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# CAMILLE K. MILTON, M.D.

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## EDUCATION

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- University of Tennessee Health Science Center | July 2021-Present |
  - Residency, Department of Neurosurgery
- M.D. | 2021 | University of Oklahoma College of Medicine
  - USMLE Steps 1, 2 CS, and 2 CK passed
- B.S. in Biology | 2015 | University of Oklahoma

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## EXPERIENCE

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### Research Experiences

#### 2019-2020 | Medical Student Research Assistant

- Undertook a research year with the University of Oklahoma Department of Neurosurgery between third and fourth year of medical school
- Contributed to more than 25 research projects, covering clinical and translational topics, with the OU Department of Neurosurgery involving a variety of neurosurgical disciplines including vascular, spine, tumor, and skull base.
- **2016-2018** | Conducted functional neuroimaging and white matter tractography research with the University of Oklahoma Department of Neurosurgery throughout first two years of medical school
- **2015-2016** | Research Technician for Stephenson Cancer Center Research Core
  - Assisted in processing pathology specimens for clinical and basic science cancer research on OUHSC campus
  - Experienced in a variety of laboratory skills including cell and tissue culture, immunochemistry, and other molecular biology techniques
- **2015** | OUHSC Summer Undergraduate Research Experience
  - Selected as undergraduate to spend a summer conducting neurophysiology research

### Leadership Positions

- **2020-2021** | Co-President of American Association of Neurological Surgeons Student Chapter
- **2019-2020** | President of Surgical Subspecialties Interest Group, Secretary and co-founding member of American Association of Neurological Surgeons Student Chapter at the University of Oklahoma
- **2018-2019** | Vice President of OUHSC Surgical Subspecialties Interest Group
- **2017-2018** | Secretary of OUHSC Surgical Subspecialties Interest Group

### Volunteering

- Member of the leadership team for Unity Clinic, a completely student-led interdisciplinary free clinic that provides comprehensive care for underserved patients.
- More than 100 hours experience throughout medical school providing health care for underserved patients at free clinics.

### Other Skills

- Spanish Fluency:
  - 2016-Volunteer translator during medical mission trip to Peru
  - Completed 40-hour Spanish Medical Interpreting Course

## SCHOLARLY PUBLICATIONS

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1. **Milton CK**, O'Neal CM, Conner AK. Functional connectivity of hippocampus in temporal lobe epilepsy depends on hippocampal dominance: a systematic review of the literature. *Journal of Neurology*. 2021;1-12.
2. **Milton CK**, Pelargos PE, Dunn IF. Cavernous Sinus invasion by Growth-Hormone Secreting Pituitary Adenomas. *Journal of Neurological Surgery Part B: Skull Base*. 2021;82(S 02):P123.
3. **Milton CK**, Bien AG, Krempl GA, Sanclement JA, Mhaweji R, Glenn CA. Primary Dural Repair Using Titanium Microclips Following Lateral Skull Base Surgery. *Journal of Neurological Surgery Part B: Skull Base*. 2021.
4. O'Connor KP, Palejwala AH, **Milton CK**, et al. Laser interstitial thermal therapy case series: choosing the correct number of fibers depending on lesion size. *Oper Neurosurg*. 2021;20(1):18-23.
5. **Milton CK**, Dhanaraj V, Young IM, et al. Parcellation-based anatomic model of the semantic network. *Brain and behavior*. 2021;11(4):e02065.
6. **Milton CK**, Lee BJ, Voronovich ZA, et al. Prolactinoma extension as a contributing factor in dopamine agonist-induced CSF rhinorrhea: a systematic review of the literature. *Br J Neurosurg*. 2021:1-6.
7. **Milton CK**, Gordon DL, Glenn CA, Conner AK. Cerebral venous thrombosis of the sphenoparietal sinus: A case report. *Surgical Neurology International*. 2021;12.
8. Carter LM, **Milton CK**, O'Connor KP, Chakraborty AR, Stephens TM, Glenn CA. Dynamic Occlusion of Distal Ventriculoperitoneal Shunt Catheter after Infusion Port Placement: A New Shunt Malfunction. *Journal of Neurological Surgery Reports*. 2021;82(02):e17-e20.
9. **Milton CK**, Pelargos PE, Stetson ND, Maldonado-Vital M, Fung K-MA, Dunn IF. A rare giant mixed germ cell tumor of the pineal region with immature elements: Case report and review of the literature. *Rare Tumors*. 2021;13:20363613211026501.
10. O'Connor KP, Pelargos PE, **Milton CK**, Peterson JEG, Bohnstedt B. Cryptococcal choroid plexitis and non-communicating hydrocephalus. *Cureus*. 2020;12(6).
11. Palejwala AH, O'Connor KP, **Milton CK**, et al. Anatomy and white matter connections of the fusiform gyrus. *Scientific Reports*. 2020;10(1):1-12.
12. **Milton CK**, O'Connor KP, Palejwala AH, Pelargos P, Glenn CA. In Reply to the Letter to the Editor Regarding "Resection of Pediatric Trigeminal Schwannoma Using Minimally Invasive Approach: Case Report, Literature Review and Operative Video". *World Neurosurg*. 2020;134:683-683.
13. Palejwala AH, O'Connor KP, **Milton CK**, et al. Laser Interstitial Thermal Therapy for Metastatic Melanoma After Failed Radiation Therapy: A Case Series. *Oper Neurosurg*. 2020;19(2):126-133.
14. O'Connor KP, **Milton CK**, Strickland A, Apple B, Bohnstedt BN. Flat-Detector CT to Quantify Response to Intra-Arterial Spasmolytic Therapy for Cerebral Vasospasm. *Journal of Neuroimaging*. 2020;30(2):227-232.
15. O'Connor KP, Strickland AE, Ernst GL, **Milton CK**, Cheema AA, Bohnstedt BN. Embolization and open decompression of a giant aneurysm involving the P2 segment of the posterior cerebral artery. *World Neurosurg*. 2020;133:172.
16. **Milton CK**, Andrews BJ, Baker CM, et al. Primary Repair of Posteriorly Located Anterior Skull Base Dural Defects Using Nonpenetrating Titanium Clips in Cranial Trauma. *Journal of Neurological Surgery Part B: Skull Base*. 2020.
17. **Milton CK**, Pelargos PE, Dunn IF. Headache outcomes after surgery for pineal cyst without hydrocephalus: a systematic review. *Surgical Neurology International*. 2020;11.
18. Wilson CP, Chakraborty AR, Pelargos PE, et al. Rosette-forming glioneuronal tumor: an illustrative case and a systematic review. *Neuro-oncology advances*. 2020;2(1):vdaa116.
19. O'Connor KP, Smitherman AD, **Milton CK**, et al. Surgical treatment of tethered cord syndrome in adults: a systematic review and meta-analysis. *World Neurosurg*. 2020;137:e221-e241.
20. **Milton CK**, O'Connor KP, Martin MD. In Reply to the Letter to the Editor Regarding "Surgical Treatment of Tethered Cord Syndrome in Adults: A Systematic Review and Meta-Analysis". *World Neurosurg*. 2020;139:648.

21. **Milton CK**, O'Connor KP, Smitherman AD, Conner AK, Martin MD. Solitary osteochondroma of the cervical spine presenting with quadriparesis and hand contracture. *Surgical neurology international*. 2020;11.
22. **Milton CK**, Palejwala AH, O'Connor KP, McCoy TM, Conner AK, Glenn CA. Diffusion Tensor Imaging Tractography for Fornix Identification in Intraventricular Tumor Surgery: A Case Series. *Neurosurgery Open*. 2020;1(3):okaa005.
23. Palejwala AH, O'Connor KP, Pelargos P, et al. Anatomy and white matter connections of the lateral occipital cortex. *Surgical and Radiologic Anatomy*. 2020;42(3):315-328.
24. Briggs RG, Pryor DP, Conner AK, et al. The Artery of Aphasia, A Uniquely Sensitive Posterior Temporal Middle Cerebral Artery Branch that Supplies Language Areas in the Brain: Anatomy and Report of Four Cases. *World Neurosurg*. 2019;126:e65-e76.
25. Baker CM, Burks JD, Briggs RG, et al. A connectomic atlas of the human cerebrum—chapter 6: the temporal lobe. *Oper Neurosurg*. 2018;15(suppl\_1):S245-S294.
26. Kam K-L, Parrack P, **Milton C**, et al. Temporal and anatomical expression of Rab5 subfamily of GTPases in the central nervous system. Paper presented at: JOURNAL OF NEUROPATHOLOGY AND EXPERIMENTAL NEUROLOGY 2018.
27. Baker CM, Burks JD, Briggs RG, et al. A connectomic atlas of the human cerebrum—chapter 8: the posterior cingulate cortex, medial parietal lobe, and parieto-occipital sulcus. *Oper Neurosurg*. 2018;15(suppl\_1):S350-S371.