

Nicholas John Erickson, MD

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Education

The George Washington University School of Medicine and Health Sciences
Doctor of Medicine

Washington, DC
August 2017

The University of Minnesota-Twin Cities
Bachelor of Science in Neuroscience

Minneapolis, MN
May 2012

Work

Resident Physician, PGY-6

Birmingham, AL

Department of Neurosurgery, University of Alabama at Birmingham

June 2017 – Present

Junior Scientist

Department of Surgery, Division of Pediatric Surgery, University of Minnesota Medical School

Minneapolis, MN
May 2012 – July 2013

Research Experience

Medical Student Researcher

Ammerman Microsurgical Laboratory

Department of Neurological Surgery, The George Washington University

Mentor/s: Zachary Litvack MD, Cristian Gragnaniello MD PhD, Jonathan Sherman MD

-Assisted in and took pictures of neurological dissections/approaches for an anatomical textbook that is currently in press

-Assisted in writing several book chapters on various neurosurgical approaches which are currently in press

Washington, DC
October 2015 – May 2017

Junior Scientist/Accountant

Department of Surgery, University of Minnesota

Mentor: Bradley Segura MD, PhD, Assistant Professor

-Assisted in starting up Dr. Segura's lab which investigated the role of the enteric nervous system in premature infants with necrotizing enterocolitis.

-My responsibilities included lab administration, grant writing, IRB proposals, publication review, experimental design, performing experiments and presenting our data at weekly lab meetings/conferences.

Minneapolis, MN
May 2012 - July 2013

Undergraduate Research Assistant

Department of Pediatrics and Neurosurgery, University of Minnesota

Mentor: John Ohlfest PhD, Associate Professor

-Investigated novel approaches to immunotherapy vaccines for the treatment of brain tumors.

-My responsibilities included cell culture, flow cytometry, data analysis, running mouse experiments, gel electrophoresis, publication review and basic lab duties.

Minneapolis, MN
April, 2011 – May 2012

Peer Reviewed Publications

1. Mooney J, Erickson N, Salehani A, Laskay N, Mahavadi A, Ilyas A, Mainali B, Agarwal N, Godzik J. "Microendoscopic lumbar discectomy with general versus local anesthesia: A systematic review and meta-analysis". **N Am Spine Soc J.** 2022 May 30;10:100129.
2. Mooney J, Salehani A, Erickson N, Thomas E, Ilyas A, Rahm S, Eustace N, Maleknia P, Yousuf O, Bredel M, Fiveash J, Dobelbower C, Fisher W. "Stereotactic radiosurgery for ruptured versus unruptured intracranial arteriovenous malformations". **Surg Neurol Int.** 2022 May6;13:194.

3. Erickson NJ, Mooney JM, Salehani A, Fiveash J, Fisher WF. "Predictive Factors for AVM Obliteration after SRS: A Single Center Study". **World Neurosurgery**. 2022 Apr;160:e529-e536.
4. Mooney JH, Howell S, Tabibian E, Erickson NJ, Harrison W, Guthrie B, Bentley N. "Survey of practice preferences in deep brain stimulation surgery". **Interdisciplinary Neurosurgery**. Volume 28, June 2022, 101463
5. Mooney J, Erickson N, Salehani A, Thomas E, Ilyas A, Rahm S, Eustace N, Maleknia P, Yousuf O, Saccomano B, Bredel M, Fiveash J, Dobelbower C, Fisher WS III. "Seizure Rates After Stereotactic Radiosurgery for Cerebral AVMs: A Single Center Study". **World Neurosurgery**. 2021 Nov 11: S1878-8750(21)01722-8.
6. Atchley T, Erickson NJ, Chagoya G, Fort M, Walters B, McGrew B, Fisher W. "Hannover/Samii Classification of Vestibular Schwannomas: A Reliability Study". **World Neurosurgery**. 2021 Oct 27: S1878-8750(21)01652-1.
7. Rotman LR, Borna ET, Salehani A, Erickson NJ, Mooney J, Riley KR. "Medical Management of Cavum Septi Pellucidi et Vergae Abscess in an Adult: Case Report and Review of the Literature". **Interdisciplinary Neurosurgery**. Volume 27, March 2022, 101375.
8. Mooney J, Erickson NJ, Ilyas A, Guthrie BL. "Pre-Operative Decision Making in Microvascular Decompression for Trigeminal Neuralgia: A Survey of Practicing Neurosurgeons". **World Neurosurgery**. 2021 Jun; 150:e741-e745
9. Erickson NJ, Mooney JM, Walters B, Agee B, Fisher WS. "The Validity of the Koos Classification System with Respect to Facial Nerve Function". **Neurosurgery**. Volume 88: Issue 6; May 2021, Pages 523-528.
10. Mooney JM, Erickson NJ, Pittman B, Agee B, Guthrie B. "The Use of MRI in Pre-operative decision making for Trigeminal Neuralgia: A single center study." **World Neurosurgery**. 2021 Feb; 146:651-657.
11. Shank CD, Erickson NJ, Miller DW, Lindsey BF, Walters BC. "Reserved Bed Program Reduces Neurosciences Intensive Care Unit Capacity Strain: An Implementation Study". **Neurosurgery**. Volume 86: Issue 1; January 2020, Pages 132-138.
12. Erickson NJ, Schmalz PGR, Agee BS, Fort M, Walters BC, McGrew BM, Fisher WS III. "Koos Classification of Vestibular Schwannomas: A Reliability Study". **Neurosurgery**. Volume 85, Issue 3, September 2019, Pages 409-414.
13. McCormack EP, Alam M, Erickson NJ, Cherrick AA, Powell E, Sherman JH. "Use of MRI in diabetic lumbosacral radiculoplexus neuropathy: case report and review of the literature". **Acta Neurochir (Wien)**. 2018 Nov; 160(11); 2225-2227.
14. Erickson NJ, Siu A, Sherman JH, Gragnaniello C, Singh A, Litvack Z. "Endoscopic Transnasal-Transclival Approach to a Pontine Cavernoma with Associated Developmental Venous Anomaly". **World Neurosurgery**. 2018 Oct; 118:212-218.
15. Starke RM, Cappuzzo JM, Erickson NJ, Sherman JH. "Pineal cysts and other pineal region malignancies: determining factors predictive of hydrocephalus and malignancy". **Journal of Neurosurgery**. Volume 127, Issue 2, Aug 2017, Pages 233-447.

Book Chapters

1. Erickson N, Gragnaniello C, Litvack Z, Sigounas D, Caputy A, Harding M: "Case 38 *Middle Cerebral Artery Aneurysm Rupture with Concomitant Intracerebral Hemorrhage*" in Sabbagh A, Gragnaniello C, Al-Jehani H, Gasco J, Elbabaa S, Nader R (eds): **Neurosurgery Case Review. Questions and Answers. 2nd Edition. Section II Intracranial Pathology: Vascular Neurosurgery**. Thieme. January 2020.
2. Gragnaniello C, Erickson N, Gagliardi F, Mortini P, Caputy A: "*Training Models in Neurosurgery*" in Gagliardi F, Gragnaniello C, Mortini P, Caputy A (eds): **Operative Cranial Neurosurgical Anatomy. 2nd Edition. Chapter 1**. Thieme. December 2018.
3. Gragnaniello C, Erickson N, Gagliardi F, Mortini P, Caputy A: "*Frontotemporal and Pterional Approach*" in Gagliardi F, Gragnaniello C, Mortini P, Caputy A (eds): **Operative Cranial Neurosurgical Anatomy. 2nd Edition. Chapter 15**. Thieme. December 2018.
4. Gragnaniello C, Erickson N, Medone M, Gagliardi F, Mortini P, Caputy A: "*Temporal Approach*" in Gagliardi F, Gragnaniello C, Mortini P, Caputy A (eds): **Operative Cranial Neurosurgical Anatomy. 2nd Edition. Chapter 19**. Thieme. December 2018.

Acknowledgements:

1. Ohlfest JR, Andersen BM, Litterman AJ, Xia J, Pennell CA, Swier LE, Salazar AM, Olin MR. "Vaccine Injection Site Matters: Qualitative and Quantitative Defects in CD8 T Cells Primed as a Function of Proximity to the Tumor in a Murine Glioma Model". **The Journal of Immunology**; 190:613-620 (2013)
2. Andersen BM, Pluhar GE, Seiler CE, Goulart MR, Santacruz KS, Schutten MM, Meints JP, O'Sullivan MG, Bentley RT, Packer RA, Thomovsky SA, Chen AV, Faissler D, Chen W, Hunt MA, Olin MR, Ohlfest JR "Vaccination for Invasive Canine Meningioma Induces In Situ Production of Antibodies Capable of Antibody-Dependent Cell-Mediated Cytotoxicity". **Cancer Res.** 15;73(10):2987-97 (2013)

Conferences/Presentations/Abstracts

1. James Mooney, MD, Nicholas Erickson, MD, Arsalaan Salehani, MD, Nick Laskay, MD, Anil Mahavadi, MD, Adeel Ilyas, MD, Bipul Mainali, BA, Nitin Agarwal, M.D., Jakub Godzik, MD. Microendoscopic Lumbar Discectomy with General versus Local Anesthesia: A Systematic Review and Meta-Analysis. *Global Spine Congress 2022 (E-poster)*. June 1-4, Las Vegas, NV.
2. Nicholas Erickson, MD, James Mooney, MD, Arsalaan Salehani, MD, Evan Thomas, MD, Adeel Ilyas, MD, Sage Rahm, MD, Nicholas Eustace, BA, Pedram Maleknia, BA, Omer Yousuf BA, Ben Saccomano, MD, Markus Bredel, MD, PhD, John Fiveash, MD, Chris Dobelbower, MD, Winfield S Fisher III, MD. Predictive Factors for AVM Obliteration after Stereotactic Radiosurgery: A Single Center Study. *AANS Annual Meeting 2022 (E-poster)*. April 29-May 2, Philadelphia, PA.
3. James Mooney, MD, Arsalaan Salehani, Nicholas Erickson, MD, MD, Evan Thomas, MD, Adeel Ilyas, MD, Sage Rahm, MD, Nicholas Eustace, BA, Pedram Maleknia, BA, Omer Yousuf BA, Ben Saccomano, MD, Markus Bredel, MD, PhD, John Fiveash, MD, Chris Dobelbower, MD, Winfield S Fisher III, MD. Stereotactic Radiosurgery for Ruptured versus Unruptured Intracranial Arteriovenous Malformations. *AANS Annual Meeting 2022 (E-poster)*. April 29-May 2, Philadelphia, PA.
4. James Mooney, MD, Nicholas Erickson, MD, Ben Saccomano, MD, Pedram Maleknia, BA, Winfield S Fisher III, MD. Predictors and outcomes of subdural hematomas managed via subdural evacuation port system (SEPS). *AANS Annual Meeting 2022 (E-poster)*. April 29-May 2, Philadelphia, PA.
5. Erickson NJ, Mooney JH, Walters BC, Agee B, Fisher WS. The Validity of the Koos Classification System with Respect to Facial Nerve Function. *AANS Annual Meeting 2022 (E-poster)*. April 29-May 2, Philadelphia, PA.
6. James Mooney, MD, Nicholas Laskay, MD, Nicholas Erickson, MD, Arsalaan Salehani, Anil Mahavadi, MD, Adeel Ilyas, MD, Bipul Mainali, BA, Jake Godzik, MD. General vs Local Anesthesia for Percutaneous Endoscopic Lumbar Discectomy: A Systematic Review and Meta-Analysis. *Lumbar Spine Research Society Annual Meeting 2022*. April 7-8, Chicago, IL.
7. James Mooney, MD, Nicholas Erickson, MD, Arsalaan Salehani, Nick Laskay, Anil Mahavadi, Adeel Ilyas, MD, Bipul Mainali, BA, Nitin Agarwal, M.D., Jakub Godzik, MD. Microendoscopic Lumbar Discectomy with General versus Local Anesthesia: A Systematic Review and Meta-Analysis. *AANS/CNS Spine Section 2022 (Oral Presentation)*. Feb 23-26, Las Vegas, NV.
8. James Mooney, MD, Nicholas Erickson, MD, Ben Saccomano, MD, Pedram Maleknia, BA, Winfield S Fisher III, MD. Predictors and outcomes of subdural hematomas managed via subdural evacuation port system (SEPS). *Southern Neurosurgical Society Annual Meeting 2022 (E-poster)*. Feb 16-19, Hollywood, FL.
9. James Mooney, MD, Arsalaan Salehani, Nicholas Erickson, MD, MD, Evan Thomas, MD, Adeel Ilyas, MD, Sage Rahm, MD, Nicholas Eustace, BA, Pedram Maleknia, BA, Omer Yousuf BA, Ben Saccomano, MD, Markus Bredel, MD, PhD, John Fiveash, MD, Chris Dobelbower, MD, Winfield S Fisher III, MD. Stereotactic Radiosurgery for Ruptured versus Unruptured Intracranial Arteriovenous Malformations. *Southern Neurosurgical Society Annual Meeting 2022 (Oral Presentation)*. Feb 16-19, Hollywood, FL.

10. James Mooney, MD, Nicholas Erickson, MD, Ben Saccomano, MD, Pedram Maleknia, BA, Winfield S Fisher III, MD. Predictors and outcomes of subdural hematomas managed via subdural evacuation port system (SEPS). *Galbraith Scientific Session 2021 (Oral Presentation)*. November 12, Birmingham, AL.
11. James Mooney, MD, Nicholas Erickson, MD, Arsalaan Salehani, MD, Evan Thomas, MD, Adeel Ilyas, MD, Sage Rahm, MD, Nicholas Eustace, BA, Pedram Maleknia, BA, Omer Yousuf BA, Ben Saccomano, MD, Markus Bredel, MD, PhD, John Fiveash, MD, Chris Dobelbower, MD, Winfield S Fisher III, MD. Seizure Rates after Stereotactic Radiosurgery for Cerebral AVMs: A Single Center Study. *Galbraith Scientific Session 2021 (Oral Presentation)*. November 12. Birmingham, AL.
12. James Mooney, MD, Nicholas Erickson, MD, Arsalaan Salehani, MD, Evan Thomas, MD, Adeel Ilyas, MD, Sage Rahm, MD, Nicholas Eustace, BA, Pedram Maleknia, BA, Omer Yousuf BA, Ben Saccomano, MD, Markus Bredel, MD, PhD, John Fiveash, MD, Chris Dobelbower, MD, Winfield S Fisher III, MD. Seizure Rates after Stereotactic Radiosurgery for Cerebral AVMs: A Single Center Study. *CNS Annual Meeting 2021 (E-poster)*. Oct 16-20, Austin, TX.
13. Nicholas Erickson, MD, Philip G.R. Schmalz, MD, Bonita S Agee, PhD, Matthew Fort, MD, Beverly C Walters, MD, MSc, FRCSC, Benjamin M McGrew, MD, Winfield S Fisher, III, MD. Koos Classification of Vestibular Schwannomas: A Reliability Study. *CNS Annual Meeting 2018. (E-poster)*. Houston, TX
14. Christopher D Shank, MD, Nicholas J Erickson, MD, David W Miller, MD, Brittany F Lindsey, Beverly C Walters, MD, MSc, FRCSC. Reserved Bed Program Reduces Neurosciences ICU Capacity Strain: An Implementation Study. *CNS Annual Meeting 2018. (Oral Presentation)*. Houston, TX.