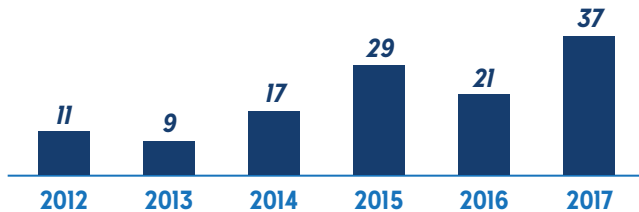


With their extensive clinical and research training, our Neurosurgery residents garner national attention in many ways, including peer-reviewed publications, awards and fellowships.



UNDER THE DIRECTION OF DR. WALTERS AND HER RESEARCH PROGRAM, RESIDENTS HAVE INCREASED THEIR ANNUAL PUBLICATION OUTPUT IN RECENT YEARS, TO A PROGRAM HIGH OF 37 IN 2017.

Latest resident publications

Asmaro K, Pabany AH, Rammo R, Tahir R, Kole MK. Man-in-the-barrel syndrome: Case report of ventral epidural abscess and review of the literature. *Surg Neurol Int.* 2018 Jan 16;9:8. PMID: 29416905.

Basheer A, Macki M, Mahmood A. Traumatic pneumocephaly: Trapped air from where? *BMJ Case Rep.* 2017 Nov 25;2017. PMID: 29175906.

Buraimoh MA, Massie LW, Montgomery DM. Lateral atlantoaxial osteoarthritis: A narrative literature review. *Clin Spine Surg.* 2017 Dec;30(10):433-438. PMID: 29088012.

Macki M, Basheer A, Lee I, Kather R, Rubinfeld I, Abdulhak MM. Surgical site infection after transoral versus posterior approach for atlantoaxial fusion: a matched-cohort study. *J Neurosurg Spine.* 2018 Jan;28(1):33-9. PMID: 29076762.

Macki M, Fakhri M, Kandagatla P, Rubinfeld I, Chang V. The impact of different postgraduate year (PGY) training in neurosurgery residency on 30-day return to operating room – a national surgical quality improvement program study. *World Neurosurg.* 2018 Feb 21; pii: S1878-8750(18)30339-5. PMID: 29476999.

Massie LW, Zakaria HM, Schultz LR, Basheer A, Buraimoh MA, Chang V. Assessment of radiographic and clinical outcomes of an articulating expandable interbody cage in minimally invasive transforaminal lumbar interbody fusion for spondylolisthesis. *Neurosurg Focus.* 2018 Jan;44(1):E8. PMID: 29290133.

Noh T, Walbert T. Brain metastasis: clinical manifestations, symptom management, and palliative care. *Handb Clin Neurol.* 2018;149:75-88. PMID: 29307363.

Peeters S, Skoch J, Holt H, Mubita L, Choudhary EA, Vadivelu KP, Gilbert DL, Wu SW, Keebaugh AC, Air E, Vadivelu S. Functional neuroanatomy of secondary self-injurious behavior. *Pediatr Neurosurg.* 2018 Feb 3. PMID: 29402877. [Epub ahead of print]

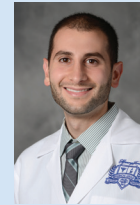
Rammo RA, Greiner HM, Trout AT, Leach JL, Rozhkov L, Fujiwara H, Rose DF, Mangano FT. False lateralization of pre-surgical work-up in a child with a cortical cavernous malformation and intractable epilepsy. *J Neurosurg Sci.* 2018 Feb;62(1):91-94. PMID: 29239163.

Skoch J, Tahir R, Abruzzo T, Taylor JM, Zuccarello M, Vadivelu S. Predicting symptomatic cerebral vasospasm after aneurysmal subarachnoid hemorrhage with an artificial neural network in a pediatric population. *Childs Nerv Syst.* 2017 Dec;33(12):2153-2157. PMID: 28852853.

Tahir RA, Rotman LE, Davis MC, Dupepe EB, Kole MK, Rehman M, Williams CT, Pamboukian SV, Bazyldo M, Walters BC. Intracranial hemorrhage in patients with a left ventricular assist device. *World Neurosurg.* 2018 Mar 3; pii: S1878-8750(18)30408-X. PMID: 29510276.

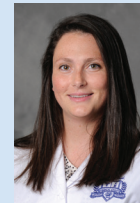
Zakaria H, Haider S, Lee I. Automated whole brain tractography affects preoperative surgical decision making. *Cureus.* 2017 Sep 6;9(9):e1656. PMID: 29147631.

Resident awards



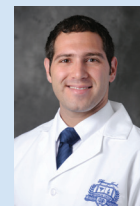
MOHAMED MACKI, M.S., M.D.

Top National Award-Winning Poster in the Council of State Neurosurgical Societies (CSNS) session at the 2017 Congress of Neurological Surgeons Meeting



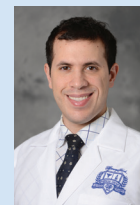
LARA MASSIE, M.D.

Society for Minimally Invasive Spine Surgery 2018 Best Paper Award



RICHARD RAMMO, M.D.

The Donald O. Quest Resident Clinical Science Award in the Young Neurosurgeons Research Forum at the 2017 American Association of Neurological Surgeons Annual Meeting



HESHAM ZAKARIA, M.S., M.D.

Charles Kuntz Scholar Award at the 2018 CNS/AANS Joint Section on Disorders of the Spine and Peripheral Nerves

Recent resident fellowships

- **AQUEEL PABANEY, M.D.**, 2016, Cerebrovascular/Skull Base, Louisiana State University
- **ADAM ROBIN, M.D.**, 2016, Brain Tumor, Sloan Kettering Institute
- **RUSHNA ALI, M.D.**, 2017, Functional/Epilepsy, Vanderbilt University
- **LYNN MUBITA, M.D.**, 2018, Trauma, University of Miami
- **LARA MASSIE, M.D.**, 2019, Spine, University of Virginia
- **RICHARD RAMMO, M.D.**, 2019, Functional/Epilepsy, Cleveland Clinic
- **RIZWAN TAHIR, M.D.**, 2020, Cerebrovascular, Thomas Jefferson University