

Garrett Thomas Venable, M.D.

EDUCATION

- July 2016 – Present (July 2023) University of Tennessee Health Science Center
- Residency, Department of Neurosurgery
 - ABNS written boards passed
 - Planning PGY7 CAST certified minimally invasive spine enfolded fellowship under Dr. Kevin T Foley
- August 2012- May 2016 University of Tennessee Health Science Center (UTHSC)
Doctor of Medicine, with high honors
- USMLE Steps 1, 2CS, 2CK passed
- August 2006- May 2011 University of Tennessee at Chattanooga (UTC)
Bachelor of Science, *magna cum laude*

AWARDS/HONORS

- 2019 CNS Pediatric Paper of the Year (Multicenter preventable shunt revisions)
- 2018 CNS Pediatric Paper of the Year (Pediatric Pineoblastoma)
- 2015 Alpha Omega Alpha (ΑΩΑ) Medical Honor Society Member
- 2013-2016 Albright Armstrong Rice Merit Scholarship Recipient
- 2010 Golden Key National Honor Society, UTC
- 2008-2010 Dean's List, UTC
- 2006-2010 Tennessee HOPE scholarship recipient, UTC

APPOINTMENTS/EXPERIENCES

- March 2020 NREF Neurosurgery spinal deformity course
- Aug 2014- Present Research Assistant, St. Jude Children's Research Hospital, Memphis, TN
 - Data collection, statistical analysis, and manuscript production for the department of neurosurgery
- May 2014- Present 3D Neuro-anatomy Editor, The Rhoton Collection (ineurodb.org)
 - Preparation of anatomy lectures, video editing, and detailed 3-D slide editor for the Rhoton neuroanatomical database. The database is currently in collaboration with the *Journal of Neurosurgery* to provide anatomical correlation to each manuscript.

- May 2014-Aug 2014 Research Assistant; UT Neurosurgery Department Lab, Memphis, TN
 - Functioned as a student mentor to current UT medical students and regional undergraduate students interested in neurosurgery while coordinating research projects between multiple faculty members and departments.
- April 2014- May 2016 President (2015-2016); UT Student Neurosurgical Society
 - Provide mentorship to underclassmen interested in neurosurgery while facilitating faculty/student relationships and research opportunities. Helped to establish a monthly lectureship series for medical students by neurosurgical faculty. Served as Vice President (2014-2015).
- May 2013-Aug 2013 Research Assistant; Restorative Neurosciences Foundation, Memphis, TN
 - Primary researcher, statistical analysis, manuscript production, and student mentor focusing primarily on functional and stereotactic neurosurgery research.
- Dec 2012-May 2013 Gross Anatomy Tutor; UTHSC College of Medicine, Memphis, TN
 - Gross anatomy tutor to students in colleges of medicine and dentistry at UTHSC
- May 2011-May 2012 Emergency Dept. Volunteer, St. Thomas Hospital, Murfreesboro, TN
 - Worked as a volunteer in the ED. Aided in clinical care and history taking to care providers while gaining valuable experience in communicating with patients and their families.
- Dec 2008- May 2010 Volunteer, RockeTown React afterschool program, Nashville, TN
 - Served as a tutor and mentor to Nashville inner city middle and high school students, many of which had histories of gang participation or gang violence. Tutored in math and sciences.

PROFESSIONAL MEMBERSHIPS

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| 2019-present | North American Spine Association |
| 2015-Present | Alpha Omega Alpha Medical Honor Society |
| 2015-Present | Congress of Neurological Surgeons |
| 2015-Present | AANS/CNS Cerebrovascular Section |
| 2013-Present | American Association of Neurological Surgeons |
| 2012-Present | American Medical Student Association |
| 2012-Present | University of Tennessee Student Neurosurgical Society |

SCHOLARLY PUBLICATIONS

Publications: 26 Citations: 498 h-index: 11 g-index: 15 i10-index: 12

1. Lee RP, Ajmera S, Thomas F, **Venable GT**, et al. Shunt Failure-The First 30 Days. *Neurosurgery*. 2020;87(1):123-129. doi:10.1093/neuros/nyz379
2. **Venable GT**, Dave P, Gordon WE, Fraser BD, Wallace DA, Mangham W, Taylor DR, Khan NR, Michael LM, Vaughn BN, Klimo P Jr. Application of the Preventable Shunt Revision Rate to an Adult Population. *World Neurosurgery*. 2020 Feb;134:e815-e821. doi: 10.1016/j.wneu.2019.11.018. Epub 2019 Nov 9. PMID: 31715417
3. Dave P, **Venable GT**, Jones TL, Khan NR, Albert GW, Chern JJ, Wheelus JL, Governale LS, Huntoon KM, Maher CO, Bruzek AK, Mangano FT, Mehta V, Beaudoin W, Naftel RP, Basem J, Whitney A, Shimony N, Rodriguez LF, Vaughn BN, Klimo P Jr. The Preventable Shunt Revision Rate: A Multicenter Evaluation. *Neurosurgery*. 2018 Jul 6. doi: 10.1093/neuros/nyy263. [Epub ahead of print] PMID: 29982642
4. Lillard JC, **Venable GT**, Khan NR, Tatevossian RG, Dalton J, Vaughn BN, Klimo P Jr. Pediatric Supratentorial Ependymoma: Surgical, Clinical, and Molecular Analysis. *Neurosurgery*. 2018 Jun 16. doi: 10.1093/neuros/nyy239. PMID: 29917116
5. Lee RP, Xu R, Dave P, Ajmera S, Lillard JC, Wallace D, Broussard A, Motiwala M, Norrdahl S, Howie C, Akinduro O, **Venable GT**, Khan NR, Taylor DR, Vaughn BN, Klimo P Jr. Taking the next step in publication productivity analysis in pediatric neurosurgery. *J Neurosurg Pediatr*. 2018 Jun;21(6):655-665. doi: 10.3171/2018.1.PEDS17535. PMID: 29570033
6. Khan NR, Saad H, Oravec CS, Rossi N, Nguyen V, **Venable GT**, Lillard JC, Patel P, Taylor DR, Vaughn BN, Kondziolka D, Barker FG 2nd, Michael LM 2nd, Klimo P Jr. A Review of Industry Funding in Randomized Controlled Trials Published in the Neurosurgical Literature-The Elephant in the Room. *Neurosurgery*. 2018 Feb 15. doi: 10.1093/neuros/nyx624. PMID: 29462484
7. **GT Venable**, ML Roberts, RP Lee, LM Michael II. Primary Dural Closure for Retrosigmoid Approaches. *J Neurol Surg B*. 2018; 79(04): 330-334. DOI: 10.1055/s-0037-1607455
8. Lee RP, **Venable GT**, Vaughn BN, Lillard JC, Oravec CS, Klimo P Jr. The Impact of a Pediatric Shunt Surgery Checklist on Infection Rate at a Single Institution. *Neurosurgery*. 2017 Oct 18. doi: 10.1093/neuros/nyx478. PMID: 29048591
9. Parikh KA, **Venable GT**, Orr BA, Choudhri AF, Boop FA, Gajjar AJ, Klimo P Jr. Pineoblastoma-The Experience at St. Jude Children's Research Hospital. *Neurosurgery*. 2017 Jul 1;81(1):120-128. doi: 10.1093/neuros/nyx005. PMID: 28327927
10. Wakefield DV, Venable GT, VanderWalde NA, Michael LM 2nd, Sorenson JM, Robertson JH, Cunningham D, Ballo MT. Comparative Neurologic Outcomes of Salvage and Definitive Gamma Knife Radiosurgery for Glomus Jugulare: A 20-Year Experience. *J Neurol Surg B Skull Base*. 2017 Jun;78(3):251-255. doi: 10.1055/s-0036-1597986. Epub 2017 Jan 23. PMID: 28593112

11. Smalley ZS, Venable GT, Einhaus S, Klimo P Jr. Low-pressure Hydrocephalus in Children: A Case Series and Review of the Literature. *Neurosurgery*. 2017 Mar 1;80(3):439-447. doi: 10.1093/neuros/nyw046. Review. PMID: 28362957
12. Lee RP, **Venable GT**, Roberts ML, Parikh KA, Taylor DR, Khan NR, Michael LM 2nd, Klimo P Jr. Five-Year Institutional Bibliometric Profiles for 119 North American Neurosurgical Residency Programs: An Update. *World Neurosurgery*. 2016 Nov;95:565-575. doi: 10.1016/j.wneu.2016.07.006. PMID: 27465417
13. Thiessen CR, **Venable GT**, Kerr NC. Publication productivity of academic ophthalmologists and academic ophthalmology departments in the United States: and analytical report. *Journal of Academic Ophthalmology*. Accepted for publication 1/26/2016
14. **Venable GT**, Rossi NB, Morgan Jones G, Khan NR, Smalley ZS, Roberts ML, Klimo P Jr. The Preventable Shunt Revision Rate: a potential quality metric for pediatric shunt surgery. *Journal of Neurosurgery: Pediatrics*. 2016 Mar 11:1-9. [Epub ahead of print] PMID: 26966884.
15. Klimo P Jr, Michael LM 2nd, **Venable GT**, Taylor DR. Letter to the Editor: Bibliometrics. *Journal of Neurosurgery*. 2016 Jan 1:1-2. [Epub ahead of print] PMID: 26722863.
16. **Venable GT**, Green CS, Smalley Z, Bedford EC, Modica J, Klimo P Jr. What is the risk of a shunt malfunction after elective intradural surgery? *Journal of Neurosurgery: Pediatrics*. 2015 Dec; 16(6):642-7. PMID: 26359674.
17. **Venable GT**, Shepherd BA, Loftis CM, McClatchy SG, Roberts ML, Fillinger ME, Tansey JB, Klimo P Jr. Bradford's law: identification of the core journals for neurosurgery and its subspecialties. *Journal of Neurosurgery*. *Journal of Neurosurgery*. 2015 Sep 4:1-11. [Epub ahead of print] PMID: 26339849
18. Khan NR, Clark AJ, Lee SL, **Venable GT**, Rossi NB, Foley KT. Surgical outcomes for minimally invasive versus open transforaminal lumbar interbody fusion (TLIF): an updated systematic review and meta-analysis. *Neurosurgery*. 2015 Dec; 77(6): 847-74. PMID: 26214320
19. Taylor DR, **Venable GT**, Jones MG, Lepard JR, Roberts ML, Saleh N, Sidiqi SK, Moore A, Khan NR, Selden NR, Michael LM, Klimo P Jr. Five-Year institutional bibliometrics profiles for 102 U.S. neurosurgical residency programs. *Journal of Neurosurgery*. 2015 Sep; 123(3):547-60. PMID: 26115470
20. Klimo P Jr, **Venable GT**, Boop FA, Merchant TE. Recurrent craniopharyngioma after conformal radiation in children and the burden of treatment. *Journal of Neurosurgery Pediatrics*. 2015 May; 15(5):499-505 PMID: 25700121.
21. Mohrien KM, Elijovich L, **Venable GT**, Taylor DR, Jones GM. Intensive blood pressure control during the hyperacute phase of intracerebral hemorrhage in patients at risk for resistant hypertension: A retrospective cohort study. *Journal of Critical Care*. 2015 April;30(2):369-74. PMID: 25454074
22. Klimo P Jr, **Venable GT**, Khan NR, Taylor DR, Shepherd BA, Thompson CJ, Selden NR. Bibliometric evaluation of pediatric neurosurgery in North America. *Journal of Neurosurgery Pediatrics*. 2014 Dec;14(6):695-703. PMID: 25280195.
23. **Venable GT**, Shepherd BA, Roberts ML, Taylor DR, Khan NR, Klimo P Jr. An application of Bradford's law: identification of the core journals of pediatric neurosurgery and a regional comparison of citation density. *Childs Nervous System*. 2014 Oct;30(10):1717-27. PMID: 25098356.

24. Sillay, K. A., McClatchy, S. G., Shepherd, B. A., **Venable, G. T.**, Fuehrer, T. S. Image-guided Convection-enhanced Delivery into Agarose Gel Models of the Brain. *Journal of Visualized Experiments*. 2014 May 14;(87) PMID: 24894268
25. Khan, N.R., Thompson, C.J., Taylor, D.R., **Venable, G.T.**, Matthew Wham, R., Madison Michael II, L., Klimo Jr., P. An analysis of publication productivity for 1225 academic neurosurgeons and 99 departments in the United States: Clinical article. *Journal of Neurosurgery*. 2014 Mar;120(3):746-55. PMID: 24359012
26. **Venable, G.T.**, Khan, N.R., Taylor, D.R., Thompson, C.J., Michael, L.M., Klimo Jr., P. A correlation between national institutes of health funding and bibliometrics in neurosurgery. *World Neurosurgery*. 2014 Mar-April;81(3-4):468-72. PMID: 24239737

PRESENTATIONS

1. ZS Smalley, **Venable GT**, S Einhaus, P Klimo Jr. “Low-pressure hydrocephalus in children: a case series and review of the literature.” *Poster Presentation*. Apr 30- May 4, 2016. *American Association of Neurological Surgeons Annual Meeting*. Chicago, IL
2. RP Lee, **Venable GT**, ML Roberts, KA Parikh, LM Michael II, P Klimo Jr. “Five-year Institutional Bibliometric Profiles for 119 North American Neurosurgical Residency Programs – An Update.” *Poster Presentation*. Apr 30- May 4, 2016. *American Association of Neurological Surgeons Annual Meeting*. Chicago, IL
3. ML Roberts, **Venable GT**, Lee RP, LM Michael II. “Primary dural closure for retrosigmoid approaches: Is it possible in all cases?” *Poster Presentation*. Apr 30- May 4, 2016. *American Association of Neurological Surgeons Annual Meeting*. Chicago, IL
4. Parikh KA, **Venable GT**, Boop FA, Klimo P Jr. “Impact of extent of resection on survival of pineoblastoma in children.” *Oral Presentation*. December 8-11, 2015. *CNS/AANS Section on Pediatrics Annual Meeting*. Seattle, WA
5. Thiessen CR*, **Venable GT**, Ridenhour NC, Kerr NC. “An analytical report of publication productivity for 2792 academic ophthalmologists and 110 departments in the United States.” *Poster Presentation*. November 14-17, 2015. *American Academy of Ophthalmology*. Las Vegas, NV
6. **Venable GT**, Rossi NB, Khan NR, Smalley ZS, Roberts ML, Klimo P Jr*. “The preventable shunt revision rate – a potential quality metric for pediatric shunt surgery.” *Oral Presentation*. September 26-30, 2015. *Congress of Neurological Surgeons Annual Meeting*. New Orleans, LA
7. **Venable GT**, Green CS, Smalley Z, Bedford EC, Modica J, Klimo P Jr*. “What is the risk of a shunt malfunction after elective intradural surgery?” *Oral Presentation*. September 26-30, 2015. *Congress of Neurological Surgeons Annual Meeting*. New Orleans, LA
8. Thiessen CR*, **Venable GT**, Ridenhour NC, Kerr NC. “An analytical report of publication productivity for 878 academic ophthalmologists and 39 departments in the Southern region of the United States.” *Poster Presentation*. May 14-17, 2015. *American Ophthalmological Society Annual Meeting*. Newport, RI

9. Khan NR, Clark AJ*, Lee SL, **Venable GT**, Rossi NB, Foley KT. “Surgical Outcomes for Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion (TLIF): An Updated Systematic Review and Meta-Analysis.” Oral and *Poster Presentation*. March 4-7, 2015. *CNS/AANS Section on Disorders of the Spine and Peripheral Nerves Annual Meeting*. Phoenix, AZ
10. **Venable GT**, Shepherd BA*, Loftis CM, McClatchy SG, Roberts ML, Fillinger ME, Tansey JB, Klimo P Jr. “Bradford’s law: identification of the core journals for neurosurgery and its subspecialties.” *Poster Presentation*. February 20, 2015. *AOA Student Research Day*. Memphis, TN
11. Thiessen CR*, **Venable GT**, Ridenhour NC, Kerr NC. “An application of bibliometrics to academic ophthalmology.” *Poster Presentation*. February 20, 2015. *AOA Student Research Day*. Memphis, TN
12. **Venable GT***, Boop FA, Merchant TE, Klimo PJ. “Recurrent craniopharyngioma after conformal radiation therapy in children.” *Oral Presentation*. December 2-5, 2014. *CNS/AANS Section on Pediatrics Annual Meeting*. Amelia Island, FL
13. **Venable GT***, Boop FA, Merchant TE, Klimo PJ. “Recurrent craniopharyngioma after conformal radiation therapy.” *Poster Presentation*. November 17-19, 2014. *Pediatrics Research Day at LeBohneur Children’s Hospital*. Memphis, TN
14. **Venable GT**, Shepherd BA, Roberts ML*, Taylor DR, Khan NR, Klimo P Jr. “An application of Bradford’s law: identification of the core journals of pediatric neurosurgery and a regional comparison of citation density.” *Poster Presentation*. November 17-19, 2014. *Pediatrics Research Day at LeBohneur Children’s Hospital*. Memphis, TN
15. Taylor DR, **Venable GT**, Michael LM, Klimo PJ*. “Institutional neurosurgical bibliometric profiles.” *Oral Presentation*. August 8-10, 2014. *Annual meeting of the Tennessee Neurosurgical Society*: Memphis, TN
16. Michael LM*, Taylor DR, **Venable GT**, Klimo PJ. “Bibliometrics in neurosurgery; the Institutional h-index.” *Oral Presentation*. July 17-20, 2014. *Annual meeting of the Society of University Neurosurgeons*. Seattle, WA
17. Klimo PJ*, **Venable GT**, Khan NR, Taylor DR, Shepherd BA. “Bibliometrics in pediatric neurosurgery.” *Oral Presentation*. January 26-31, 2014. *Annual meeting of the American Society of Pediatric Neurosurgeons*. Costa Rica.
18. Khan NR, Thompson CJ, Taylor DR, **Venable GT**, Wham RM, DeCuypere M, Boop FA, Klimo PJ*. “An analysis of publication productivity for 1,225 academic neurosurgeons and 99 departments.” *Poster Presentation*. October 19-23, 2013 *CNS Annual Meeting*: San Francisco, CA.
19. Khan NR*, Thompson CJ, Taylor DR, **Venable GT**, Wham RM, DeCuypere M, Boop FA, Klimo PJ. “Bibliometrics in neurosurgery.” *Oral Presentation*. Aug 9, 2013. *Annual meeting of the Tennessee Neurosurgical Society*. Nashville, TN

ABSTRACTS

1. Klimo P, **Venable GT**, Rossi N. “What is the risk of a Shunt Malfunction After Elective Intradural Surgery?” *Neurosurgery*. Aug 2015/ Supplement 1, Clinical Neurosurgery: Pages 229-230.
2. Klimo P, **Venable GT**, Rossi N. “Etiologies of Early Ventricular Shunt Malfunctions and Proposal of a New Quality Metric.” *Neurosurgery*. Aug 2015/ Supplement 1, Clinical Neurosurgery: Page 230.
3. Clark AJ, Khan NR, Lee SL, **Venable GT**, Rossi NB, Foley KT. “Surgical Outcomes for Minimally Invasive versus Open Transforaminal Lumbar Interbody Fusion (TLIF): An Updated Systematic Review and Meta-Analysis.” *Neurosurgical Focus*. Mar 2015 / Vol. 38 / No. 3, Pages A1-A25
4. Paul Klimo Jr., M.D., MPH, **Garrett T. Venable**, B.Sc., Nickalus Khan, M.D., and Frederick A. Boop, M.D. “Bibliometrics in pediatric neurosurgery in North America.” *Journal of Neurosurgery: Pediatrics*. Mar 2014 / Vol. 13 / No. 3, Pages A342-A354