

OBJECTIVE

To have a comprehensive neurosurgical practice that treats a broad range of neurological diseases with particular interest in neuro-oncology, spinal degenerative disease, cranial/spinal trauma, functional/epilepsy, and education.

PROFESSIONAL

Board Certified Staff Neurosurgeon, *Texas Brain and Spine Institute*, Bryan/College Station, Texas

- Diplomate of The American Board of Neurological Surgery

Assistant Professor in the Department of Surgery, *Texas A&M Health Sciences Center School of Medicine*, Bryan/College Station, Texas

EDUCATION

B.S., *Tennessee State University*, Nashville, Tennessee

Major: Physical Therapy, Degree conferred May 1999

- *Summa Cum Laude* Graduate
- Treasurer of Senior Physical Therapy Class: 1998-1999

M.D., *Texas Tech University School of Medicine*, Lubbock, Texas

August 2002-May 2006

- Licensure: United States Medical Licensure Exam Step I Score-256 (99/100), Step II Clinical Knowledge Score-267 (99/100), Step II Clinical Skills-Pass, Step III-Pass
- Grade point average in medical school: 4.00/4.00 (95.26/100.00)
- Class ranking in medical school: 4/118
- Member of Student Hearing Committee: 2005
- Member of Orientation Committee: 2005
- Member of School of Medicine Ethics and Conduct Committee: 2004-2006
- Co-Chairman of Orientation Committee: 2003

RESIDENCY

Neurological Surgery, *Mayo Clinic*, Rochester, Minnesota

July 2006-June 2013

- Licensure: The American Board of Neurological Surgery Primary Written Exam Score-735 (99th percentile)

HONORS/AWARDS

Medical School

- Alpha Omega Alpha Medical Honor Society-Zeta of Texas Chapter, Texas Tech University School of Medicine, Junior Nomination: 2004-present
- The Chancellor's List: 2004-2006

Residency

- Resident Teacher Award: 2009-2010, 2011-2012, 2012-2013
- Clinical Research Award: 2012-2013
- Congress of Neurological Surgeons SANS Resident Challenge-Third Place: 2010
- Patient Care Excellence Award: 2009

BOOK CHAPTERS

1. "Cervical fracture and dislocation." *Neurosurgery: Tricks of the Trade-Spine and Peripheral Nerve*. Thieme. Hoover J, Pichelmann M, Clarke M, Krauss W, 2014.
2. "Behavioral and psychiatric disorders." *Anesthesia and Uncommon Diseases*. Fifth Edition. Edited by Lee Fleisher. Kaye A, Hoover J, Ertner R, Sutker P, 2005, pp. 469-492.
3. "Patients on herbal medications." *Anesthesia and Uncommon Diseases*. Fifth Edition. Edited by Lee Fleisher. Kaye A, Hoover J, 2005, pp. 493-504.

PEER REVIEWED PAPERS

1. "Asphyxia due to laryngeal spasm as a severe complication of awake deep brain stimulation for Parkinson's disease: a case report." von Eckardstein KL, Sixel-Döring F, Kazmaier S, Trenkwalder C, Hoover JM, Rohde V. *BMC Neurol*. 2016;8;16(1):216.
2. "Perioperative outcomes in intracranial pleomorphic xanthoastrocytoma." Gaba P, Puffer R, Hoover J, Wharen R, Parney I. *Neurosurgery*. 2016;12.
3. "Synovial cyst mimicking an intraspinal sacral mass." Hoover J, Pirris S. *Case reports in Neurological Medicine*. 2014;2014.
4. "Use of preoperative MRI to predict vestibular schwannoma intraoperative consistency and facial nerve outcome." Copeland W, Hoover J, Morris J, Driscoll C, Link M. *J Neurol Surg B Skull Base*. 2013;74(6):347-50.
5. "Outcomes in recurrent glioma surgery: clinical article." Hoover J, Nwojo M, Puffer R, Mandrekar J, Meyer F, Parney I. *J Neurosurg*. 2013;118(6):1224-31.
6. "Biopsy validation of ¹⁸F-DOPA PET and biodistribution in gliomas for neurosurgical planning and radiotherapy target delineation: results of a prospective pilot study." Pafundi D, Youland R, Parney I, Hoover J, et al, *Neurooncology*. 2013; accepted.

7. "Increased frameless stereotactic accuracy with high-field intra-operative MRI." Tanaka S, Puffer R, Goerss S, Haugen L, Hoover J, Parney I, *Neurosurgery*. 2012;71(2 Suppl Operative):321-7.
8. "Intradural spine metastases: a surgical series of 15 patients." Hoover J, Krauss W, Lanzino G, *Acta Neurochirurgica*. 2012;154(5):871-7.
9. "Intramedullary melanotic schwannoma: case report and review of the literature." Hoover J, Kumar R, Bledsoe J, Giannini C, Krauss W, *Rare Tumors*. 2012;4(1):7-10.
10. "Complications necessitating a return to the operating room following intradural spine surgery." Hoover J, Clarke M, Wetjen N, Mandrekar J, Puffer R, Krauss W, *World Neurosurgery*. 2012;78(3-4):344-7.
11. "Orthostatic hypotension following resection of a dorsal medullary hemangioblastoma." Hocker S, Hoover J, Puffer R, Meyer F, *Neurocrit Care*. 2012;16(2):306-10.
12. "Cervical pneumatocyst: case report and review of the literature." Hoover J, Wenger D, Eckel L, Krauss W, *J Neurosurg Spine*. 2011;15(3):332-335.
13. "Expanded endonasal endoscopic resection of anterior fossa meningiomas: report of 13 cases and meta-analysis of the literature." Van Gompel J, Frank G, Pasquini E, Zoli M, Hoover J, Lanzino G, *Neurosurg Focus*. 2011; 30(5):1-6.
14. "Use of preoperative MRI T1 and T2 sequences to determine intra-operative meningioma consistency." Hoover J, Morris J, Meyer F, *Surg Neurol Int*. 2011; 2:142.
15. "Clinical trials in brain tumor surgery." Hoover J, Chang S, Parney I, *Neuroimag Clin N Am*. 2010; 20(3):409-424.
16. "Morphine, opioids, and the feline pulmonary vascular bed." Kaye A, Hoover J, Kaye A, Ibrahim I, Fox C, Bajwa A, Anwar M, Fields A, Baluch A, Huffman S, Chilian W. *Acta Anaesthesiol Scand*. 2008; 52(7):931-937.
17. "The effects of meperidine in the pulmonary vascular bed of the cat." Kaye A, Hoover J, Baber S, Ibrahim I, Phelps J, Fields A, Baluch A, Huffman S, *Journal of Cardiothoracic and Vascular Anesthesia*. 2006; 20(5):691-695.
18. "Liposuction, contemporary issues for the anesthesiologist." Kucera I, Lambert T, Klein J, Watkins R, Hoover J, Kaye A, *Journal of Clinical Anesthesia*. 2006; 18(5):379-387.
19. "The effects of sufentanil in the feline pulmonary vascular bed." Kaye A, Phelps J, Baluch A, Ibrahim I, Hoover J, Baber S, Zhang C, Armstrong C, Huffman S, Fields A, *European Journal of Pharmacology*. 2006; 534(1-3):159-164.
20. "Influence of ephedrine and the role of alpha subtype adrenoceptors in the vascular bed of the cat lung." Kaye A, Hoover J, Baber S, Ibrahim I, *American Journal of Therapeutics*. 2006;13(1):12-17.
21. "An analysis of remifentanil in the pulmonary vascular bed of the cat." Kaye A, Baluch A, Phelps J, Baber S, Ibrahim I, Hoover J, Zhang C, Fields A, *Anesthesia and Analgesia*. 2006; 102(1):118-123.

22. "Effects of norepinephrine on alpha subtype receptors in the feline pulmonary vascular bed." Kaye A, Hoover J, Baber S, Ibrahim I, Fields A, *Critical Care Medicine*. 2004; 32(11):2300-2303.
23. "Analysis of GABA mediated responses in the pulmonary vascular bed of the cat." Kaye A, Hoover J, Baber S, Ibrahim I, Fields A, *Anesthesia and Analgesia*. 2004; 99(3):758-763.
24. "Bleeding risk in interventional pain practice: assessment, management, and review of the literature." Raj P, Shah R, Kaye A, Denaro S, Hoover J, *Pain Physician*. 2004; 7(1):3-51.

PROJECTS IN PREPARATION

1. "Outcomes in lumbar spondylolisthesis surgery in the elderly." Syznkarski D, Nauert R, Hoover J.
2. "Outcomes following chronic subdural hematoma surgery." Syznkarski D, Nauert R, Hoover J.
3. "Outcomes following surgery for brain metastasis with post-operative radiosurgery versus external beam radiotherapy." DeBacker D, Hoover J.

ABSTRACT AND TOPIC PRESENTATIONS

1. "Head trauma." The Texas Brain and Spine Institute Neuroscience Symposium, College Station, Texas, Hoover J, September 2016.
2. "Intraoperative ultrasound and isolated lumbar schwannomas." American College of Surgeons NSQIP Conference, Chicago, Illinois, Kee C, Nguyen B, Lamont D, Hoover J, July 2015.
3. "Intraoperative ultrasound and isolated lumbar schwannomas." American Association of Neurological Surgeons Annual Scientific Meeting, Washington DC, Kee C, Nguyen B, Lamont D, Hoover J, May 2015.
4. "The eyes have it: seizure or stroke?" Stroke Symposium at St. Joseph Hospital, Bryan, Texas, Hoover J, May 2014.
5. "Cerebrospinal fluid, wound, and hematoma-related complications in intradural spine surgery." Congress of Neurological Surgeons Annual Meeting-Poster Section, Washington DC, Hoover J, Clarke M, Wetjen N, Mandrekar J, Krauss W, October 2011.
6. "Wound complications in recurrent glioma surgery." Congress of Neurological Surgeons Annual Meeting-Poster Section, Washington DC, Hoover J, Mandrekar J, Meyer F, Parney I, October 2011.
7. "Cerebrospinal fluid, wound, and hematoma-related complications in intradural spine surgery." Neuroscience Staff Development at Mayo Clinic, Rochester, Minnesota, Hoover J, Clarke M, Wetjen N, Mandrekar J, Krauss W, October 2010.
8. "Wound complications in recurrent glioma surgery." Neuroscience Staff Development at Mayo Clinic, Rochester, Minnesota, Hoover J, Mandrekar J, Meyer F, Parney I, October 2010.

9. "High-field intra-operative MRI for brain tumors: first 50 patients at the Mayo Clinic." Neuroscience Staff Development at Mayo Clinic, Rochester, Minnesota, Hoover J, Meyer F, Parney I, October 2010.
10. "High-field intra-operative MRI for brain tumors: first 50 patients at the Mayo Clinic." Congress of Neurological Surgeons Annual Meeting-Poster Section, San Francisco, California, Hoover J, Meyer F, Parney I, October 2010.
11. "Electrophysiological mapping and tumor resection with high-field intra-operative MRI: a Mayo Clinic experience." Society of Neuro-Oncology Annual Meeting, New Orleans, Louisiana, Hoover J, Meyer F, Parney I, October 2009.
12. "Electrophysiological mapping and tumor resection with high-field intra-operative MRI: a Mayo Clinic experience." BrainLab Resident Research Forum, Munich, Germany, Hoover J, Meyer F, Parney I, March 2009.
13. "Norepinephrine and alpha-subtype receptors in the cat lung." International Anesthesia Research Society Congress, Honolulu, Hawaii, Hoover J, Ibrahim I, Baber S, Kaye A, March 2005.
14. "Ma huang and the alpha (1) subtype adrenoceptor in the feline pulmonary vascular bed." International Anesthesia Research Society Congress, Honolulu, Hawaii, Ibrahim I, Baber S, Hoover J, Kaye A, March 2005.
15. "The role of GABA receptors in the cat lung bed." International Anesthesia Research Society Congress, Honolulu, Hawaii, Hoover J, Ibrahim I, Baber S, Kaye A, March 2005.
16. "The role of ephedrine in the feline pulmonary vascular bed." International Anesthesia Research Society Congress, Honolulu, Hawaii, Hoover J, Ibrahim I, Baber S, Kaye A, March 2005.
17. "Analysis of feline pulmonary vascular responses to kava kava." National Student Research Forum, Galveston, Texas, Hoover J, Ibrahim I, Kaye A, March 2004.
18. "The effects of st. john's wort in the pulmonary vascular bed." International Anesthesia Research Society Congress, Tampa, Florida, Hoover J, Ibrahim I, Kaye A, March 2004.

ADDITIONAL SELECTED ABSTRACTS

1. "Complications and outcomes in recurrent glioma surgery." Hoover J, Nwojo M, Puffer R, Mandrekar J, Meyer F, Parney I. Society of Neuro-Oncology Annual Meeting, New Orleans, Louisiana, November 2012.
2. "Non-surgical complications and outcomes in recurrent glioma surgery." American Association of Neurological Surgeons Annual Scientific Meeting, Miami, Florida, Nwojo M, Hoover J, Mandrekar J, Meyer F, Parney I, April 2012.
3. "T1 and T2 intensity of macroadenomas on preoperative MRI and intraoperative consistency." American Association of Neurological Surgeons Annual Scientific Meeting, Miami, Florida, Hoover J, Copeland W, Morris J, Meyer F, April 2012.

4. "Use of preoperative MRI to predict vestibular schwannoma intraoperative consistency and facial nerve outcome." North American Skull Base Society Meeting-Oral Presentation, Las Vegas, Nevada, Copeland W, Hoover J, Driscoll C, Neff B, Morris J, Meyer F, Link M, February 2012.
5. "Tumor resection with high-field intra-operative MRI: a Mayo Clinic experience." Society of Neuro-Oncology Annual Meeting, Orange County, California, Hoover J, Goerss S, Kaufmann T, Meyer F, Parney I, November 2011.
6. "Wound complications in recurrent glioma surgery." Society of Neuro-Oncology Annual Meeting, Orange County, California, Hoover J, Mandrekar J, Meyer F, Parney I, November 2011.
7. "Effects of norepinephrine on alpha subtype receptors in the feline pulmonary vascular bed." America-Japan Anesthesia Congress, Honolulu, Hawaii, Hoover J, Ibrahim I, Baber S, Kaye A, March 2005.
8. "Analysis of GABA-mediated responses in the pulmonary vascular bed of the cat." Third Annual MSS Research Poster Session at I'04, Atlanta, Georgia, Hoover J, Baber S, Ibrahim I, Kaye A, December 2004.
9. "The role of cyclooxygenase in the feline pulmonary vascular bed." American Society of Critical Care Medicine Meeting, Las Vegas, Nevada, Hoover J, Ibrahim I, Baber S, Kaye A, October 2004.

PROFESSIONAL ORGANIZATIONS

- Baylor Scott and White Hospital Trauma Committee: 2015-present
- Saint Joseph Hospital Operating Room Subcommittee: 2014-present
- Saint Joseph Physician Associates Practice Leadership Committee: 2013-present
- Saint Joseph Hospital Infection Prevention Committee: 2013-present
- College Station Medical Center Trauma Committee: 2013-present
- Neurosurgery Inpatient Coverage Committee: 2011-2013
- American Association of Neurological Surgeons: 2011-present
- Congress of Neurological Surgeons: 2010-present
- Texas Tech University School of Medicine Surgery Club: 2002-2003