Canada. December 3-6, 2013. (Oral).
  - (3) **Sestokas R**, Murphy S, Haire SW and Duhaime AC. Validation of the Children's Hospital of Philadelphia Infant Coma Scale: the "Infant Face Scale" study. 42<sup>nd</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Toronto, Ontario, Canada. December 3-6, 2013. (Oral).
  - (4) **Rindler RS**, Burns JD, Carr C, Lau H, Green DM, Cervantes-Arslanian AM, Salem R, Kase CS. Delay in the diagnosis of basilar artery stroke. 66th American Academy of Neurology Annual Meeting. Philadelphia, PA. May 1, 2014. (Oral).
  - (5) **Rindler RS**, Miller BA, Refai D, Ahmad F. Efficacy of transsacral instrumentation for high-grade L5-S1 spondylolisthesis: a systematic review of the literature. 2015 Congress of Neurological Surgeons Annual Meeting. New Orleans, LA. September 26-30, 2015. (E-poster).
  - (6) **Rindler RS**, Chokshi F, Eshraghi S, Mossa-Basha M, Malcolm J, Chu J, Ahmad F. Role of diffusion tensor imaging in predicting postoperative outcome in cervical degenerative pathologies. 32<sup>nd</sup> Annual Meeting of the Section on Disorders of the Spine and Peripheral Nerves, Spine Summit 2016. Orlando, FL. March 16-19, 2016. (Oral).
  - (7) Chu J, **Rindler RS**, Pradilla G, Rodts GE, Ahmad F. Percutaneous instrumentation without arthrodesis for treatment of thoracolumbar flexion-distraction injuries. 32<sup>nd</sup> Annual Meeting of the Section on Disorders of the Spine and Peripheral Nerves, Spine Summit 2016. Orlando, FL. March 16-19, 2016. (Oral).
  - (8) Malcolm JG, **Rindler RS**, Chu J, Allen J, Pradilla G, Ahmad FU. The role of implant material in complications after cranioplasty: a systematic review and meta-analysis. 2016 American Association of Neurological Surgeons (AANS). Chicago, IL. April 23, 2016. (Poster).
  - (9) Malcolm JG, **Rindler RS**, Chu J, Chokshi F, Pradilla G, Ahmad FU. Is earlier cranioplasty associated with greater neurologic improvement? A systematic review and meta-analysis. 2016 American Association of Neurological Surgeons (AANS). Chicago, IL. April 23, 2016. (Poster).
  - (10) Malcolm JG, **Rindler RS**, Chu J, Grossberg J, Pradilla G, Ahmad FU. Are complications following cranioplasty related to its timing after the decompressive surgery? A systematic review and meta-analysis. 2016 American Association of Neurological Surgeons Annual Scientific Meeting. Chicago, IL. April 23, 2016. (Poster).
  - (11) **Rindler RS**, Chokshi F, Malcolm JG, Mossa-Basha M, Eshraghi S, Chu J, Pradilla G, Ahmad FU. Diagnostic ability of spinal diffusion tensor imaging in cervical degenerative pathologies: a systematic review of the literature. 2016 American Association of Neurological Surgeons Annual Scientific Meeting. Chicago, IL. April 23, 2016. (Poster).
  - (12) **Rindler RS**, Chokshi F, Eshraghi S, Mossa-Basha M, Malcolm J, Chu J, Ahmad F. Role of spinal diffusion tensor imaging in predicting post-operative outcome in cervical spondylotic myelopathy: a systematic review. American Society of Neuroradiology (ASNR) 54<sup>th</sup> Annual Meeting. Washington, D.C., May 21, 2016. (Poster).
  - (13) Malcolm JG, **Rindler RS**, Chu J, Grossberg J, Pradilla G, Ahmad FU. Complications after cranioplasty are more common in the presence of a preexisting ventriculoperitoneal shunt: a systematic review and meta-analysis. 2016 Congress of Neurological Surgeons Annual Meeting. San Diego, CA. September 24, 2016. (E-poster).
  - (14) **Rindler RS**, Eshraghi S, Khatri V, Iwakoshi N, Schobel S, Elster E, Boulis N. Early

- prediction of vasospasm following severe traumatic brain injury (sTBI). NeuroTrauma. Toronto, Ontario, Canada. August 11-16, 2018. (Poster).
- (15) Malcolm JG, **Rindler RS**, Tora MS, Pujari A, Mahmooth Z, Eshraghi S, Elster EA, Belard AJ, Boulis NM. Complication rates after early cranioplasty for severe traumatic brain injury. 2018 Military Health Systems Research Symposium. Kissimmee, Florida. August 20-23, 2018. (Poster).
  - (16) **Rindler RS**, Eshraghi S, Khatri V, Iwakoshi N, Schobel S, Elster E, Boulis N. Early predictive models in severe traumatic brain injury (sTBI). 2018 Military Health Systems Research Symposium. Kissimmee, Florida. August 20-23, 2018. (Poster).
  - (17) Khatri V, **Rindler RS**, Eshraghi S, Schobel S, Elster E, Belard A, Boulis N. Surgical Critical Care Initiative (SC2i) severe traumatic brain Injury (sTBI) protocol. 2018 Military Health Systems Research Symposium. Kissimmee, Florida. August 20-23, 2018. (Poster).
  - (18) Tora MS, Malcolm JG, Mahmooth Z, Pujari A, Steed T, **Rindler RS**, Boulis NM, Ahmad F. "Late cranioplasty is associated with decreased complications in traumatic brain injury – a 274 patient case series." Congress of Neurological Surgeons Annual Meeting. San Francisco, CA. Oct. 22, 2019. (Poster).
  - (19) Newman S, **Rindler R**, Boucher A, Neill S, Pradilla G. "Ectopic Rathke's cleft cysts: review of an unusual entity." North American Skull Base Society Meeting. San Antonio, TX. February 7-9, 2020. (E-poster).
  - (20) Soriano RM, **Rindler RS**, Helman SN, Pradilla G, Solares CA. "Endoscopic endonasal nasopharyngectomy and its use in RT3 and RT4 recurrent nasopharyngeal carcinoma." North American Skull Base Society Annual Meeting. San Antonio, TX February 7-9, 2020. (Oral).
  - (21) Soriano RM, **Rindler RS**, Helman SN, Pradilla G, Solares CA. "Endoscopic transoral nasopharyngectomy." North American Skull Base Society Annual Meeting. San Antonio, TX February 7-9, 2020. (Oral).
  - (22) **Rindler RS**, Erwood AE, Motiwala M, Ajmera S, Vaughn B, Klimo P, Chern J. "Management of sterile abdominal pseudocyst related to ventriculoperitoneal shunt." American Association of Neurological Surgeons Annual Scientific Meeting. Boston, MA April 25-29, 2020. (E-poster).
  - (23) **Rindler RS**, Khatri V, DeYampert L, Eshraghi S, Texakalidis P, Schobel S, Elster E, Belard A, Grossberg J, Boulis N. "Towards early prediction of vasospasm and death following severe traumatic brain injury." American Association of Neurological Surgeons Annual Scientific Meeting. Boston, MA April 25-29, 2020. (E-poster).
  - (24) Varrone E, **Rindler R**, Newman S, Gangavelli A, Duhaime A, Chern J. "Crying behavior and delayed presentation of infants with simple skull fracture." 10<sup>th</sup> Annual Southeastern Pediatric Research Conference. Atlanta, GA, June 12, 2020.
  - (25) Rolle M, Varrone E, Newman S, Chern J, Duhaime AC, **Rindler RS**. "Do babies with skull fractures always cry?" 49th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Virtual. December 2-4, 2020. (E-Poster)
  - (26) Newman S, **Rindler RS**, Varrone E, Gangavelli A, Duhaime AC, Chern J. "Comparison of the Infant Face Scale to the Pediatric Glasgow Coma Scale for predicting neurologic severity and outcome in children < two years of age." 49th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery. Virtual. December 2-4, 2020. (E-Poster, Discussion Panel of Best Trauma Abstracts).
  - (27) Akbik F, Yang C, Howard B, Grossberg J, Danyluk L, Martin K, Alawieh A, **Rindler R**, Tong F, Barrow D, Cawley CM, Samuels O, Sadan O. "Delays to presentation and outcomes after aneurysmal subarachnoid hemorrhage in the SARS-CoV-2 era". 50<sup>th</sup> Critical Care Congress Virtual. January 31 - February 12, 2021. (Oral).
  - (28) **Rindler RS**, Elsherbini M, Solares CA, Pradilla G. "Exoscopic *en bloc* near-total temporal bone resection: feasibility study and operative technique." North American Skull Base Society Annual Meeting. Virtual. February 13, 2021. (Poster).

- (29) **Rindler RS**, Soriano R, Elsherbini M, Raymond M, Solares CA, Pradilla G. "In vivo application and short-term outcomes of exoscope-assisted near-total temporal bone resection for malignancy." North American Skull Base Society Annual Meeting. Virtual. February 13, 2021.(Poster).
- (30) **Rindler RS**, Soriano R, Luhanga U; Taylor T, MD; Oyesiku NM. "Upright, bright, instruments insight: a multimodal training module for assisting in endoscopic endonasal procedures for junior surgical residents." North American Skull Base Society Annual Meeting. Virtual. February 13, 2021. (Poster).
- (31) Dawoud RA, Douglas JM, Philbrick B, McMahon JT, Faraj R, Greven A, Bhatia N, Laxpati NG, **Rindler RS**, Buster B, Gary MF. "Virtual neurosurgery clerkship: incorporating telemedicine clinics and case-based didactics." AANS Annual Scientific Meeting. Orlando, FL. August 21, 2021. (Poster).
- (32) Revuelta Barbero, Soriano RM, **Rindler RS**, Henriquez O, Solares CA, Pradilla G. Transorbital pericranial flap for reconstruction of anterior cranial base defects following endoscopic endonasal approaches: A minimally invasive alternative. 14th Congress of the European Skull Base Society. Riva de la Garda, Italy. April 20-23, 2022. (Oral).
- (33) Revuelta Barbero, Soriano RM, **Rindler RS**, Henriquez O, Solares CA, Pradilla G. Nasal floor mucosa free graft for endoscopic endonasal skull base reconstruction. 14th Congress of the European Skull Base Society. Riva de la Garda, Italy. April 20-23, 2022. (Oral).
- (34) Revuelta Barbero, Soriano RM, **Rindler RS**, Henriquez O, Solares CA, Pradilla G. Nasal floor mucosa free graft for EEA skull base reconstruction. Step-by-step simple and extended harvesting technique. AANS Annual Scientific Meeting. Orlando, Florida. August 2021. (Poster).
- (35) Revuelta Barbero JM, Soriano RM, **Rindler RS**, Henriquez O, Solares CA, Pradilla G. Precaruncular transorbital-transellar approach to the contralateral parasellar region: an anatomical analysis of a simplified approach. AANS Annual Scientific Meeting. Orlando, Florida. August 2021. (Poster).
- (36) Revuelta Barbero, Soriano RM, **Rindler RS**, Henriquez O, Solares CA, Pradilla G. Transorbital pericranial flap for reconstruction of postoperative anterior cranial base defects following endoscopic endonasal transcribriform approaches. AANS Annual Scientific Meeting. Orlando, Florida. August 2021. (Poster).
- (37) Lamanna JJ, Gutierrez J, **Rindler RS**, Steed T, Funk C, Dawoud R, Smith R, Gimbel D, Grant A, Grossberg JA. Increased civilian ballistic traumatic brain injuries (B-TBI) following COVID lockdown. Congress of Neurological Surgeons Annual Scientific Meeting. Austin, TX, October 2021. (Poster).
- (38) **Rindler RS**, Robertson H, DeYampert L, Eshraghi S, Schobel-McHugh S, Elster E, Boulis NM, Grossberg J. Predicting vasospasm and mortality in early severe TBI: A model using serum cytokines and clinical data. Congress of Neurological Surgeons Annual Scientific Meeting. Austin, TX, October 2021. (Oral).
- (39) Revuelta Barbero, Soriano RM, **Rindler RS**, Bray DP, Henriquez O, Solares CA, Pradilla G. Precaruncular transorbital-transellar approach to the contralateral parasellar region. Congress of Neurological Surgeons Annual Scientific Meeting. Austin, TX, October 2021. (Poster).
- (40) Revuelta Barbero, Soriano RM, **Rindler RS**, Bray DP, Henriquez O, Solares CA, Pradilla G. Transorbital pericranial flap for reconstruction of postoperative anterior cranial base defects following endoscopic endonasal transcribriform approaches. Congress of Neurological Surgeons Annual Scientific Meeting. Austin, TX, October 2021. (Oral).
- (41) **Rindler RS**, Leonel LC, Kerezoudis P, Pinheiro-Neto C, Peris Celda M. Midline intercavernous dural approach to the cavernous sinus: a cadaveric step-by-step illustration and case illustration. 31st Annual North American Skull Base Society Meeting. Phoenix, AZ, February 18-20, 2022. (Oral).

b) Regional:

- (1) Halani SH, Chu J, Malcolm J, **Rindler RS**, Pradilla G, Ahmad FU. Effects of cranioplasty on cerebral blood flow: A systematic review of the literature. Georgia Neurological Surgeons Annual Fall Meeting; Reynolds Plantation, GA. December 4-6, 2015. (Oral).
- (2) Malcolm JG, **Rindler RS**, Ahmad FU. Aseptic bone resorption following cranioplasty: a systematic review of overall incidence and risk factors. Georgia Neurological Surgeons Annual Fall Meeting; Reynolds Plantation, GA. December 4-6, 2015. (Oral).
- (3) Malcolm JG, **Rindler RS**, Chu J, Pradilla G, Ahmad FU. Timing of cranioplasty associated with complications and neurologic improvement: a systematic review and meta-analysis. Georgia Neurological Surgeons Annual Summer Meeting; Sea Island, SC; May 27, 2016. (Oral).
- (4) **Rindler RS**, Khatri V, DeYampert L, Eshraghi S, Texakalidis P, Schobel S, Elster E, Belard A, Grossberg J, Boulis N. "Towards early prediction of vasospasm and death following severe traumatic brain injury." Georgia Neurosurgical Society Annual Fall Meeting. Greensboro, GA. December 9-10, 2019. (Oral).
- (5) **Rindler RS**, Newman S, Varrone E, Gangavelli A, Duhaime AC, Chern J. Validation of the CHOP Infant Coma Scale: the Infant Face Scale study. Georgia Neurological Surgeons Annual Fall Meeting; Reynolds Plantation, GA. December 5-7, 2020. (Oral).

c) Institutional:

- (1) Baum GR, **Rindler RS**, Oyesiku NM, Barrow DL. "The use of technology and videoconference in the modern neurosurgical training program: a step into the 21<sup>st</sup> century." Mr. William Booth and Dr. James Zaidan Resident Research Day at Grady. Atlanta, GA. June 1, 2016.
- (2) Baum GR, **Rindler RS**, Oyesiku NM, Barrow DL. "The use of technology and videoconference in the modern neurosurgical training program: a step into the 21<sup>st</sup> century. Emory Quality Conference." Atlanta, GA. June 6, 2016.

19) Research Focus:

My main research interests include the three "T's:" tumors, trauma and teaching, with a particular focus on functional outcomes. I maintain studies evaluating functional, neurological and cancer outcomes following total temporal bone and craniofacial resection of malignant tumors; functional outcomes of patients following severe traumatic brain injury and their predictors; as well as effectiveness of teaching modules on the training of surgical residents.

20) Research Grants Awarded

Completed Grants

Federal

Co-PI. Outcomes in Severe Traumatic Brain Injury. Surgical Critical Care Initiative, Department of Defense. \$670,000. 2015-2020.

Foundational

Co-PI. Clinical Research Fellowship, Doris Duke Charitable Foundation. "Validation of the



21) Bibliography:

a) Published and Accepted Research Articles in Refereed Journals:

- (1) Strauman T, Detloff AM, **Sestokas R**, Smith DV, Goetz EL, Rivera C, Kwapil L. What shall I be, what must I be: neural correlates of personal goal activation. *Front Integr Neurosci* 2012;123:1-14. doi:10.3389/fnint.2012.00123. PMID: 23316145.
- (2) Burns JD, **Rindler RS**, Carr C, Lau H, Cervantes-Arslanian AM, Green-LaRoche DM, Kase C. Delay in diagnosis of basilar artery stroke. *Neurocrit Care*. Published online October 26, 2015. doi: 10.1007/s12028-015-0211-0. PMID: 26503513.
- (3) **Rindler RS**, Miller BA, Eshraghi SR, Pradilla G, Refai D, Rodts G, Ahmad FU. Efficacy of transsacral instrumentation for high-grade spondylolisthesis at L5-S1: A systematic review of the literature. *World Neurosurg*. 2016. Nov;95:623.e11-623.e19. doi: 10.1016/j.wneu.2016.05.030. Epub 2016 May 20. PMID: 27216924.
- (4) Malcolm JG, **Rindler RS**, Chu JK, Grossberg JA, Pradilla G, Ahmad FA. Complications following cranioplasty and relationship to timing: A systematic review and meta-analysis. *J Clin Neurosci*. 2016. Nov;33:39-51. doi: 10.1016/j.jocn.2016.04.017. Epub 2016 Aug 4. Review. PMID 27499122.
- (5) Howard BM, **Rindler RS**, Holland CM, Pradilla G, Ahmad FU. Management and outcomes of isolated tentorial and parafalcine "smear" subdural hematomas at a Level-1 trauma center: Necessity of high acuity care. *J Neurotrauma*. 2017 Jan 1;34(1):128-136. doi: 10.1089/neu.2015.4270. Epub 2016. May 26. PMID: 27025978.
- (6) Chu JK, **Rindler R**, Pradilla G, Rodts GE, Ahmad FU. Percutaneous instrumentation without arthrodesis for treatment of thoracolumbar flexion-distraction injuries. *Neurosurgery*. 2017. Feb 1;80(2):171-179. doi: 10.1093/neuros/nyw056. PMID: 28173564.
- (7) **Rindler RS**, Chokshi FH, Malcolm JG, Eshraghi SR, Mossa-Basha M, Chu JK, Kurpad SK, Ahmad FU. Spinal diffusion tensor imaging in evaluation of preoperative and postoperative severity of cervical spondylotic myelopathy: systematic review of literature. *World Neurosurg*. 2017. Mar;99:150-158. doi: 10.1016/j.wneu.2016.11.141. PMID 27939797.
- (8) Adenikinju AS, Halani SH, **Rindler RS**, Gary MF, Michael KW, Ahmad FU. Effect of perioperative steroids on dysphagia after anterior cervical spine surgery: A systematic review. *Int J Spine Surg*. 2017. Mar;11:9. doi: 10.14444/4009. eCollection. PMID 28377867.
- (9) Mustroph CM, Malcolm JG, **Rindler RS**, Chu JK, Grossberg JA, Pradilla G, Ahmad FU. Cranioplasty infection and resorption are associated with presence of a ventriculoperitoneal shunt: A systematic review and meta-analysis. *World Neurosurg*. 2017. Jul; 103:686-693 doi:10.1016/j.wneu.2017.04.066. [Epub ahead of print] Review. PMID: 28434961.
- (10) Halani SH, Chu J, Malcolm JG, **Rindler RS**, Allen JW, Grossberg J, Pradilla G, Ahmad FU. Effects of cranioplasty on cerebral blood flow following decompressive craniectomy: A systematic review of the literature. *Neurosurgery*. 2017. Aug 1;81(2):204-216. doi 10.1093/neuros/nyx054. PMID 28368505.
- (11) Li DC, Malcolm JG, **Rindler RS**, Baum GR, Rao A, Khurad SN, Ahmad FU. The role of diffusion tensor imaging in spinal pathology: A review. *Neurol India*. 2017. Sept-Oct; 65(5):982-992. doi: 10.4103/neuroindia.NI\_198\_17. PMID 28879883.
- (12) Malcolm JG, **Rindler RS**, Chu JK, Chokshi F, Grossberg JA, Pradilla G, Ahmad FU. Early cranioplasty is associated with greater neurological improvement: A systematic review and meta-analysis. *Neurosurgery*. 2018. Mar 1; 82(3):278-288.

- doi: 10.1093/neuros/nyx182. PMID: 28419358
- (13) Malcolm JG, Mahmooth Z, **Rindler RS**, Allen J, Grossberg, JA, Pradilla G, Ahmad FU. Autologous cranioplasty is associated with increased re-operation rate: A systematic review and meta-analysis. *World Neurosurgery*. 2018. May;116:60-68. doi:10.1016/j.wneu.2018.05.009. PMID 29753896.
  - (14) Erwood A\*, **Rindler RS\***, Motiwala M, Ajmera S, Vaughn B, Klimo P, Chern J. Management of sterile abdominal pseudocyst related to ventriculoperitoneal shunt. *JNS Ped*. doi: 10.3171/2019.7.PEDS19305 PMID: 31604319.
  - (15) Tora MS, Texakalidis P, Stewart N, Wetzel J, **Rindler RS**, Hardcastle N, Nagar PP, Krasnopeyev A, Roach C, James R, Bruce JN, Canoll P, Federici T, Oshinski JN, Boulis NM. Lentiviral Vector Induced Modeling of High-Grade Spinal Cord Glioma in Minipigs. *Scientific Reports*. Nature Publishing Group, Accepted, 3/8/2020.
  - (16) Tora MS\*, Malcolm JG\*, Mahmooth Z, Pujari A, **Rindler RS**, Boulis NM, Pradilla G, Grossberg JA, Ahmad FU. Complications in early vs late cranioplasty – 14-year single center experience. *Operative Neurosurgery*. Accepted, 9/22/2020.
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b) Review Articles:

- (1) **Rindler RS**, Allen JW, Barrow JW, Pradilla G, Barrow D. Neuroimaging of intracerebral hemorrhage. *Neurosurgery*. 2020;86(5):E414–E423, <https://doi.org/10.1093/neuros/nyaa029>. PMID 32109294.
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c) Book Chapters

- (1) Duhaime AC, **Rindler RS**. Special Considerations in Infants and Children. In: *Handbook of Clinical Neurology*: Elsevier, 2015;127:219-42. PMID: 25702220 DOI: 10.1016/B978-0-444-52892-6.00015-5
- (2) **Rindler RS**, Chern JC. Newer Subsets: Chiari 1.5 and Chiari 0 Malformations. In: *The Chiari Malformations*, 2nd edition. Eds. Tubbs RS, Oskouian RJ, Turgut M and Oakes WJ. 2021.
- (3) **Rindler RS**, Vasudevan K, Erwood AM, Pradilla G. Transcranial Approach for Tumor Resection and Anterior Circulation. In: *Integrated Management of Complex Intracranial Lesions: Open, Endoscopic, and Keyhole Techniques*. Ed. Agarwal V: Cambridge University Press, 2021, pp 51-222. DOI: <https://doi.org/10.1017/9781108908610>
- (4) Mahmooth Z, Malcolm JM, **Rindler RS**, Ahmad FU. Cranioplasty: Does Timing Have Any Effect on the Degree of Neurological Recovery or the Complication Rate? In: *Evidence for Neurosurgery: Effective Procedures and Treatment*. Eds. Bartels RHMA, Rovers MM, Westert GP: Cham: Springer International Publishing, 2019, pp 19-40. doi:10.1007/978-3-030-16323-5\_3
- (5) **Rindler RS** and Pradilla G. Trans-Sulcal, Channel-Based Parafascicular Surgery for Intracerebral Hematoma. In: *Subcortical Neurosurgery*. Eds. Zada G, Pradilla G, Day JA. Springer: Springer, 2022, pp 217-229. [https://doi.org/10.1007/978-3-030-95153-5\\_15](https://doi.org/10.1007/978-3-030-95153-5_15)
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- (7) **Rindler RS**, Graffeo C, Link M. Internal Auditory Canal and Cerebellopontine Angle: Vestibular Schwannoma and Facial Schwannoma. In: *Radiosurgery of the Skull Base*. Eds. Agazzi S, Berg LB, Noureldine MH. 2022. In press.

a) Book Reviews:

- (1) Ahmad, F and **R Rindler**. Book Review. "Neurotrauma and Critical Care of the Spine." Jallo J and Vacarro A. *Young Neurosurgeon's News*. Summer/Fall 2018.
- (2) **Rindler R**. Book Review. "Atlas of 360 Degree Skull Base Surgery." Jayashankar N and Narayanan P. *Neurosurgery*. Accepted.

b) Other Non-Peer Reviewed Publications:

- (1) Roy AK, **Rindler RS**, Holland CM. *Neurosurgery Journal Club* Runner-up. May 2015. <http://journals.lww.com/neurosurgery/blog/Correspondence/pages/post.aspx?PostID=206>
- (2) **Rindler RS**, Erwood A, Chern J. Letter to the Editor: Response. Management of sterile abdominal pseudocyst related to ventriculoperitoneal shunt. *JNS Ped*. 2020;26:218-2020. <https://doi.org/10.3171/2020.3.PEDS20136>
- (3) Dawoud RA, Philbrick B, McMahon JT, Douglas JM, Bhatia N, Faraj R, Greven A, Buster B, **Rindler RS**, Laxpati NG, Gary MF. Letter to the Editor "Virtual neurosurgery clerkship for medical students". *World Neurosurg*. 2020 Jul;139:456-

459. doi: 10.1016/j.wneu.2020.05.085.Epub 2020 May 18. PMID: 32426074; PMCID: PMC7233241.

- (4) Bray DP, **Rindler RS**, Erwood A, Gutierrez J, Mustroph C, Jahangiri A, Oyesiku NM. Neurosurgical resident education during the COVID-19 Pandemic. *AANS Neurosurgeon*. 2020;29(3).
- (5) Revuelta Barbero JM, Soriano RM, **Rindler RS**, Solares CA, Pradilla G. Letter to the Editor regarding "Repair of anterior skull base defect by dual-layer/split-frontal pericranial flap." *World Neurosurg*. 2021 May;149:294. doi:10.1016/j.wneu.2021.02.062.
- (6) **Rindler RS**, Wang V, Faraj R. "Dr. Kimberly Hoang, on finding your first 'real' job." S3E3, *WISER Podcast*. Women in Surgery at Emory Residencies, 18 Nov.2020. Rima Rindler, Vivian Wang, Razan Faraj, hosts. <https://wiserpodcast.com/2020/11/18/s3e3/>
- (7) **Rindler RS**, Barrow E, Willingham E, and V Wang. #beWISER on pregnancy and parenthood in residency. Rima Rindler, Emily Barrow, Elizabeth Willingham, Vivian Wang hosts. S3E7. *WISER Podcast*. Women in Surgery at Emory Residencies, 12 May.2021. <https://wiserpodcast.com/2021/05/12/s3e7/>

## 1) Contributions Not Otherwise Noted

### a) Medical Education Activities

4/2020 Neurosurgical Education in the Time of COVID-19. Performed a learning needs assessment of the neurosurgery residents in the Department of Neurosurgery at Emory University for improving didactic and educational offerings in the setting of altered clinical activities due to the ongoing pandemic. Summary: Created and administered a survey to neurosurgical residents about the changing needs, resident attitudes towards and desires for educational opportunities in a changing clinical environment. Evaluation of surveys is ongoing with plans for implementing educational activities as a response.

### b) Managerial Activities

5/2018 Project manager for call room expansion for Neurosurgery residents at Emory University Hospital.