

Shearwood McClelland III, M.D.

Research Overview

Dr. McClelland received his artium baccalaureus with honors in biology from Harvard College, and his medical degree from the Columbia University College of Physicians and Surgeons. He has published extensively on radiation-based and surgery-based modalities for treatment of central nervous system disease, as well as on healthcare disparities involving race, gender, and insurance status across a wide spectrum of diseases. He has also authored several manuscripts utilizing population-based databases for both adult and pediatric conditions.

Dr. McClelland is the recipient of numerous national awards, including the Conquer Cancer Foundation of ASCO Merit Award from the American Society of Clinical Oncology, the Young Oncologist Travel Award from the American Radium Society, the Young Investigator Award from the American Epilepsy Society, the Cone Pevehouse Award from the American Association of Neurological Surgeons, the International Epilepsy Symposium Research Award from the Cleveland Clinic, and the Wilbert C. Jordan Clinical Science Research Award from the Student National Medical Association. His work has been presented at more than 30 national and international scientific meetings including the American Society of Clinical Oncology, the American Society for Radiation Oncology, American Radium Society, International Stereotactic Radiosurgery Society, Society for Neuro-Oncology, American Epilepsy Society, SpineWeek, International Epilepsy Symposium, American Association of Neurological Surgeons, Congress of Neurological Surgeons, National Medical Association, Southern Neurosurgical Society, and the North American Spine Society. He has published more than 80 articles (including 71 first-author publications) in peer-reviewed journals including *JAMA Oncology*, the *International Journal of Radiation Oncology*Biology*Physics*, *Radiotherapy and Oncology*, *Practical Radiation Oncology*, *Advances in Radiation Oncology*, *Neuro-Oncology*, *Journal of Radiosurgery and SBRT*, *Journal of Radiation Oncology*, *Annals of Neurology*, *JAMA Neurology* (formerly *Archives of Neurology*), *Movement Disorders*, *Clinical Genitourinary Cancer*, *Technology in Cancer Research and Treatment*, *Neuromolecular Medicine*, *Otology & Neurotology*, *Neurosurgery*, *Spine*, and the *Journal of Neuro-Oncology*.

Selected Peer-Reviewed Publications (out of 87; last updated 6/10/18):

1. **McClelland S III**, Mitin T. The Danger of Applying the ProtecT Trial to Minority Populations. *JAMA Oncology*, 4(3): 291, 2018. (Electronic Publication Date: February 15, 2018). PMID: 29450467
<http://www.ncbi.nlm.nih.gov/pubmed/29450467>

2. **McClelland S III**, Mitin T, Wilson LD, Thomas CR Jr, Jaboin JJ. Relationship Between Citation-Based Scholarly Activity of United States Radiation Oncology Residents and Subsequent Choice of Academic versus Private Practice Career. *International Journal of Radiation Oncology, Biology, Physics*, 101(1): 46-48, 2018. (Electronic Publication Date: February 3, 2018) PMID: 29619975 <http://www.ncbi.nlm.nih.gov/pubmed/29619975>
3. **McClelland S III**, Sandler KA, Degin C, Chen Y, Mitin T. Dramatically Polarized Opinion on the Role of Brachytherapy Boost in Management of High-Risk Prostate Cancer: A Survey of North American Genitourinary Expert Radiation Oncologists. *Clinical Genitourinary Cancer*, 16(3): e543-e545, 2018. (Electronic Publication Date: February 2, 2018) PMID: 29452837 <http://www.ncbi.nlm.nih.gov/pubmed/29452837>
4. **McClelland S III**, Jaboin JJ, Thomas CR Jr. Radiation Oncology Crossword: Central Nervous System. *International Journal of Radiation Oncology, Biology, Physics*, 100(5): 1300-1303, 2018. PMID: 29722674 <http://www.ncbi.nlm.nih.gov/pubmed/29722674>
5. **McClelland S III**, Perez CA. The Pervasive Crisis of Diminishing Radiation Therapy Access for Vulnerable Populations in the United States – Part 3: Hispanic-American Patients. *Advances In Radiation Oncology*, 3(2): 93-99, 2018. (Electronic Publication Date: December 29, 2017)
- a. **McClelland S III**, Mitin T, Ciporen JN. Is Radiation Therapy for Subtotally Resected Meningioma Causing More Harm Than Good? *International Journal of Radiation Oncology, Biology, Physics*, 100(3): 803-804, 2018. PMID: 29413292 <http://www.ncbi.nlm.nih.gov/pubmed/29413292>
6. **McClelland S III**, Jaboin JJ, Mitin T. Is Advocacy for Active Surveillance over Definitive Intervention in Low-Risk Prostate Cancer Applicable to African-American Patients? *International Journal of Radiation Oncology, Biology, Physics*, 99(5): 1076-1077, 2017. PMID: 29165281 <http://www.ncbi.nlm.nih.gov/pubmed/29165281>
7. **McClelland S III**, Sandler KA, Degin C, Chen Y, Mitin T. Active Surveillance for Low and Intermediate Risk Prostate Cancer: Opinions of North American Genitourinary Oncology Expert Radiation Oncologists. *Clinical Genitourinary Cancer*, 16(2): e323-e325, 2018. (Electronic Publication Date: November 7, 2017) PMID: 29174501 <http://www.ncbi.nlm.nih.gov/pubmed/29174501>
8. **McClelland S III**, Mitin T, Jaboin JJ. Treatment Course Interruption/Delay Due to Weekend Breaks: Acknowledging and Confronting Personal and Professional Biases. *International Journal of Radiation Oncology, Biology, Physics*, 100(2): 299-300, 2018. (Electronic Publication Date: October 28, 2017) PMID: 29353650 <http://www.ncbi.nlm.nih.gov/pubmed/29353650>

9. **McClelland S III**, Jaboin JJ. Treatment of the Ventral Intermediate Nucleus for Medically Refractory Tremor: A Cost-Analysis of Stereotactic Radiosurgery versus Deep Brain Stimulation. *Radiotherapy and Oncology*, 125(1): 136-139, 2017. (Electronic Publication Date: August 14, 2017) PMID: 28818305
<http://www.ncbi.nlm.nih.gov/pubmed/28818305>
10. **McClelland S III**, Kim E, Passias PG, Murphy JD, Attia A, Jaboin JJ. Spinal Stereotactic Body Radiotherapy in the United States: A Decade-Long Nationwide Analysis of Patient Demographics, Practice Patterns, and Trends Over Time. *Journal of Clinical Neuroscience*, in press. (Electronic Publication Date: August 31, 2017) PMID: 28864408
<http://www.ncbi.nlm.nih.gov/pubmed/28864408>
11. **McClelland S III**, Leberknight J, Guadagnolo BA, Coleman CN, Petereit DG. The Pervasive Crisis of Diminishing Radiation Therapy Access for Vulnerable Populations in the United States – Part 2: American Indian Patients. *Advances In Radiation Oncology*, 3(1): 3-7, 2018. (Electronic Publication Date: August 25, 2017) PMID: 29556572
<http://www.ncbi.nlm.nih.gov/pubmed/29556572>
12. **McClelland S III**, Page BR, Jaboin JJ, Chapman CH, Deville C Jr, Thomas CR Jr. The Pervasive Crisis of Diminishing Radiation Therapy Access for Vulnerable Populations in the United States – Part 1: African-American Patients. *Advances In Radiation Oncology*, 2(4): 523-531, 2017. (Electronic Publication Date: August 3, 2017) PMID: 29204518
<http://www.ncbi.nlm.nih.gov/pubmed/29204518>
13. Miller RC, Goyal S, **McClelland S III**, Motwani S, Mayo C, Kaleem T, Videtic G, Hintenlang K. ASTRO's Advances in Radiation Oncology – Success to Date and Future Plans. *Advances in Radiation Oncology*, 2(3): 245-248, 2017. (Electronic Publication Date: May 26, 2017) PMID: 29114588
<http://www.ncbi.nlm.nih.gov/pubmed/29114588>
14. **McClelland S III**, Thomas CR Jr, Wilson LD, Holliday EB, Jaboin JJ. Association of Preresidency Peer-Reviewed Publications with Radiation Oncology Resident Choice of Academic Versus Private Practice Career. *Practical Radiation Oncology*, 7(5): 364-367, 2017. (Electronic Publication Date: April 5, 2017) PMID: 28433523 <http://www.ncbi.nlm.nih.gov/pubmed/28433523>
15. **McClelland S III**, Kim E, Murphy JD, Jaboin JJ. Impact of Insurance Status and Race on Receipt of Treatment for Acoustic Neuroma: A National Cancer Database Analysis. *Journal of Clinical Neuroscience*, 42: 143-147, 2017. (Electronic Publication Date: March 23, 2017) PMID: 28343920
<http://www.ncbi.nlm.nih.gov/pubmed/28343920>

16. **McClelland S III**, Kim E, Murphy JD, Jaboin JJ. Operative Mortality Rates of Acoustic Neuroma Surgery: A National Cancer Database Analysis. *Otology & Neurotology*, 38(5): 751-753, 2017. (Electronic Publication Date: February 9, 2017) PMID: 28187056 <http://www.ncbi.nlm.nih.gov/pubmed/28187056>
17. **McClelland S III**, Marascalchi BJ, Passias PG, Protopsaltis TS, Frempong-Boadu AK, Errico TJ. Impact of Race and Insurance Status on Surgical Approach for Cervical Spondylotic Myelopathy in the United States: A Population-Based Analysis. *Spine*, 42(3): 186-194, 2017. (**Cover Article**) (Electronic Publication Date: May 18, 2016) PMID: 27196022 <http://www.ncbi.nlm.nih.gov/pubmed/27196022>
18. **McClelland S III**, Deville C, Thomas CR Jr, Jaboin JJ. An Overview of Disparities Research in Access to Radiation Oncology Care. *Journal of Radiation Oncology*, 5(4): 437-444, 2016. (Electronic Publication Date: November 7, 2016)
19. **McClelland S III**, Kim E, Murphy JD, Jaboin JJ. Nonoperative Management of Acoustic Neuroma in Geriatric Patients: A National Cancer Database Analysis. *Journal of Radiation Oncology*, 5(4): 345-349, 2016. (Electronic Publication Date: November 7, 2016)
20. **McClelland S III**, Jalai CM, Ryu S, Passias PG. Limitations of Using Population-Based Databases to Assess Trends in Spinal Stereotactic Radiosurgery. *Journal of Radiosurgery and SBRT*, 4(3): 177-180, 2016. PMID: 29296442 <http://www.ncbi.nlm.nih.gov/pubmed/29296442>
21. **McClelland S III**, Marascalchi BJ, Passias PG, Protopsaltis TS, Frempong-Boadu AK, Errico TJ. Operative Fusion of Multilevel Cervical Spondylotic Myelopathy: Impact of Patient Demographics. *Journal of Clinical Neuroscience*, 39:133-136, 2017. (Electronic Publication Date: January 10, 2017) PMID: 28087188 <http://www.ncbi.nlm.nih.gov/pubmed/28087188>
22. **McClelland S III**, Ukuwoma OI, Lunos S, Okuyemi KS. Mortality of Dandy-Walker Syndrome in the United States: Analysis by Race, Gender, and Insurance Status. *Journal of Neurosciences in Rural Practice*, 6(2): 182-185, 2015. (Electronic Publication Date: March 14, 2015) PMID: 25883477 <http://www.ncbi.nlm.nih.gov/pubmed/25883477>
23. **McClelland S III**, Ukwuoma OI, Lunos S, Okuyemi KS. The Natural History of Dandy-Walker Syndrome in the United States: A Population-Based Analysis. *Journal of Neurosciences in Rural Practice*, 6(1): 23-26, 2015. (Electronic Publication Date: October 18, 2014) PMID: 25552847 <http://www.ncbi.nlm.nih.gov/pubmed/25552847>

24. **McClelland S III**, Guo H, Okuyemi KS. Morbidity and Mortality Following Acoustic Neuroma Excision in the United States: Analysis of Racial Disparities During a Decade in the Radiosurgery Era. *Neuro-Oncology*, 13(11): 1252-1259, 2011. (Electronic Publication Date: August 19, 2011) PMID: 21856684 <http://www.ncbi.nlm.nih.gov/pubmed/21856684>
25. **McClelland S III**. A Cost Analysis of Intraoperative Microelectrode Recording During Subthalamic Stimulation for Parkinson's Disease. *Movement Disorders*, 26(8): 1422-1428, 2011. (Electronic Publication Date: June 14, 2011) PMID: 21674622 <http://www.ncbi.nlm.nih.gov/pubmed/21674622>
26. **McClelland S III**, Guo H, Okuyemi KS. Population-Based Analysis of Morbidity and Mortality Following Surgery for Intractable Temporal Lobe Epilepsy In The United States. *Archives of Neurology*, 68(6): 725-729, 2011. (Electronic Publication Date: February 14, 2011) (**Cover Article**) PMID: 21320984 <http://www.ncbi.nlm.nih.gov/pubmed/21320984>
27. **McClelland S III**, Guo H, Okuyemi KS. Racial Disparities in the Surgical Management of Intractable Temporal Lobe Epilepsy in the United States: A Population-Based Analysis. *Archives of Neurology*, 67(5): 577-583, 2010. PMID: 20457957 <http://www.ncbi.nlm.nih.gov/pubmed/20457957>
28. **McClelland S III**. Pre-Residency Peer-Reviewed Publications are Associated with Neurosurgery Resident Choice of Academic Compared to Private Practice Careers. *Journal of Clinical Neuroscience*, 17(3): 287-289, 2010. (Electronic Publication Date: January 15, 2010) (**Cover Article**) PMID: 20079648 <http://www.ncbi.nlm.nih.gov/pubmed/20079648>
29. **McClelland S III**. Postoperative Intracranial Neurosurgery Infection Rates in North America versus Europe: A Systematic Analysis. *American Journal of Infection Control*, 36(8): 570-573, 2008. (Electronic Publication Date: January 31, 2008) (**Cover Article**) PMID: 18926310 <http://www.ncbi.nlm.nih.gov/pubmed/18926310>
30. **McClelland S III**, Curran CC, Davey CS, Okuyemi KS. Intractable Pediatric Temporal Lobe Epilepsy In The United States: Examination of Race, Age, Sex and Insurance Status as Factors Predicting Receipt of Resective Treatment. *Journal of Neurosurgery: Pediatrics*, 107(6): 469-473, 2007. PMID: 18154015 <http://www.ncbi.nlm.nih.gov/pubmed/18154015>
31. **McClelland S III**, Maxwell RE. Hemispherectomy for Intractable Epilepsy in Adults: The First Reported Series. *Annals of Neurology*, 61(4): 372-376, 2007. (Electronic Publication Date: February 23, 2007) PMID: 17323346 <http://www.ncbi.nlm.nih.gov/pubmed/17323346>