

# Lola B. Chambless, M.D.

*née Lola Y. Blackwell*

## CURRICULUM VITAE

---

### BIOGRAPHICAL

#### Current Position

Associate Professor, Neurological Surgery  
Associate Professor (secondary appointment), Radiation Oncology  
Residency Program Director, Neurological Surgery

#### Employment Address

Department of Neurological Surgery  
Vanderbilt University Medical Center  
T-4224 Medical Center North  
1161 21<sup>st</sup> Ave., South  
Nashville, TN 37232-2380

### EDUCATION

#### Undergraduate

2001                      B.S.                      Stanford University, Stanford CA  
Major: Biological Sciences (*conferred with honors*)  
Minor: International Relations

#### Doctoral

2005                      M.D.                      Vanderbilt University School of Medicine, Nashville TN

### POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS

2005-2006	Internship	Vanderbilt University School of Medicine, Nashville TN Department of General Surgery
2006-2012	Residency	Vanderbilt University School of Medicine, Nashville TN Department of Neurological Surgery
2008-2010	Enfolded Fellowship	Vanderbilt University School of Medicine, Nashville TN Department of Neurological Surgery <i>Neurosurgical Oncology, Mentor: Reid C. Thompson, M.D.</i>
2012	Fellowship	Centre for Minimally Invasive Neurosurgery, Sydney AUS <i>Neurosurgical Oncology, Mentor: Charles Teo, M.B.B.S</i>

### SPECIALTY BOARDS AND CERTIFICATIONS

<u>Licensure</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
Tennessee	48484	01/13/2013	01/13/2021

<u>Board Certification</u>	<u>Number</u>	<u>Issue Date</u>	<u>Expiration</u>
American Board of Neurological Surgery	n/a	07/01/2017	06/30/2027

**ACADEMIC APPOINTMENTS**

2013- 2018	Assistant Professor	Vanderbilt University School of Medicine, Neurological Surgery
2019-present	Associate Professor	Vanderbilt University School of Medicine, Neurological Surgery
2019-present	Associate Professor	Vanderbilt University School of Medicine, Radiation Oncology

**ADMINISTRATIVE APPOINTMENTS**

2013- 2014	Assistant Residency Program Director,	Vanderbilt Dept. of Neurological Surgery
2014- 2018	Associate Residency Program Director,	Vanderbilt Dept. of Neurological Surgery
2018- present	Residency Program Director,	Vanderbilt Dept. of Neurological Surgery

**HOSPITAL APPOINTMENTS**

2013-present	Vanderbilt University Medical Center
2013-present	Monroe Carrell Jr. Children's Hospital at Vanderbilt
2013-present	Nashville Veterans Administration Medical Center

**PROFESSIONAL SOCIETIES**

2005-present	Congress of Neurological Surgeons (CNS) <i>Member of the Executive Committee, 2017- present</i> <i>Member-at-Large, 2018-2020</i> <i>Appointed delegate to the CSNS, 2014-2018</i>
2005-present	American Association of Neurological Surgeons (AANS)
2005-present	Tennessee Neurosurgical Society <i>President, 2015</i>
2010-2018	Council of State Neurosurgical Societies (CSNS) <i>Socioeconomic Fellow, 2010-2011</i> <i>Secretary, Young Neurosurgeons Representative Section 2015-2018</i>
2013-present	North American Skull Base Society (NASBS)
2013-present	CNS/AANS Joint Section on Tumors
2017-present	Southern Neurosurgical Society <i>Executive Committee, 2017-present</i>
2020-present	Society of Neurological Surgeons (SNS) <i>Medical Student Committee, 2020-present</i>

**PROFESSIONAL ACTIVITIES****Organizational Activities (Intramural)**

2011-12	Housestaff Advisory Committee, Vanderbilt University
2012	McCleery Award Committee, Vanderbilt University <i>Chairperson</i>
2013-present	Skull Base Committee, Vanderbilt University
2013-present	Program Evaluation Committee, Vanderbilt Neurological Surgery Residency Program <i>Chairperson, 2018-present</i>
2013-present	Core Curriculum Committee, Vanderbilt Neurological Surgery Residency Program <i>Chairperson, 2013-2018</i>
2014-2019	Pituitary Program Task Force, Vanderbilt University

2016-19	Promotion Committee, FMK Phase, Vanderbilt School of Medicine <i>Chairperson, 2017-2019</i>
2018-present	Faculty Senate, Vanderbilt University
2018-2020	Faculty Life Committee, Vanderbilt University
2018-2020	Medical Student Education Committee, Vanderbilt Section of Surgical Sciences
2020	Search Committee, Chief of Trauma Surgery and Surgical Critical Care, Vanderbilt University
2020-present	Faculty Grievance Committee, Vanderbilt University
2021	Search Committee, Chairperson of Otolaryngology, Vanderbilt University

**Organizational Activities (Extramural)**

2011-2013	Safety Committee, U.S. Equestrian Federation (USEF)
2011-2018	Neurotrauma Consultant, U.S. Equestrian Federation (USEF)
2013-present	Unaffiliated Neurotrauma Consultant, National Football League (NFL)
2015-2016	Membership Committee, North American Skull Base Society (NASBS)
2017	Advisory Board Consultant, Abbvie Pharmaceuticals
2017-2018	Scientific Program Committee, Southern Neurosurgical Society
2017-2019	Scientific Program Committee, North American Skull Base Society <i>Director, Skull Base Primer Course 2019</i>
2017-present	Executive Committee, Southern Neurosurgical Society
2017-present	Faculty, Society of Neurological Surgeons (SNS) Junior Resident Boot Camp
2017-present	Executive Committee, Congress of Neurological Surgeons (CNS) <i>Ex-Officio board member, 2017-18, 2020-present</i> <i>Member-at-Large, 2018-2020</i>
2017-present	Leadership Institute, Congress of Neurological Surgeons (CNS) <i>Vice-chairperson, 2017</i> <i>Co-chairperson, 2018-present</i>
2017-present	Committee on Data Science, Congress of Neurological Surgeons (CNS) <i>Chairperson, 2017-2019</i>
2018-2019	Consultant, Stryker Skull Base
2018-2019	Resident Committee, Congress of Neurological Surgeons (CNS) <i>Chairperson, 2018-2019</i>
2018-present	Scientific Program Committee, Congress of Neurological Surgeons (CNS) <i>Vice-Chairperson, 2020-present</i> <i>Chairperson (upcoming), 2021-2022</i>
2018-2020	Website Committee, Society of Neurological Surgeons (SNS)
2019-2020	Education Division, Congress of Neurological Surgeons (CNS) <i>Vice-Chairperson, 2019-2020</i>
2019-2020	American College of Surgeons Summit on Surgical Training <i>Representative of the Congress of Neurological Surgeons (CNS)</i>
2019-present	One Neurosurgery Summit on Professionalism and Competence in Neurosurgical Training <i>Representative of the Congress of Neurological Surgeons (CNS)</i>
2019-present	Scholarship in Data Science, Congress of Neurological Surgery (CNS) <i>Scholarship director, chair of mentorship committee</i>
2020	Congress of Neurological Surgeons (CNS) Townhall Xperience <i>Course director, moderator and speaker for this weekly virtual event</i>
2020	Navigating the Neurosurgical Match in 2020 – 4 part webinar series from the Congress of Neurological Surgeons (CNS) and the Society of Neurological Surgeons (SNS)

	<i>Course director, moderator and speaker</i>
2020-2021	Search Committee, Editor-in-Chief for Neurosurgery Publications
2020-present	Medical Student Committee, Society of Neurological Surgeons (SNS)

## Peer Review Activities

### Ad hoc Reviewer

2012-2013	Clinical Medical Insights: Therapeutics
2012-2013	Medical Science Monitor
2013-2014	Cancer Causes and Control
2013-present	Journal of Neuro-Oncology
2013-present	World Neurosurgery
2013-present	Journal of Neurological Surgery Part B: Skull Base
2014-present	Neurosurgery
2020-present	Neurooncology

## Recognition

### Awards, Honors

1997	U.S. Presidential Scholarship
1997	National Merit Scholarship
2001	Honors, Department of Biological Sciences, Stanford University
2001-2005	Canby Robinson Scholarship (full 4 year merit-based award), Vanderbilt School of Medicine
2004	Alpha Omega Alpha Society, Vanderbilt School of Medicine
2005	American Medical Women Association Award, Vanderbilt School of Medicine
2005	David Freely Award, Vanderbilt School of Medicine
2011	Best Resident Presentation, Tennessee Neurosurgical Society
2011	Outstanding Clinical Teacher, Vanderbilt School of Medicine
2011	Finalist, Association of Women Surgeons resident research contest
2012	Nashville Business Journal "40 Under 40" list
2015	Nashville Business Journal "Healthcare Heros" list

## TEACHING ACTIVITIES (since 2013)

### Medical Student Lectures

2013	"Neurosurgery for the Non-Neurosurgeon" <i>Brain and Behavior Course, MS 2</i>
2013	"Neurosurgery 101" <i>Surgical Clerkship, MS 3</i>
2014	"Localization of Cranial Nerve Lesions" <i>Brain and Behavior Course, MS 2</i>
2014-present	"Applying for Neurosurgical Residency" <i>Monthly during MS 4 subinternships</i>
2015	"Careers in Neurosurgery" <i>Careers in Medicine Elective</i>
2017	"Head Trauma and Concussion" <i>Brain and Behavior Course, MS 1</i>
2017	"Minimally Invasive Brain Surgery" <i>Neurosurgery Elective, MS 1-4</i>
2018	"Concussion and TBI" <i>Brain and Behavior Course, MS 1</i>

### Graduate Student Lectures

2013	"Opportunities and Challenges in Minimally Invasive Neurosurgical Oncology" <i>Vanderbilt Institute for Surgical Engineering</i>
2017	"Minimally Invasive Brain Surgery: A field in consolidation" <i>Vanderbilt Institute for Surgical Engineering</i>

### Resident, Fellow and Faculty Lectures

2013	"Neurosurgery Down Under – lessons learned from fellowship" <i>Neurosurgery Grand Rounds</i>
2013	"Neurosurgery Down Under – lessons learned from fellowship" <i>Neurootology Grand Rounds</i>
2013	"Vanderbilt Medical School Curriculum in Neurosurgery" <i>Neurosurgery Grand Rounds</i>
2015	"Pearls of Endoscopy" <i>Neurosurgery Grand Rounds</i>
2015	"Minimally Invasive Skull Base Surgery" <i>Neurootology Grand Rounds</i>
2015	"Visions for the Residency Program" <i>Neurosurgery resident teaching conference</i>
2015	"ICU Management of Patients with Brain Tumors" <i>ICU Nursing Workshop</i>
2016	"Risk Stratification in Meningioma Surgery" <i>Neurootology Grand Rounds</i>
2016	"Structural Updates to the Residency Program" <i>Neurosurgery resident teaching conference</i>
2016	"Paradigm Shifts in Treatment of Brain Metastases" <i>Palliative Care Grand Rounds</i>
2016	"Modern Management of Brain Metastases" <i>Primary Care Grand Rounds</i>
2016	"Match Policies and Notes for the Resident Interview Process" <i>Neurosurgery Grand Rounds</i>
2017	"Modern Management of Brain Metastases" <i>Oncology faculty teaching conference</i>
2017	"Modern Management of Brain Metastases" <i>Neurology resident teaching conference</i>
2017	"The Role of Surgery in the Management of Brain Metastases" <i>Radiation Oncology resident teaching conference</i>
2017	"CJD Protocol – Updates and New Insights" <i>Neurology Grand Rounds</i>
2017	"Glioma 2017: Updates for Neurosurgeons" <i>Neurosurgery Grand Rounds</i>
2017	"Pituitary Tumors" <i>Radiation Oncology resident teaching conference</i>
2018	"Vascular Injury in Skull Base Surgery" <i>Neurosurgery Grand Rounds</i>
2018	"Neurosurgery for Metastases" <i>Radiation Oncology resident teaching conference</i>
2018-present	"Program Director's Journal Club" <i>Monthly teaching session with neurosurgery residents</i>
2019	"Organized Neurosurgery 101" <i>Neurosurgery Grand Rounds</i>
2020	"Neurosurgical Emergencies for the Critical Care Physician" <i>Pulmonary/Critical Care teaching conference</i>

### Clinical Instruction

#### Undergraduates

2013 – present	Host for Vanderbilt University students in clinic and operating room for a semester at a time through the medical careers interest group
----------------	--

#### Medical Students

2013 – 2017	Director, Neurosurgery Clerkship <i>revised course in 2013</i>
2013 – present	Director, Neurosurgery Advanced Clinical Elective <i>developed course in 2013, expanded 2020</i>
2014 – 2019	Director, "Multidisciplinary Management of Brain Tumors" elective <i>developed course in 2014</i>

#### Neurosurgery Residents

2013 – present	Supervising faculty teaching surgical techniques, outpatient and inpatient management of neurosurgical patients daily
2013 – 2014	Assistant Residency Program Director
2014 – 2018	Associate Residency Program Director
2018 – present	Residency Program Director

#### Otolaryngology Fellows

2013 – present	Supervising faculty for fellows in Rhinology and Neurootology
----------------	---

**Research Instruction**

2013	Supervisor, Emphasis Project, Vanderbilt School of Medicine (Laila Hassam-Malani, BS)
2013	Supervisor, Neuroscience Honors Project, Vanderbilt University (Daniel Brill)
2013 – 2019	Supervisor, Neuroscience 292a, Undergraduate Research, Vanderbilt University (Mohammad Chauhan, Alice Song, Madeline Sherburn)
2016 – 2017	Supervisor, Vanderbilt Medical Scholars Program (Whitney Muhlestein, BS)
2019 – 2020	Supervisor, Vanderbilt Medical Scholars Program (Meredith Monsour, BS)
2019 – present	Scholarship Director, Data Science Scholarship, Congress of Neurological Surgeons (Matthew Pease, MD, Resident in Neurological Surgery, University of Pittsburgh Medical Center)

**Research Mentorship**Residents:

2012 – 2014	Lucy He, M.D.	Current position: Attending Neurosurgeon, Anchorage AK
2012 – 2015	Heather Kistka, M.D.	Current position: Attending Neurosurgeon, South Bend IN
2013 – 2015	Tom O'lynnnger, M.D.	Current position: Attending Neurosurgeon, Greenville SC
2012 – 2015	Rebecca Kasl, M.D.	Current position: PGY 6 Neurosurgery resident, Vanderbilt
2012 – present	Akshikumar Mistry, M.D.	Current position: PGY 7 Neurosurgery resident, Vanderbilt
2013 – present	Saniya Godil, MBBS	Current position: PGY 7 Neurosurgery resident, Vanderbilt
2015 – present	Patrick Kelly, M.D.	Current position: PGY 6 Neurosurgery resident, Vanderbilt
2014 – 2017	Michael Dewan, M.D.	Current position: Assistant Professor of Neurosurgery, Vanderbilt
2014 – 2017	Peter Morone, M.D.	Current position: Assistant Professor of Neurosurgery, Vanderbilt
2014 – 2020	Scott Zuckerman, M.D.	Current position: Fellow in Complex Spine Surgery, Columbia
2015 – 2018	Ryan Cleary, MD	Current position: Attending Radiation Oncologist, Chattanooga TN
2015 – present	Silky Chotai, MBBS	Current position: PGY 4 Neurosurgery resident, Vanderbilt
2017 - 2018	Mohamed Khattab, MD	Current position: PGY 5 Radiation Oncology resident, Vanderbilt
2019 – present	Aaron Yengo-Kahn, MD	Current position: PGY 5 Neurosurgery resident, Vanderbilt
2020 - present	Robert Dambrino, MD	Current position: PGY 3 Neurosurgery resident, Vanderbilt
2020 – present	Michael Feldman, MD	Current position: PGY 5 Neurosurgery resident, Vanderbilt

Graduate Students:

2016 – present	Justine Sinnavee	Current position: PhD Candidate in Cancer Biology, Vanderbilt
----------------	------------------	---

Medical Students:

2012	Laila Hassam-Malani	Current position: Neurosurgery resident, University of NM
2012	Walter Jermakowski	Current position: Neurosurgery resident, University of Miami
2013 – 2015	Travis Ladner	Current position: Neurosurgery resident, Mt. Sinai
2013 – 2016	Arash Nayeri	Current position: Internal Medicine resident, UCLA
2014 – 2016	Gabrielle White-Dzuro	Current position: Anesthesia resident, MGH
2014 – 2016	Mark Prablek	Current position: Neurosurgery resident, Baylor University
2015 – 2017	Justiss Kallos	Current position: Neurosurgery resident, UPMC
2015 – 2020	Andrew Hale	Current position: MSTP student, Vanderbilt
2016 – 2019	Whitney Muhlestein	Current position: Neurosurgery resident, University of Michigan
2018 – present	Meredith Monsour	Current Position: Medical student, Vanderbilt
2021 – present	Alex Ortiz	Current Position: Medical student, Vanderbilt

**Career Mentorship (in addition to above)**Individual Advisees

2013	Katie Kudyba (medical student)
2013	Harish Krishnamoorthi (medical student)
2013	Sina Omran (medical student)
2013	Ilyas Eli (medical student)
2013	Elliott Min (medical student)
2013	Magarya Waitara (medical student)
2013	Tunde Babatunde (medical student)
2013	Kelly Gassie (medical student)
2013	Ato Wallace (medical student)
2014	Gakwaya Habiyaremye (medical student)
2014	George Yang (medical student)
2014	Ken Maynard (Preliminary surgery resident)
2014	Hannah Huth (undergraduate)
2014	Abraham Alvarado (medical student)
2014	Ritwik Bhatia (medical student)
2014	Diana Douleh (medical student)
2014	Kevin Kumar (medical student)
2015	Gabby DeCarlo (medical student)
2015	Stephen Mendenhall (medical student)
2015	Aaron Yengo-Kahn (medical student)
2015	Adipong Brickshawana (medical student)
2015	Timmy Ariyo (medical student)
2015	Clint Morgan (medical student)
2016	Sumeeth Jonathan (medical student)
2016	Pratik Talati (medical student)
2016	Jaims Lim (medical student)
2016	Dagoberto Esteban (medical student)
2017	Jonathan Dallas (medical student)
2017	Mohamed Khattab (Radiation Oncology resident)
2017	Amy McManus (Preliminary surgery resident)
2017	Cam Bermudez (MSTP student)
2018	Ni Mummareddy (medical student)
2018	David Cameron Liles (medical student)
2018	Deke Blum (medical student)
2018	Andrew Legaretta (medical student)
2018	Steven Monk (medical student)
2019	Bavly Farhoud (medical student)
2019	Jonathan Dallas (medical student)
2019	Daniel Wolfson (medical student)
2020	Sumeeth Jonathan (MSTP student)
2020	Natalie Hibshman (medical student)
2020	Andrew Hale (MSTP student)
2020	Katherine Kelly (medical student)
2020	Matthew Lan (medical student)
2020	Pious Patel (medical student)

2020	Sanjana Salawi (medical student)
2020	Jeremy Guinn (medical student)
2020	Tanya Singh (Preliminary surgery resident)
2020	Inam Kahn (Preliminary surgery resident)
2020	Randy Ahluwalia (medical student)
2020	Neha Siddiqui (medical student)
2021	Palvasha Deme (medical student)
2021	Sophie Halper (premedical student)

#### Organizational Mentorship

2013	GAINS Mentor (Girls Advancing in STEM Community)
2013 – present	Women in Surgery interest group, Vanderbilt School of Medicine
2013 – present	Faculty adviser for Neurosurgery Interest Group <i>AANS medical student chapter as of 2016</i>
2015 – present	Mentor, Winterim Program, Harpeth Hall School

### **RESEARCH ACTIVITIES**

#### **Active Research Studies**

2013-present	IRB#030372	Molecular neurosurgical tissue bank
2013-present	IRB#110839	Assessment of treatment outcomes for acoustic neuroma patients
2013-present	IRB#030917	Genetic epidemiology of adult brain tumors
2014-present	IRB#010520	Multimodal registration of the brain's cortical surface
2014-present	IRB#131870	Targeting metabolic and receptor signaling networks in human glioblastoma
2017-present	IRB#171829	Perspectives on neurological surgery residencies
2019-present	IRB#190317	Retrospective and prospective validation of machine learning models for neurosurgical outcomes
2019-present	IRB#190779	Red blood cell distribution width in Glioblastoma
2019-present	IRB#190781	Neurosurgical resident attrition: a survey to understand motivations and outcomes
2019-present	IRB#191181	Impact of corticosteroid exposure on survival in Glioblastoma patients
2019-present	IRB#191788	Decision-making and unconscious bias in residency application review
2019-present	IRB#192437	Predicting neurosurgery operating room time and scheduling efficiency
2019-present	IRB#191357	CSF biomarkers in patients with confirmed or suspected malignancy
2019-present	IRB#191516	International tuberculoma sellae meningioma study
2019-present	IRB#191788	Decision-making and unconscious bias in residency application reviewing
2020-present	IRB#200670	Neurosurgery in COVID-19 Era
2020-present	IRB#200684	Medical students interested in Neurosurgery during COVID-19
2020-present	IRB#201210	Predicting outcome following decompression for degenerative cervical myelopathy

#### **Research Support**

VR8170	Chambless (PI)	\$2,000	2013
VICTR (Vanderbilt Institute for Clinical and Translational Research)			
<i>Predictive Ability of Karnofsky Performance Scale in Glioblastoma Survival</i>			
Role: PI			



VR17625	Chambless (PI)	\$2,000	2015
VICTR			
<i>Differentiating Meningioma Grade by Imaging Features on MRI</i>			
Role: PI			
5RO1NS049251	Miga (PI)	\$3,466,573	08/2015-07/2020
NIH/NINDS			
<i>Multimodal Registration of the Brain's Cortical Surface</i>			
Role: Co-investigator (10% effort)			
VR19224	Chambless (PI)	\$2,438	2016
<i>Improving Patient Follow-up Post-Meningioma Resection</i>			
Role: PI			
Ann Faulkenberry Memorial Award	Ihrrie/Irish (PIs)	\$70,000	2017-2018
Southeastern Brain Tumor Foundation			
<i>Dissecting the Contribution of the Niche and Immune Cells to Patient Outcomes Using Single Cell Protein Measurements</i>			
Role: Co-investigator			
VR54147	Chambless (PI)	\$5,000	2019
<i>Red Blood Cell Distribution Width in Glioblastoma</i>			
Role: PI			

## PUBLICATIONS AND PRESENTATIONS

### Peer Reviewed Publications:

1. **Chambless LB**, Angel FB, Xia F, Abel T, Weaver KD. Delayed cerebral radionecrosis following Treatment for a plasmacytoma of the skull. *Surgical Neurology International* 2010;1:65.
2. **Chambless LB**, Thompson RC. Low grade glioma – current concepts and controversies. *Neurosurgery Quarterly* 2010;20(3):173-179.
3. Highfield HN, **Chambless LB**, Carson R, Coffin C, Pearson MM, Abel T. Resolution of quadriplegia after resection of an immature intramedullary teratoma in an infant. *Journal of Neurosurgery, Pediatrics* 2010;6(6):586-91.
4. Forbes JA **Chambless LB**, Wushensky CA, Smith JG, Lebow RL, Alvarez J, Pearson MM. T2 signal intensity of cerebellar neoplasms in pediatric patients can be used to guide preoperative staging of the neuraxis. *Journal of Neurosurgery, Pediatrics* 2011;7(2):165-74.
5. Forbes JA, Wilkerson JC, **Chambless LB**, Russell PT, Weaver, KD, Allen S, Utz A. Safety and cost-effectiveness of early discharge following microscopic transsphenoidal resection of pituitary lesions. *Surgical Neurology International* 2011;2:66.
6. Stevenson CB, **Chambless LB**, Rini DA, Thompson RC. Bilateral infraoptic A1 arteries in association with a craniopharyngioma: case illustration and review of the literature. *Surgical Neurology International* 2011;2:89.
7. Xu H, Asman AJ, Singh E, **Chambless L**, Thompson RC, Landmann BA. Collaborative Labeling of Malignant Glioma. *International Symposium on Biomedical Imaging* 2012:1148-51.
8. **Chambless LB**, Forbes JA, Mawn L, Thompson RC. Porous polyethylene implant Reconstruction of the orbit after resection of spheno-orbital meningiomas: A novel technique. *Journal of Cranio-Maxillo-Facial Surgery* 2012; 40(1):e28-32.

9. **Chambless LB**, Parker SL, Hassam-Malani L, McGirt MJ, Thompson RC. Type 2 diabetes mellitus and obesity are independent risk factors for poor outcome in high-grade glioma. *Journal of Neuro-Oncology* 2012; 106(2):383-9.
10. Xu Z, Asman AJ, Singh E, **Chambless LB**, Thompson RC, Landman B. Segmentation of malignant gliomas through remote collaboration and statistical fusion. *Medical Physics* 2012;39(10):5981-9.
11. Singh E, Asman AJ, Xu Z, **Chambless L**, Thompson R, Landman BA. Collaborative labeling of malignant glioma with WebMILL: A first look. *Proceedings – Society of Photo-Optical Instrumentation Engineers* 2012; 5:8318.
12. Asman AJ, **Chambless LB**, Thompson RC, Landman B. Out-of-atlas Likelihood estimation using multi-atlas segmentation. *Medical Physics* 2013;40(4):043702.
13. Chaichana KL, Pendleton C, **Chambless LB**, Camara-Quintana J, Nathan J, Hassam-Malani L, Li G, Harsh GR, Thompson RC, Lim M, Quinones-Hinojosa A. Multi-institutional validation of a pre-operative scoring system which predicts survival for patients with glioblastoma. *Journal of Clinical Neuroscience* 2013;20(10):1422-6.
14. **Chambless LB** and Teo C. Innovations in the surgical treatment of gliomas. *Innovative Neurosurgery* 2013;1(3-4):137-43.
15. Kumar A, Miga M, Pfeiffer T, **Chambless L**, Thompson R, Dawant B. Automatic tracking of intraoperative brain surface displacements in brain tumor surgery. *IEEE Engineering in Biomedical Science Society* 2014:1509-12.
16. Zuckerman SL, Burks S, Morgan C, Forbes JA, **Chambless LB**, Solomon GS, Sills AK. Functional and structural traumatic brain injury in equestrian sports: a review of the literature. *World Neurosurgery* 2014;S1878-8750(14)1401-6.
17. Kumar AN, Miga MI, Pfeiffer TS, **Chambless LB**, Thompson RC, Dawant BM. Persistent and automatic intraoperative 3D digitization of surfaces under dynamic magnifications of an operating microscope. *Medical Image Analysis* 2015;19(1)30-45.
18. **Chambless LB**, Kistka HM, Parker SL, Hassam-Malani L, McGirt MJ, Thompson RC. The relative value of postoperative versus preoperative Karnofsky Performance Scale scores as a predictor of survival after surgical resection of a glioblastoma multiforme. *Journal of Neurooncology* 2015;121(2)359-64.
19. Sweeney AD, Carlson ML, Haynes DS, Thompson RC, **Chambless LB**, Wana GB, Rivas A. A novel method for autograft placement during tegmen repair: the suture “pull-through” technique. *The Laryngoscope* 2015;125(2)323-5.
20. Mobley BC, Kumar M, Sanger WG, Nelson M, Nickols HH, **Chambless LB**, Mokden M. Papillary tumor of the pineal region with synchronous suprasellar focus and novel cytogenetic features. *Human Pathology*, 2015; 46(8)1232-6.
21. Hunter JB, Sweeney AD, Carlson ML, Wana GB, Rivas A, Weaver KD, **Chambless LB**, Thompson RC, Haynes DS, Bennett ML. Prevention of Postoperative Cerebrospinal Fluid Leaks After Translabyrinthine Tumor Resection with Resorbable Mesh Cranioplasty. *Otology and Neurotology* 2015;36(9)1537-42.
22. Kistka HM, Kasl RA, Nayeri A, Utz AL, Weaver KD, **Chambless LB**. Imaging of resected non-functional pituitary adenomas: the cost of surveillance. *Journal of Neurological Surgery Part B: Skull Base*, 2015;76(5)344-50.
23. Buck JR, McKinley ET, Fu A, Abel TW, Thompson RC, **Chambless L**, Watchmaker J, Harty JP, Cooper M, Manning HC. Preclinical TSPO Ligand PET to Visualize human Glioma Xenotransplants: A Preliminary Study. *PLOS One*, 2015;10(10).
24. Kasl RA, Kistka HM, Turner J, Devin J, **Chambless LB**. Pituitary apoplexy after intravitreal injection of vascular endothelial growth factor inhibitor: a novel complication. *Journal of Neurological Surgery Reports* 2015;76(2):e205-10.
25. Kistka HM, Nayeri A, Wang L, Dow J, Chandrasekhar R, **Chambless LB**. Publication misrepresentation among neurosurgery applicants: an increasing problem. *Journal of Neurosurgery* 2016;124(1):193-8.
26. Nayeri A, Douleh DG, Brinson PR, Weaver KD, Thompson RC, **Chambless LB**. Early postoperative emergency department presentation predicts poor long-term outcome in patients surgically treated for meningioma. *Journal of Clinical Neuroscience*, 2016;25:79-83.
27. Zuckerman SL, Mistry A, Hanif R, Mocco J, McGirt MJ, Wellons J, Sills Ak, Neimat JS, **Chambless LB**, Thompson RC. Neurosurgery elective for preclinical medical students: early exposure and changing attitudes. *World Neurosurgery*, 2016;86:120-6.
28. Thompson EM, Hielscher T, Bouffet E, Remke M, Luu B, Gururangan S, McLendon RE, Bigner DD, Lipp ES, Perreault S, Cho YJ, Grant G, Kim SK, Lee JY, Rao AA, Giannini C, Li KK, Ng HK, Yao Y, Kumabe T,

Chambless, Lola B

7/30/2021

- Tominaga T, Grajkowska WA, Perek-Polnik M, Low DC, Seow WT, Chang KT, Mora J, Pollack IF, Hamilton RL, Leary S, Moore AS, Ingram WJ, Hallahan AR, Jouvet A, Fèvre-Montange M, Vasiljevic A, Faure-Contier C, Shofuda T, Kagawa N, Hashimoto N, Jabado N, Weil G, Gayden T, Wataya T, Shalaby T, Grotzer M, Zitterbart K, Sterba J, Kren L, Hortobágyi T, Klekner A, László B, Póczy T, Hauser P, Schüller U, Jung S, Jang WY, French PJ, Kros JM, van Veelen ML, Massimi L, Leonard JR, Rubin JB, Vibhakkar R, **Chambless LB**, Cooper MK, Thompson RC, Faria CC, Carvalho A, Nunes S, Pimentel J, Fan X, Muraszko KM, López-Aguilar E, Lyden D, Garzia L, Shih DJ, Kijima N, Schneider C, Adamski J, Northcott PA, Kool M, Jones DT, Chan JA, Nikolic A, Garre L, Van Meir EG, Osuka S, Olson JJ, Jahangiri A, Castro BA, Gupta N, Weiss WA, Moxon-Emre I, Mabbott DJ, Lassaletta A, Hawkins CE, Tabori U, Drake J, Kulkarni A, Dirks P, Rutka JT, Korshunov A, Pfister SM, Packer RJ, Ramaswamy V, Taylor MD. Prognostic value of medulloblastoma extent of resection after accounting for molecular subgroup: a retrospective integrated clinical and molecular analysis. *Lancet Oncology* 2016;17(4):484-95.
29. Nayeri A, Brinson P, Weaver K, Thompson R, **Chambless L**. Factors associated with low socioeconomic status predict poor postoperative follow-up after meningioma resection. *Journal of Neurological Surgery Part B: Skull Base*, 2016;77(3):226-30.
  30. Nayeri A, Prablek MA, Brinson PR, Weaver KD, Thompson RC, **Chambless B**. Short-term postoperative surveillance imaging may be unnecessary in elderly patients with resected WHO grade I meningiomas. *Journal of Clinical Neuroscience* 2016;26:101-4.
  31. Hover LD, Owens P, Munden A, **Chambless LB**, Hong CC, Hopkins C, Oses HL, Abel TW. Bone morphogenic protein signaling promotes tumorigenesis in a murine model of high grade glioma. *Neurooncology* 2016;18(7):928-38.
  32. White-Dzuro GA, Maynard K, Zuckerman SL, Weaver KD, Russell PT, Clavenna MJ, **Chambless LB**. Risk of post-operative pneumocephalus in patients with obstructive sleep apnea undergoing transsphenoidal surgery. *Journal of Clinical Neuroscience*, 2016;29:25-8.
  33. Kasl RA, Brinson PR, **Chambless LB**. Socioeconomic status does not affect prognosis in patients with glioblastoma multiforme. *Surgical Neurology International*, 2016;7(Suppl11):S282-90.
  34. Ramaswamy V, Hielscher T, Mack SC, Lassaletta A, Lin T, Pajtl K, Jones DTW, Luu B, Cavalli FMG, Aldape K, Remke M, Mynarek M, Rutkowski S, Gururangan S, McLendon RE, Lipp ES, Dunham C, Hukin J, Eisenstat D, Fulton D, van Landeghem FKH, Santi M, van Veelen MLC, van Meir EG, Osuka S, Fan X, Tirapelli DPC, Oba-Shinjo SM, Marie SKN, Carlotti CG, Lee JY, Nageswara Rao AA, Faria CC, Nunes S, Mora J, Hamilton RL, Hauser P, Jabado N, Petrecca K, Jung S, Massimi L, Zollo M, Laszlo B, Klekner A, Hortobágyi T, Leary S, Ermoian RP, Olson JM, Leonard JR, Gardner C, Grajkowska WA, **Chambless LB**, Cain J, Eberhart CG, Ahsan S, Massimino M, Packer RJ, Emery L, Yong WH, Soto H, Liau LM, Everson R, Grossback A, Shalaby T, Grotzer M, Karajannis MA, Wheeler H, von Hoff K, Alonso MM, Schuller U, Zitterbart K, Sterba J, Chan JA, Guzman M, Elbabaa SK, Colman H, Dhall G, Fisher PG, Fouladi M, Gajjar A, Goldman S, Hwang E, Kool M, Ladha H, Lieberman F, Metellus P, Mikkelsen T, Omuro AM, Pollack IF, Prados M, Robins HI, Soffietti R, Wu J, Hawkins CE, Rutka JT, Tabori U, Bartels U, Bouffet E, Pfister SM, Merchant T, Gilvert MR, Armstrong TS, Korshunov A, Ellison DW, Taylor MD. Therapeutic impact of cytoreductive surgery and irradiation of posterior fossa ependymoma in the molecular era. *Journal of Clinical Oncology*, 2016;34(21):2468-77.
  35. White-Dzuro GA, Entezami P, Wana G, Russell P, **Chambless LB**. Single operation to repair multifocal CSF fistulae following a gun shot wound to the head: A case report. *Journal of Neurological Surgery Reports*, 2016;77(2):89-93.
  36. Dewan M, White-Dzuro GA, Brinson PR, Thompson RC, **Chambless LB**. Perioperative seizure in patients with glioma is associated with longer hospitalization, higher readmission, and decreased overall survival. *Journal of Neurosurgery*, 2016;125(4):1033-41.
  37. Nayeri A, Chotai S, Prablek MA, Brinson PR, Douleh DG, Weaver KD, Thompson RC, **Chambless LB**. Type 2 diabetes is an independent negative prognostic factor in patients undergoing surgical resection of a WHO Grade I meningioma. *Clinical Neurology and Neurosurgery* 2016;149:6-10.
  38. Mistry A, Hale A, **Chambless LB**, Weaver KD, Thompson RC, Ihrle R. Influence of glioblastoma contact with the lateral ventricle on survival: a meta-analysis. *Journal of Neuro-Oncology*, 2017;131(1):125-33.
  39. Leelatian N, Doxie D, Greenplate A, Mobley B, Lehman J, Sinnave J, Kauffmann R, Werkhaven J, Mistry A, Weaver K, Thompson R, Massion P, Hooks M, Kelly M, **Chambless LB**, Ihrle R, Irish J. Single cell analysis of human tissues and solid tumors with mass cytometry. *Cytometry: Part B – Clinical Cytometry*, 2017;92(1):68-78.

40. O'Connell BP, Hunter JB, Sweeney AD, Thompson RC, **Chambless LB**, Wanna GB, Rivas A. Outcomes of the suture "pull-through" technique for repair of lateral skull base CSF fistula and encephaloceles. *Otology and Neurotology*, 2017;38(3):416-22.
41. Cleary RK, Meshman J, Dewan MC, Du L, Cmelak AJ, Guozhen L, Morales-Paliza M, Weaver KD, Thompson RC, **Chambless LB**, Attia A. Postoperative fractionated stereotactic radiosurgery to the tumor bed for surgically treated brain metastases. *Cureus*, 2017;9(5):e1279.
42. Mistry AM, Dewan MC, White-Dzuro GA, Brinson PR, Weaver KD, Thompson RC, Ihrie RA, **Chambless LB**. Decreased survival in glioblastomas is specific to contact with the ventricular-subventricular zone, not subgranular zone or corpus callosum. *Journal of Neurooncology*, 2017;131(1):125-133.
43. Vijayan R, Thompson RC, **Chambless LB**, Morone P, He L, Clements L, Griesenauer R, Kang H, Miga M. Android application for determining surgical variables in brain tumor resection procedures. *Journal of Medical Imaging*, 2017;4(1):015003.
44. Breazzano MP, Lewis JS, **Chambless LB**, Rohde SL, Sobel RK. Remote orbital recurrence of olfactory neuroblastoma. *Orbit*, 2017;36(4):247-250.
45. Dewan MC, White-Dzuro GA, Brinson PR, Zuckerman SL, Morone PJ, Thompson RC, Wellons JC, **Chambless LB**. The influence of perioperative seizure prophylaxis on seizure rate and hospital quality metrics following glioma resection. *Neurosurgery*, 2017;80(4):563-570.
46. Cavalli FMG, Remke M, Rampasek L, Peacock J, Shih DJH, Luu B, Garzia L, Torchia J, Nor C, Morrissy AS, Agnihotri S, Thompson YY, Kuzan-Fischer CM, Farooq H, Isaev K, Daniels C, Cho BK, Kim SK, Wang KC, Lee JY, Grajkowska WA, Perek-Polnik M, Vasiljevic A, Faure-Contier C, Jouvet A, Giannini C, Nageswara Rao AA, Li KKW, Ng HK, Eberhart CG, Pollack IF, Hamilton RL, Gillespie GY, Olson JM, Leary S, Weiss WA, Lach B, **Chambless LB**, Thompson RC, Cooper MK, Vibhakar R, Hauser P, van Veelen MC, Kros JM, French PJ, Ra YS, Kumabe T, López-Aguilar E, Zitterbart K, Sterba J, Finocchiaro G, Massimino M, Van Meir EG, Osuka S, Shofuda T, Klekner A, Zollo M, Leonard JR, Rubin JB, Jabado N, Albrecht S, Mora J, Van Meter TE, Jung S, Moore AS, Hallahan AR, Chan JA, Tirapelli DPC, Carlotti CG, Fouladi M, Pimentel J, Faria CC, Saad AG, Massimi L, Liao LM, Wheeler H, Nakamura H, Elbabaa SK, Perezpeña-Diazconti M, Chico Ponce de León F, Robinson S, Zapotocky M, Lassaletta A, Huang A, Hawkins CE, Tabori U, Bouffet E, Bartels U, Dirks PB, Rutka JT, Bader GD, Reimand J, Goldenberg A, Ramaswamy V, Taylor MD. Intertumoral heterogeneity within medulloblastoma subgroups. *Cancer Cell*, 2017;31(6):737-754.
47. Muhlestein WE, Akagi DS, Chotai S, **Chambless LB**. The impact of race on discharge disposition and length of hospitalization following craniotomy for brain tumor. *World Neurosurgery*, 2017;104:24-38.
48. Rana N, Pendyala P, Cleary RK, Luo G, Zhao Z, **Chambless LB**, Cmelak AJ, Attia A, Stavvas MJ. Long-term outcomes after salvage stereotactic radiosurgery (SRS) following in-field failure of initial SRS for brain metastases. *Frontiers in Oncology*, 2017;7:279.
49. Muhlestein WE, Akagi DS, Chotai S, **Chambless LB**. The impact of presurgical comorbidities on discharge disposition and length of hospitalization following craniotomy for brain tumor. *Surgical Neurology International*, 2017;8:220.
50. Muhlestein WE, Akagi DS, Kallos JA, Morone PJ, Weaver KD, Thompson RC, **Chambless LB**. Using a guided machine learning ensemble model to predict discharge disposition following meningioma resection. *Journal of Neurological Surgery Part B*, 2017;79(2):123-130.
51. Douleh DG, Morone PJ, Mobley B, Fusco MR, **Chambless LB**. Angioplasty is an effective treatment for vasospasm following pituitary apoplexy and tumor resection. *Cureus*, 2018;10(1):e2117.
52. Hunter JB, O'Connell BP, Carlson ML, **Chambless LC**, Yawn RJ, Wang RY, Mistry AM, Thompson RC, Weaver KD, Wanna G. Tumor progression following petroclival meningioma subtotal resection: volumetric study. *Operative Neurosurgery*, 2018;14(3):215-223.
53. Hale AT, Wang L, Strother MK, **Chambless LB**. Differentiating meningioma grade by imaging features on magnetic resonance imaging. *Journal of Clinical Neuroscience*, 2018;48:71-75.
54. Patel PN, Stafford AM, Patrinely JR, Smith DK, Turner JH, Russell PT, Weaver KD, **Chambless LB**, Chandra RK. Risk factors for intraoperative and postoperative cerebrospinal fluid leaks in endoscopic transphenoidal sellar surgery. *Otolaryngology Head and Neck Surgery*, 2018. 158(5):952-960.
55. Hale A, Stonko DP, Wang L, Strother MK, **Chambless LB**. Machine-learning analyses can differentiate meningioma grade by features on magnetic resonance imaging. *Neurosurgical Focus*, 2018. 45(5):E4.
56. Cavalli FMG, Hübner JM, Sharma T, Luu B, Sill M, Zapotocky M, Mack SC, Witt H, Lin T, Shih DJH, Ho B, Santi M, Emery L, Hukin J, Dunham C, McLendon RE, Lipp ES, Gururangan S, Grossbach A, French P, Kros

- JM, van Veelen MC, Rao AAN, Giannini C, Leary S, Jung S, Faria CC, Mora J, Schüller U, Alonso MM, Chan JA, Klekner A, **Chambless LB**, Hwang EI, Massimino M, Eberhart CG, Karajannis MA, Lu B, Liao LM, Zollo M, Ferrucci V, Carlotti C, Tirapelli DPC, Tabori U, Bouffet E, Ryzhova M, Ellison DW, Merchant TE, Gilbert MR, Armstrong TS, Korshunov A, Pfister SM, Taylor MD, Aldape K, Pajtler KW, Kool M, Ramaswamy V. Heterogeneity within the PF-EPN-B ependymoma subgroup. *Acta Neuropathology*, 2018;136(2):227-237.
57. Mistry AM, Kelly PD, Thompson RC, **Chambless LB**. Cancer dissemination, hydrocephalus, and survival after cerebral ventricular entry during high-grade glioma surgery: A meta-analysis. *Neurosurgery*, 2018. 79(2):123-130.
  58. Hale A, Stonko DP, Wang L, Strother MK, Chambless, LB. Machine-learning analyses can differentiate meningioma grade by features on magnetic resonance imaging. *Neurosurgical Focus*, 2018. 45(5):E4.
  59. Muhlestein WE, Akagi DS, McManus AR, **Chambless LB**. Machine learning ensemble models predict total charges and drivers of cost for transphenoidal surgery for pituitary tumor. *Journal of Neurological Surgery*, 2018;131(2):507-516.
  60. Agarwal N, White M, Panullo SC, **Chambless LB**. Analysis of national trends in neurosurgical resident attrition. *Journal of Neurological Surgery*, 2018. Epub ahead of print.
  61. Fenlon JB, Khattab MH, Ferguson DC, Luo G, Keedy VL, **Chambless LB**, Kirshner AN. Linear accelerator based stereotactic radiosurgery for cranial, intraparenchymal metastasis of a malignant peripheral nerve sheath tumor: case report and review of the literature. *World Neurosurgery*, 2019;123:123-127.
  62. Muhlestein WE, Akagi DS, Davies JD, **Chambless LB**. Predicting inpatient length of stay after brain tumor surgery: Developing machine learning ensembles to improve predictive performance. *Neurosurgery*, 2019. Sep 1;85(3):384-393.
  63. Yang X, Narasimhan S, Luo M, Thompson RC, **Chambless LB**, Morone PJ, He L, Dawant BM, Miga MI. Development and evaluation of a “trackerless” surgical planning and guidance system based on 3D slicer. *J Med Imaging*, 2019. Jul;6(3):035002.
  64. Fenlon JB, Khattab MH, Ferguson DC, Luo G, Keedy VL, **Chambless LB**, Kirschner AN. Linear accelerator-based stereotactic radiosurgery for cranial intraparenchymal metastasis of a malignant peripheral nerve sheath tumor: case report and review of the literature. *World Neurosurgery*, 2019;123:123-127.
  65. Khattab M, Sherry, A, Whitaker R, Wharton DM, Weaver KD, **Chambless LB**, Cmelak A, Attia A. A retrospective cohort study of longitudinal audiologic assessment in single and fractionated stereotactic radiosurgery for vestibular schwannoma. *Neurosurgery*, 2019;85(6):e1078-1083.
  66. Dallas J, Mummareddy N, Yengo-Kahn AM, Dambrino RJ 4th, Lopez AM, **Chambless LB**, Berkman R, Chitale RV, Bonfield CM, Offodile RS, Durham S, Wellons JC 3rd, Thompson RC, Zuckerman SL. Neurosurgery elective for preclinical medical students with and without a home neurosurgery program. *World Neurosurgery*, 2019;131:e201-210.
  67. Mistry AM, Kelly PD, Gallant JN, Mummareddy N, Mobley BC, Thompson RC, **Chambless LB**. Comparative analysis of subventricular zone glioblastoma contact and ventricular entry during resection in predicting dissemination, hydrocephalus, and survival. *Neurosurgery*, 2019;85(5):e924-932.
  68. Khattab M, Sherry A, Xu MC, Kelly PD, Luo G, Utz A, Anderson JL, **Chambless LB**, Cmelak AJ, Attia A. Outcomes of stereotactic radiosurgery and hypofractionated stereotactic radiotherapy for refractory Cushing's Disease. *Pituitary*, 2019;22(6):607-613.
  69. Suzuki H, Kumar SA, Shuai S, Diaz-Navarro A, Gutierrez-Fernandez A, De Antonellis P, Cavalli FMG, Juraschka K, Farooq H, Shibahara I, Vladiou MC, Zhang J, Abeyesundara N, Przelicki D, Skowron P, Gauer N, Luu B, Daniels C, Wu X, Forget A, Momin A, Wang J, Dong W, Kim SK, Grajkowska WA, Jouvet A, Fèvre-Montange M, Garrè ML, Nageswara Rao AA, Giannini C, Kros JM, French PJ, Jabado N, Ng HK, Poon WS, Eberhart CG, Pollack IF, Olson JM, Weiss WA, Kumabe T, López-Aguilar E, Lach B, Massimino M, Van Meir EG, Rubin JB, Vibhakkar R, **Chambless LB**, Kijima N, Klekner A, Bognár L, Chan JA, Faria CC, Ragoussis J, Pfister SM, Goldenberg A, Wechsler-Reya RJ, Bailey SD, Garzia L, Morrissy AS, Marra MA, Huang X,

- Malkin D, Ayrault O, Ramaswamy V, Puente XS, Calarco JA, Stein L, Taylor MD. Recurrent noncoding U1 snRNA mutations drive cryptic splicing in SHH medulloblastoma. *Nature*, 2019;574(7780):707-711.
70. Bydon M, Schirmer CM, Oermann E, Kitagawa R, Pouratian N, Davies J, Sharan A, **Chambless LB**. Big Data defined: a practical review for neurosurgeons. *World Neurosurgery*, 2020;133:e842-849.
  71. Kelly PD, Fernando SJ, Malenke JA, Chandra R, Turner JH, **Chambless LB**. The effect of timing of surgery in pituitary apoplexy on continuously-valued visual acuity. *Journal of Neurological Surgery Part B*, 2020: DOI: 10.1055/s-0040-1701217
  72. Sherry A, Khattab M, Totten DJ, Wharton DM, Luo G, Manzoor N, Rivas A, **Chambless LB**, Davis TL, Attia A, Cmelak A. Current volumetric models overestimate vestibular schwannoma size following functional stereotactic radiosurgery. *Otology and Neurotology*, 2020;41(2):e262-267.
  73. Khattab MH, Sherry AD, Kim E, Anderson J, Luo G, Yu H, Englot DJ, **Chambless LB**, Cmelak AJ, Attia A. Body mass index and response to stereotactic radiosurgery in the treatment of refractory trigeminal neuralgia: A retrospective cohort study. *Journal of Radiosurgery and SBRT*, 2020;6(4):253-261.
  74. Sherry AD, Bingham B, Kim E, Monsour M, Luo G, Attia A, **Chambless LB**, Cmelak AJ. Secondary malignancy following stereotactic radiosurgery for benign neurologic disease: A cohort study and review of the literature. *Journal of Radiosurgery and SBRT*, 2020;6(4):287-294.
  75. Khattab MH, Newman NB, Wharton DM, Sherry AD, Luo G, Manzoor NF, Rivas A, Davis LT, **Chambless LB**, Attia A, Cmelak AJ. Longitudinal radiographic outcomes of vestibular schwannoma in single and fractionated stereotactic radiosurgery: A retrospective cohort study. *Journal of Neurological Surgery Part B, Skull Base*. 2020;81(3):308-316.
  76. Leelatian N, Sinnaeve J, Mistry AM, Barone SM, Brockman AA, Diggins KE, Greenplate AR, Weaver KD, Thompson RC, **Chambless LB**, Mobley BC, Ihrie RA, Irish JM. Unsupervised machine learning reveals risk stratifying glioblastoma tumor cells. *Elife*, 2020 23;9:e56879.
  77. Zuckerman SL, Limoges N, Yengo-Kahn AM, Graffeo CS, **Chambless LB**, Chitale R, Mocco J, Durham S. The neurosurgery resident interview: assessing applicant perspectives on question content, utility, and stress. *Journal of Neurosurgery*, 2020 Jul 17:1-9.
  78. Nobre L, Zapotocky M, Khan S, Fukuoka K, Fonseca A, McKeown T, Sumerauer D, Vicha A, Grajkowska WA, Trubicka J, Li KKW, Ng HK, Massimi L, Lee JY, Kim SK, Zelcer S, Vasiljevic A, Faure-Contier C, Hauser P, Lach B, van Veelen-Vincent ML, French PJ, Van Meir EG, Weiss WA, Gupta N, Pollack IF, Hamilton RL, Nageswara Rao AA, Giannini C, Rubin JB, Moore AS, **Chambless LB**, Vibhakkar R, Ra YS, Massimino M, McLendon RE, Wheeler H, Zollo M, Ferruci V, Kumabe T, Faria CC, Sterba J, Jung S, López-Aguilar E, Mora J, Carlotti CG, Olson JM, Leary S, Cain J, Krskova L, Zamecnik J, Hawkins CE, Tabori U, Huang A, Bartels U, Northcott PA, Taylor MD, Yip S, Hansford JR, Bouffet E, Ramaswamy V. Pattern of relapse and treatment response in WNT-activated medulloblastoma. *Cell Reports Medicine*, 2020. Jun 23;1(3):100038.
  79. Monsour MA, Kelly PD, **Chambless LB**. Antiepileptic drugs in the management of cerebral metastases. *Neurosurgery Clinics of N America*, 2020. Oct;31(4):589-601.
  80. Lazaro T, Srinivasan VM, Rahman M, Asthagiri A, Barkhoudarian G, **Chambless LB**, Kan P, Rao G, Nahed BV, Patel AJ. Virtual education during the COVID-19 pandemic. *Neurosurgical Focus*, 2020. Dec;49(6):E17.
  81. Mummareddy N, Salwi SR, Kumar NG, Zhao Z, Ye F, Le CH, Mobley BC, Thompson RC, **Chambless LB**, Mistry AM. Prognostic relevance of CSF and peri-tumoral edema volumes in glioblastoma. *Journal of Clinical Neuroscience*, 2021. Feb;84:1-7.
  82. Muhlestein WE, Monsour MA, Friedman GN, Zinzuwadia A, Zachariah MA, Coumans JV, Carter BS, **Chambless LB**. Predicting discharge disposition following meningioma resection using a multi-institutional natural language processing model. *Neurosurgery*, 2021. Epub ahead of print.

83. Limoges N, Zuckerman SL, **Chambless LB**, Benzil DL, Cruz A, Borden JH, Durham, S. Neurosurgery resident interviews: The prevalence and impact of inappropriate and potentially illegal questions. *Neurosurgery*, 2021. Epub ahead of print.

#### Chapters in Books:

Kistka HK, Ladner T, and **Chambless LB**. Minimally invasive surgery for glioma. Gliomas: Classification, Symptoms, Treatment and Prognosis. Ed. David Adamson, MD for NOVA Publishers, NY. 2014.

**Chambless, LB**. The right stuff: what program directors look for in neurosurgery applicants. Surviving Neurosurgery. Ed. Nitin Agarwal for Springer Publishers, Switzerland. 2021.

#### Editorials, Letters, Commentaries:

1. Thompson RC and **Blackwell LY**. True incidence of vestibular schwannoma? *Neurosurgery* 2010; 7(5):1335-1340.
2. Cheng JC, **Chambless LB**, McGirt MJ. Are we doing too much spinal surgery instead of non-surgical care? *AANS Neurosurgeon* 2011.
3. **Chambless LB**. Traumatic brain injuries in polo players. *Polo Players Edition*, July 2011.
4. **Chambless LB** and Kistka HK. Response to editorial: Publication misrepresentation among neurosurgery applicants - an increasing problem. *Journal of Neurosurgery* 2016;124(1):193-8.
5. Kelly PD, Zuckerman SL, **Chambless LB**, Schoettle T, Thompson RC. Commentary: Neurological Surgery at Vanderbilt University: 1873 to present. *Neurosurgery*, 2018. 83(1):E26-E38.
6. Shakir HJ, Shakir MA, Sharan AD, **Chambless LB**, Langer DJ, Davies JM, Levy EI. The future currency of neurosurgery is data. *Neurosurgery*, 2018;1;83(3):E125-127.
7. **Chambless, LB**. The neurosurgical pregnancy: tips for the surgeon and her team. *AANS Neurosurgeon*, 2018.
8. **Chambless, LB**. You asked, we answered: Practical courses offer more subspecialty content. *CNS Quarterly*, Summer 2018.
9. Mummareddy N, Zuckerman S, Cavallo C, Rao G, **Chambless LB**. Scheduling neurosurgery residency interviews: avenues for improvement. *World Neurosurgery*, 2019;130:589-592.
10. **Chambless, LB**. 2019 Dinner seminars: Novel topics in a favorite format. *CNS Quarterly*, Summer 2019.
11. Garcia RM, Reynolds RA, Weiss HK, **Chambless LB**, Lam S, Dahdaleh NS, Rosseau G. Letter: Preliminary national survey results evaluating the impact of COVID-19 pandemic on medical students pursuing careers in neurosurgery. *Neurosurgery*, 2020;1;87(2):E258-E259.
12. Lu VM, **Chambless LB**. International medical graduates applying to neurosurgical residency in the United States through the lenses of an applicant versus a program director. *World Neurosurgery*, 2020. Jul 16;142:299-300.
13. **Chambless, LB**. Innovation in CNS Education: CNS data scholar program. *CNS Quarterly*, Spring 2020.
14. Asthagiri AR, Rahman M, **Chambless LB**, Barkhoudarian G, Patel AJ, Hilliard J. The CNS response to COVID19: adapting education to the needs of the learner. *CNS Quarterly*, Fall 2020.
15. Nahed BV, **Chambless LB**, Rahman M, Air EL. The CNS leadership institute: empowering neurosurgical leaders to influence change. *CNS Quarterly*, Fall 2020.
16. **Chambless, LB**. This crisis is an opportunity. *AANS Neurosurgeon*, 2020.

#### Peer-Reviewed Presentations at Scientific Meetings:

1. Minimally Invasive Resection of Intradural Spinal Neoplasms: A Case Series- Lebow RL, **Blackwell LY**, Eichholz KM. Poster, Congress of Neurosurgery Annual Meeting, New Orleans LA, October 2009.

2. The Role of Preoperative Embolization for Vertebral Metastases: an Evidence-Based Review - **Blackwell LY**, Reddy P, Lebow RL, Eichholz KM. Poster, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando FL, February 2010.
3. The Role of Combination Surgery and Radiotherapy in Ambulatory Patients with Metastatic Spinal Cord Compression: an Evidence-Based Review - **Blackwell LY**, Lebow RL, Reddy P, Eichholz KM. Poster, AANS/CNS Section on Disorders of the Spine and Peripheral Nerves, Orlando FL, February 2010.
4. Spheno-orbital Meningioma: A Multi-disciplinary Approach – Mawn L, **Blackwell LY**, Thompson RC. Poster, North American Neuro-Ophthalmology Society Annual Meeting, Tucson AZ, March 2010.
5. Resolution of Quadraplegia After Resection of an Immature Intramedullary Teratoma in an Infant – **Blackwell LY**, Highfield HN, Tomycz L, Abel T, Pearson MM. Poster, American Association of Neurological Surgeons Annual Meeting, Philadelphia PA, May 2010.
6. Comparison of Fiducial Placement for Image Guided Orbital Surgery – Mawn LA, **Blackwell LY**, Thompson RC, Galloway RL. Poster, Association for Research in Vision and Ophthalmology Annual Meeting, Fort Lauderdale FL, May 2010.
7. Reconstruction of the Lateral Orbital Wall after Resection of Spheno-Orbital Meningiomas: A Novel Approach – **Blackwell LY**, Mawn LA, Thompson RC. Poster, Congress of Neurosurgery Annual Meeting, San Francisco CA, October 2010.
8. Reconstruction of the Orbit after Resection of Spheno-Orbital Meningiomas: A Novel Technique – **Chambless LB**, Mawn LA, Thompson RC. Oral presentation, North American Skull Base Society Annual Meeting, Scottsdale AZ, February 2011.
9. Transparency in Health Care Costs – Cheng JS, **Chambless LB**, McGirt MJ, Wilson J. Oral presentation, Council of State Neurosurgical Societies Bi-annual Meeting, Denver CO, April 2011.
10. Type 2 Diabetes and Obesity are Risk Factors for Early Progression and Death in High-Grade Glioma – **Chambless LB**. Oral presentation, Tennessee Neurosurgical Society Annual Meeting, Pigeon Forge TN, August 2011. (*Top Resident Presentation award*)
11. Hemorrhagic Cerebello-pontine Angle Meningioma: A Case Report – O’lynnger TM, **Chambless LB**, Sills AK. Oral presentation, International Neuro-Oncology Update, Nashville TN, September 2011.
12. Greater Extent of Resection is Associated with Prolonged Survival in Patients with Glioblastoma Multiforme– **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Poster, Congress of Neurological Surgery Annual Meeting, Washington DC, October 2011.
13. Karnofsky Performance Status is a More Reliable Indicator of Prognosis in Patients with High-Grade Glioma When Assessed Postoperatively– **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Poster, Congress of Neurological Surgery Annual Meeting, Washington DC, October 2011.
14. Diabetes Mellitus and Elevated Body Mass Index are Independent Risk Factors in Patients with High-Grade Glioma – **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Poster, Congress of Neurological Surgery Annual Meeting, Washington DC, October 2011.
15. Diabetes Mellitus and Obesity are Independent Risk Factors for Poor Outcome in Patients with High-Grade Glioma – **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Oral presentation, American College of Surgeons Annual Meeting, San Francisco CA, October 2011. (*Finalist for Association of Women Surgeons resident research award*)
16. Karnofsky Performance Status is a More Reliable Indicator of Prognosis in Patients with High-Grade Glioma When Assessed Postoperatively– **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Poster, Society for Neuro-Oncology Annual Meeting, Orange County, CA, November 2011.
17. Diabetes Mellitus and Obesity are Independent Risk Factors for Poor Outcome in Patients with High-Grade Glioma – **Chambless LB**, Parker SL, Hassam-Malani L, McGirt, MJ, Thompson RC. Poster, Society for Neuro-Oncology Annual Meeting, Orange County, CA, November 2011.



18. Collaborative Labeling of Malignant Glioma with WebMILL: A First Look – Singh E, Asman AJ, Xu Z, **Chambless LB**, Thompson RC, Landmann BA. Poster, SPIE Medical Imaging Annual Conference, San Diego, CA, February 2012.
19. Trends in Steroid Dosing at Initial Presentation in Patients with High-Grade Glioma – He L, **Chambless LB**, Jermakowicz WJ, Thompson RC. Poster, American Association of Neurological Surgeons Annual Meeting, Miami, FL, April 2012.
20. Multi-Institutional Validation of a Pre-operative Scoring System which Predicts Survival for Patients with Glioblastoma – Chaichana K, **Chambless LB**, Li G, Harsh GR, Thompson RC, Lim M, Quinones-Hinojosa A. Poster, Congress of Neurosurgery Annual Meeting, Chicago IL, October 2012.
21. Imaging and Clinical Factors Predictive of Atypical Meningiomas – He L, Vemireddy R, Strother MK, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Sarasota FL, February 2013.
22. Impact of Anti-Depressant Therapy on Overall Survival in High-Grade Glioma – Kitska H, Min E, Kasl R, Yang SR, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Sarasota FL, February 2013.
23. Imaging and Clinical Factors Predictive of Atypical Meningiomas – He L, Vemireddy R, Strother MK, **Chambless LB**. Oral presentation, American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 2013.
24. Impact of Anti-Depressant Therapy on Overall Survival in High-Grade Glioma – Kitska H, Min E, Kasl R, Yang SR, **Chambless LB**. Poster, American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 2013.
25. Increasing Rate of Publication Misrepresentation Among Neurosurgery Residency Applicants – Kistka HK, Nayeri A, Dow J, **Chambless LB**. Oral presentation, American Association of Neurological Surgeons Annual Meeting, San Francisco CA, April 2014.
26. Post-Operative Infection in Vestibular Schwannoma Surgery – O’lynnnger TM, Godil SS, Brinson PR, Chauhan M, Weaver KD, Thompson RC, **Chambless LB**. Poster, Congress of Neurosurgery Annual Meeting, Boston MA, October 2014.
27. Obesity and Cerebrospinal Fluid Leak in Vestibular Schwannoma Surgery – Kistka HM, Kumar KK, Brinson PR, Mistry AM, Godil SS, Chauhan M, Weaver KD, Thompson RC, **Chambless LB**. Poster, Congress of Neurosurgery Annual Meeting, Boston MA, October 2014.
28. Time to Radiation Therapy in Glioblastoma Multiforme: Is Sooner Better? – Kistka HM, Min ET, **Chambless LB**. Poster, Society for Neuro-Oncology Annual Meeting, Miami FL, November 2014.
29. Transphenoidal Pituitary Surgery, Sleep Apnea, and Pneumocephalus: Is There a Link? – Zuckerman S, Maynard K, White-Dzuru G, Clavenna M, Russell P, **Chambless LB**. Oral presentation, North American Skull Base Society Annual Meeting, Tampa FL, February 2015.
30. Postoperative Fractionated Stereotactic Radiosurgery for Surgically Resected Brain Metastases is a Safe and Effective Alternative to WBRT – Meshman J, Cleary RK, Dewan MC, Cmelak A, Luo G, Morales-Paliza M, Weaver KD, Attia A, **Chambless LB**. Poster, Congress of Neurological Surgeons Annual Meeting, New Orleans LA, September 2015.
31. Performance Status Changes Following Meningioma Resection are Strongly Correlated with Age – Nayeri A, **Chambless LB**. Poster, Congress of Neurological Surgeons Annual Meeting, New Orleans LA, September 2015.
32. Clarifying the Need for Surveillance Imaging in Elderly Patients with Resected WHO Grade 1 Meningiomas: Less is More - Nayeri A, **Chambless LB**. Poster, Congress of Neurological Surgeons Annual Meeting, New Orleans LA, September 2015.
33. Perioperative Seizure in Patients with Glioma is Associated with Increased Hospital Length of Stay, Readmission, and Overall Healthcare Burden - Dewan MC, White-Dzuro GA, Brinson P, Thompson RC,

- Chambless LB.** Poster, Congress of Neurological Surgeons Annual Meeting, New Orleans LA, September 2015.
34. The Influence of Perioperative Seizure Prophylaxis on Seizure Rate and Hospital Quality Metrics After Glioma Surgery – Dewan MC, White-Dzuro GA, Brinson P, Thompson RC, **Chambless LB.** Poster, Society for Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  35. Type 2 Diabetes Mellitus is an Independent Risk Factor for Perioperative Complications in Patients Surgically Treated for Meningioma. Nayeri A, Brinson P, Prablek M, Douleh D, **Chambless L.** Poster, Society for Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  36. Increased Perioperative Morbidity and Poor Surgical Outcomes in Patients with Asymptomatic Meningiomas. Nayeri A, Prablek M, Brinson P, **Chambless L.** Poster, Society for Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  37. Increased Risk of Permanent Neurologic Deficits Following Meningioma Resection in the Elderly. Nayeri A, Brinson P, Prablek M, **Chambless L.** Poster, Society of Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  38. Prognostic Value of Early Postoperative Emergency Department Presentation after Meningioma Resection. Nayeri A, Douleh D, Brinson P, **Chambless L.** Poster, Society for Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  39. Postoperative Follow-up after Meningioma Resection and Risk of Appointment Non-attendance. Nayeri A, Brinson P, Prablek M, **Chambless L.** Poster, Society for Neuro-Oncology Annual Meeting, San Antonio TX, November 2015.
  40. Increased Long-term Mortality in Type 2 Diabetics undergoing Surgical Resection of a WHO Grade 1 Meningioma – Nayeri A, Chotai S, Brinson P, Prablek M, **Chambless LB.** Oral presentation, North American Skull Base Society Annual Meeting, Scottsdale AZ, February 2016.
  41. Increased Perioperative Risk and Complications in Type 2 Diabetics Undergoing Surgical Treatment for Meningioma. Nayeri A, Brinson P, Chotai S, Douleh D, **Chambless LB.** Poster, American Association of Neurological Surgeons Annual Meeting, Chicago IL, April 2016.
  42. Patient Age Does Not Affect Rates of Perioperative Morbidity in Patients with Completely Resected Skull-Based Meningiomas - Kallos JA, Nayeri A, Brinson PR, **Chambless LB.** Oral presentation, European Skull Base Society Annual Meeting, Berlin Germany, May 2016.
  43. Optimal Postoperative Surveillance Imaging in Completely Resected WHO Grade 1 Meningiomas: Less is More – Kallos JA, Nayeri A, Brinson PR, **Chambless LB.** Oral presentation, European Skull Base Society Annual Meeting, Berlin Germany, May 2016.
  44. Subventricular Zone Contact Predicts Survival in Surgically Treated Glioblastomas – Mistry A, Thompson RC, Ihrle R, **Chambless LB.** Oral presentation, Congress of Neurological Surgeons Annual Meeting, San Diego Ca, September 2016.
  45. Dissecting the Multicellular Ecosystem of Human Glioblastoma Tumors Using Single Cell Mass Cytometry – Leelatian N, Sinnaeve J, Mobley B, Weaver K, Thompson, R, **Chambless LB,** Ihrle R, Irish J. Oral presentation, Society of Neuro-Oncology Annual Meeting Education Day, Scottsdale AZ, November 2016.
  46. Impact of Presurgical Comorbidities on Discharge Disposition and Length of Hospitalization Following Brain Tumor Surgery - Muhlestein WE, Chotai S, **Chambless LB.** Oral presentation, Southern Neurosurgical Society Annual Meeting, Orlando FL, February 2017.
  47. Using Logistic Regression and a Novel Machine Learning Technique to Predict Discharge Status after Craniotomy for Meningioma - Muhlestein WE, **Chambless LB.** Oral presentation, North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.
  48. Differentiating Meningioma Grade by Imaging Features on MRI – Hale AT, Wang L, Strother MK, **Chambless LB.** Oral presentation, North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.

49. Cerebral Venous Sinus Thrombosis is an Independent Predictor of Cerebrospinal Fluid Leak after Craniotomy for Acoustic Neuroma. Morone P, O'Connell B, Wana G, **Chambless LB**. Poster, American Association of Neurological Surgeons Annual Meeting, Los Angeles CA, April 2017
50. Mass Cytometry of Human Glioblastoma Characterizes More Than 99% of Cells and Reveals Intratumoral Cell Subsets Defined by Contrasting Signal Network Profiles. Leelatian N, Sinnaeve J, Mobley BC, Mistry AM, Liu D, Weaver KD, Thompson RC, **Chambless LB**, Ihrle RA, Irish JM. Poster, American Association for Cancer Research, Washington DC, April 2017. *Winner of ABTA Scholar-in-training award.*
51. Using a Novel Machine Learning Technique to Predict Brain Metastasis Velocity Following Stereotactic Radiosurgery for Brain Metastases. Muhlestein W, Farris M, McTyre E, Pajewski NM, Attia A, **Chambless LB**, Braunstein SE, Hepel JT, Chung C, Contessa JN, Chao ST, Fiveash JB, Chan MD, Ayala-Peacock DN. Poster, American Society for Radiation Oncology Annual Meeting, San Diego CA, September 2017.
52. Using a Novel Machine Learning Technique to Predict Radiation Oncology Outcomes. Muhlestein W, **Chambless LB**, Pajewski NM, Braunstein SE, Hepel JT, Chung C, Contessa JN, Chao ST, Fiveash JB, Attia A, Chan MD, Ayala-Peacock DN. Poster, American Society for Radiation Oncology Annual Meeting, San Diego CA, September 2017.
53. An Externally Validated Machine Learning Ensemble Model Accurately Predicts Important Neurosurgical Outcomes. Muhlestein WE, **Chambless LB**. Oral presentation, Congress of Neurological Surgeons Annual Meeting, Boston MA, October 2017.
54. Using Machine Learning to Predict Total Charges and Drivers of Cost Following Transphenoidal Surgery for Pituitary Tumor. Muhlestein WE, **Chambless LB**. Oral presentation, North American Skull Base Society Annual Meeting, San Diego CA, February 2018.
55. Cancer Dissemination, Hydrocephalus, and Survival after Cerebral Ventricular Entry During High-Grade Glioma Surgery: A Meta-Analysis. Mistry AM, Kelly PD, Thompson RC, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Marco Island FL, March 2018.
56. Preoperative Albumin Level Predicts Length of Stay after Craniotomy for Brain Tumor. Muhlestein WE, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Marco Island FL, March 2018.
57. Toward Minimizing Costs and Adverse Outcomes for Patients Undergoing Craniotomy for Brain Tumor: Identifying Patients at High Risk for Postoperative UTI. Muhlestein WE, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Marco Island FL, March 2018.
58. Introduction of a Standardized, Multidisciplinary Perioperative Protocol after Endoscopic Trans-Sphenoidal Pituitary Surgery Can Lead to Reduction in Length of Hospital Stay: A Safety Analysis. Weaver S, Godil SS, Weaver KD, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Marco Island FL, March 2018.
59. Cost Savings Associated with the Introduction of a Standardized Perioperative Protocol for Endoscopic Trans-Sphenoidal Pituitary Surgery: A Cost-Benefit Analysis. Weaver S, Godil SS, Weaver KD, **Chambless LB**. Oral presentation, American Association of Neurological Surgeons Annual Meeting, New Orleans LA, April 2018.
60. Identifying Important Neurosurgical Residency Program Characteristics in a Nationwide Survey of Neurosurgical Residents. Magarik JA, Mummareddy N, Liles DC, Chitale RV, Wellons JC, **Chambless LB**. Poster, Congress of Neurological Surgeons Annual Meeting, Houston TX, October 2018.
61. Neurosurgical Resident Attrition. Agarwal N, White MD, Pannullo SC, **Chambless LB**. Oral presentation, Congress of Neurological Surgeons Annual Meeting, Houston TX, October 2018.
62. Detection of IDH1 R132H via Flow Cytometry in Intraoperative and Archival Glioma Specimens. Sinnaeve J, Simmons A, Weaver KD, Thompson RC, **Chambless LB**, Lau K, Mobley B, Ihrle R. Poster, Society for NeuroOncology Annual Meeting, New Orleans LA, November 2018.

63. The Predictive Power of the Physician Narrative: Comparing the Abilities of a Free Text-Based Model and a Variable-Based Model to Predict Patient Outcomes. Muhlestein WE, Monsour MA, **Chambless LB**. Oral presentation, North American Skull Base Society Annual Meeting, Orlando FL, February 2019.
64. Timing of Surgery in Pituitary Apoplexy. Kelly PD, Fernando S, Malenke J, Chandra R, Turner J, **Chambless LB**. Poster, American Association of Neurological Surgeons Annual Meeting, San Diego CA, April 2019.
65. Neurosurgery Interviews: The Impact of Inappropriate and Discriminatory Questions. Limoges N, Zuckerman S, Borden J, **Chambless LB**, Benzil D, Durham S. Oral presentation, New England Neurosurgery Society Annual Meeting, Brewster MA, June 2019.
66. High Risk Glioblastoma Cells Revealed by Machine Learning and Single Cell Signaling Profiles. Irish JM, Leelatian N, Sinnaeve J, Mistry AM, Barone AM, Brockman AA, Diggins KE, Greenplate AR, Gandelman JS, Bartkowiak TJ, Liu D, Roe CE, Weaver KD, Thompson RC, **Chambless LB**, Mobley BC, Ihrle RA. Oral presentation, Congress of the International Society for Advancement of Cytology, Vancouver BC, June 2019.
67. Radiation Induced Malignancy Following Stereotactic Radiosurgery for Benign Intracranial Pathology. Sherry A, Bingham B, Kim E, Luo G, **Chambless LB**, Cmelak AJ. Poster presentation, American Society for Radiation Oncology Annual Meeting, Chicago IL, September 2019.
68. Predicting Discharge Disposition Following Meningioma Resection Using A Multi-Institutional Natural Language Processing Model. Muhlestein W, Monsour MA, **Chambless LB**. Oral presentation, North American Skull Base Society Annual Meeting, San Antonio TX, February 2020.
69. Experience matters: natural language processing reveals that as a surgeon practices longer his notes become increasingly predictive of outcome after meningioma resection. Muhlestein WE, Monsour MA, Akaji DA, Thompson RC, **Chambless LB**. Oral presentation, Southern Neurosurgical Society Annual Meeting, Scottsdale AZ, February 2020.

#### Visiting Professorships:

1. Innovation in Neurosurgical Residency Education. Visiting Professor, University of California, San Diego Dept of Neurological Surgery, San Diego CA, May 2018.
2. Man Vs. Machine? Balancing Data with the Art of Medicine. Visiting Professor, Mount Sinai Digital Neuro Symposium, New York NY, December 2018.
3. From Bench to OR: How Understanding Glioma Biology Can Improve Surgical Strategies. Visiting Professor, Brazilian Neurosurgical Society (SBN) – CNS – Moroccan Society of Neurosurgery (SMNC) Joint International Neurosurgery Symposium, July 2020.
4. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Beth Israel Deaconess Medical Center/Harvard Department of Neurosurgery, Boston MA, January 2021.
5. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, University of West Virginia Department of Neurological Surgery, Morgantown WV, February 2021.
6. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Stanford University Department of Neurosurgery, Stanford CA, March 2021.
7. The Disruptive Force of Big Data in Neurosurgery. Visiting Professor, Duke University Department of Neurosurgery, Durham NC, April 2021.

#### Invited Lectures and Panels:

1. Current Management of Glioblastoma Multiforme. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2007.
2. The Epidemiology of Glioma. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2008.

3. Nerve Sheath Tumors: Pathophysiology and Molecular Characterization. Tennessee Neurosurgical Annual Meeting, Nashville TN, August 2009.
4. Outcomes-based Decision Making in the Management of Brain Tumors. Nashville Surgical Society, Nashville TN, January 11 2011.
5. Premorbid Metabolic Conditions and Prognosis in High-Grade Glioma. International Neuro-Oncology Update, Nashville TN, September 2011.
6. Minimally Invasive Surgery for Brain Tumors: A Holistic Paradigm. Tennessee Neurosurgical Society Annual Meeting, Nashville TN, August 2013.
7. Making “Minimally Invasive” Maximally Successful. Tennessee Neurosurgical Society Annual Meeting, Memphis TN, August 2014.
8. Risk Stratification in Postoperative Meningioma Patients. International Neuro-Oncology Update, Cortona Italy, July 2015.
9. Endoscopic Skull Base Repair and Management of CSF Complications. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, July 2015.
10. Pitfalls and Complications in Anterior Cranial Base Surgery Panel. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, July 2015.
11. Parental Leave in Neurosurgery Residency. Society of Neurological Surgeons Annual Meeting, Indianapolis IN, June 2016.
12. Approaches to the Sella: Medical Decision Making. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, August 2016.
13. Prevention and Management of CSF Leaks in Anterior Skull Base Surgery Panel. Advanced Antero-Lateral Skull Base Dissection Course, Nashville TN, August 2016.
14. Benign CNS Neoplasm Panel: Neurosurgical Perspective. American Society for Radiation Oncology Annual Meeting, Boston MA, September 2016.
15. Mock CNS Tumor Board Panel: Neurosurgical Perspective. Society of Neuro-Oncology Annual Meeting Education Day, Scottsdale AZ, November 2016.
16. Pregnancy, Parenthood and the Skull Base Surgeon. North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.
17. Eyebrow, Eyelid, and Pterional Approaches to Anterior Skull Base Meningiomas. North American Skull Base Society Annual Meeting, New Orleans LA, March 2017.
18. Informed Consent. Society of Neurological Surgeons Junior Resident Boot Camp, St. Louis MO, April 2017.
19. Concussion: Definition, Demographics, Signs and Symptoms. American Association of Neurological Surgeons Practical Clinics, Los Angeles CA, April 2017.
20. Controversies in the Treatment of Benign Skull Base Neoplasms Panel: Neurosurgical Perspective. American Society for Radiation Oncology Annual Meeting, San Diego CA, September 2017.
21. Big Data Symposium (organizer and moderator.) Congress of Neurological Surgeons Annual Meeting, Boston MA, October 2017.
22. Arterial Injuries During Skull Base Surgery: What to Expect When You are Called to the OR. AANS/CNS Joint Cerebrovascular Section Annual Meeting, Los Angeles CA, January 2018.
23. What Can MRI Tell Us About Meningiomas? North American Skull Base Society Meningioma Education Day, San Diego CA, February 2018.
24. Targeted Therapy for Craniopharyngiomas. North American Skull Base Society Annual Meeting, San Diego CA, March 2018.
25. Mentoring and Coaching in Leadership (organizer, moderator, speaker.) Congress of Neurological Surgeons Leadership in Healthcare Course, Chicago IL, May 2018.
26. Big Data: Core Principles of Data Science for Neurosurgeons. Practical course, Congress of Neurological Surgeons Annual Meeting, Houston TX, October 2018.

27. Bicoronal and Retrosigmoid Craniotomies. Stryker Skull Base Resident Course, Salt Lake City UT, January 2019.
28. Skull Base Primer Course (organizer and moderator.) North American Skull Base Society Annual Meeting, Orlando FL, February 2019.
29. Leadership in Healthcare (organizer, moderator, speaker.) Congress of Neurological Surgeons Leadership in Healthcare Course, Chicago IL, May 2019.
30. The CNS Journey in Leadership. Society of Neurological Surgeons Annual Meeting, Seattle WA, May 2019.
31. The Revolution of Data in Neurosurgery. Keynote lecture, NeuroSafe, Minneapolis MN, August 2019.
32. Acoustic Neuroma: Expert Panel. Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
33. CNS Mission in Data Science. Practical Course, Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
34. Training the Trainers: how does the CNS educate the next generation? Practical Course, Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
35. Complications in Skull Base Surgery: Expert Panel. Congress of Neurological Surgeons Annual Meeting, San Francisco CA, October 2019.
36. SRS for Chordoma. North American Skull Base Society Annual Meeting, San Antonio TX, February 2020.
37. CNS Town Hall Xperience (course director, moderator, speaker.) Weekly virtual town hall series on managing the COVID-19 crisis in neurosurgical practices, Congress of Neurological Surgeons, May – July 2020.
38. Natural Language Processing in Neurosurgery. Plenary speaker, Brigham and Women's Hospital/Harvard Department of Neurosurgery Computational Data Neuroscience Symposium, October 2020.
39. CNS/SNS 4-part Webinar series for medical students (course director, moderator, speaker.) Navigating the Neurosurgery Match in 2020, Congress of Neurological Surgeons and Society of Neurological Surgeons, July – November 2020.

**Outreach and Community Education:**

1. Head Injuries in Equestrian Athletes. United States Equestrian Federation Board Meeting, Lexington KY, January 2011.
2. From the Tack Room to the Operating Room – Leadership Lessons from the USPC. United States Pony Clubs annual meeting, Nashville TN, January 2011.
3. Traumatic Brain Injuries in Polo Players. United States Polo Association Annual Meeting, Wellington FL, April 2011.
4. Traumatic Brain Injuries in Equestrian Athletes. Given at the Riders for Helmets symposium, Lexington KY, July 2011.
5. Traumatic Brain Injury in Equestrian Sport. Webinar given for Riders For Helmets, June 2013.
6. Head Injury in Equestrian Sport. United States Equestrian Federation Board Meeting, Gladstone NJ, June 2016.
7. Traumatic Brain Injury in Equestrian Competition. United States Hunter and Jumper Association Annual Meeting, Palm Springs CA, December 2016.
8. Welcome to the Barn: Concussion Training with Dr. Lola Chambliss (podcast) December 2016.  
<https://tunein.com/radio/Welcome-to-the-Barn-p918656>
9. Concussions and Helmet Safety with Dr. Lola Chambliss (educational video) January 2017  
<https://www.usef.org/learning-center/videos/concussions-signs-symptoms-helmet-safety>
10. Concussion in Equestrian Sport: An Update. United States Equestrian Federation Annual Meeting, Lexington KY, January 2017.
11. Social Media and Residency Programs. Webinar for the Congress of Neurological Surgeons, November 2017.
12. Traumatic Brain Injury in Equestrian Sport. United States Hunter and Jumper Association Annual Meeting, San Antonio TX, December 2017.

13. Are You Current on Concussions? The Chronicle of the Horse, March 5, 2018.  
<http://read.uberflip.com/i/944304-february-26-march-5-2018/35>
14. Interview on Newsy's "The Why" January 23, 2018. <https://www.youtube.com/watch?v=XwSv1S7QB90>
15. TV Interview on Fox News National November 12, 2019 regarding President Carter and subdural hematomas
16. Interview for AP National featured in >200 news outlets with >10 million page views on subdural hematomas November 12, 2019 (example link)  
<https://www.seattletimes.com/nation-world/nation/former-president-jimmy-carter-enters-hospital-for-surgery-2/>
17. New England Journal of Medicine Resident 360: More than a passing interest: The USMLE goes binary. Expert discussant, March 2020.
18. New England Journal of Medicine Resident 360: Applying and interviewing for residency in a COVID-19 world. Expert discussant, July 2020.
19. Vanderbilt Health DNA Podcast. Being human: Neurosurgeons on the unknown. August 2020,  
<https://definingpersonalizedcare.vanderbilthealth.com/episode-4>
20. Neurosurgery Podcast: Spotcheck: early interview experiences. A conversation with Dr. Lola Chambliss, December 2020. <https://soundcloud.com/user-838542034/the-2020-match>