

CURRICULUM VITAE

Name: Allen Kent Sills, Jr., M.D., F.A.C.S.

Date of Birth: November 26, 1964

Place of Birth: Kosciusko, Mississippi

Business Address: Vanderbilt University Department of Neurological Surgery
2009 Mallory Lane, Suite 230
Franklin, TN 37067
Phone (615) 788-2268
Fax (615) 788-2266
E-mail: allen.sills@vanderbilt.edu

Current Faculty Appointment Professor, Department of Neurological Surgery Neurosurgical Oncology Program
Vanderbilt University Medical Center, October 1, 2009 - present

Current Academic Titles Director, Neurosurgery Community Practice

Consulting Team Neurosurgeon

- Mississippi State University athletic teams
- Memphis Grizzlies NBA basketball team

Citizenship: U.S.A.

Licensure: State of Tennessee, License #MD0000029608
State of Mississippi, License # 15697
State of Montana, License # 12004

Board Certification: American Board of Neurological Surgery
November, 2002
Fellow, American College of Surgeons
October, 2004

Education:

1979-82 Starkville High School
Starkville, Mississippi (Valedictorian)

1982-86 Mississippi State University
Mississippi State, Mississippi
Degree: Bachelor of Science in Engineering
Major: Biological Engineering
Summa Cum Laude

1986-90 The Johns Hopkins University School of Medicine
Baltimore, Maryland
Degree: Doctor of Medicine
Alpha Omega Alpha

Internship:

1990-91
The Johns Hopkins Hospital
Department of Surgery
Baltimore, Maryland

Residency:

July 1991 -
July 1993
Assistant Resident, Department of Neurosurgery
The Johns Hopkins Hospital
Baltimore, Maryland

August 1993 -
January 1994
Senior Resident, Pediatric Neurosurgery Service
Department of Neurosurgery, The Johns Hopkins Hospital
Baltimore, Maryland

February 1994 -
June 1994
Chief Resident, Department of Neurosurgery
The Johns Hopkins Bayview Medical Center
Baltimore, Maryland

Fellowship:

July 1994 -
June 1996
Neuro-Oncology Fellow
Funded by NIH Fellowship CA 09574-06
Hunterian Neurosurgical Laboratory
The Johns Hopkins University School of Medicine
Baltimore, Maryland

Previous Faculty Appointments:

July 1996 -
June 1997
Instructor, Department of Neurosurgery
The Johns Hopkins University School of Medicine
Baltimore, Maryland

August 1997 -
June 2001
Chief, Division of Neurosurgery
Veterans Administration Medical Center
Memphis, Tennessee

July 1997 -
September 2009
Associate Professor, Department of Neurosurgery, College of Medicine
University of Tennessee, Memphis and the Semmes-Murphey Clinic

Director, Methodist University Hospital Neuroscience Institute, Memphis,
Tennessee
Director of Neurosurgery Residency Training, Methodist University
Hospital
Founder and Executive Director, Memphis Regional Brain Tumor Center

Honors:

Youth of the Year, State of Mississippi, 1982
President's List Scholar, Mississippi State University,
1982-86

Most Outstanding Senior in the Engineering School,
Mississippi State University, 1986

President, Mississippi State University Student Body,
1985-86

Most Outstanding Student Leader, Mississippi State University, 1986
Most Outstanding Musician, Mississippi State University, 1983, 1984, 1985, 1986
Blue Key "Man of the Year", Mississippi State University, 1985
Mississippi State University Hall of Fame, 1986
Alpha Omega Alpha – Johns Hopkins, 1990
Hunterian Award for Contributions to Neurosurgical Science, 1996
Upjohn Award for Neurosurgical Research, 1996
Finalist, American Brain Tumor Association Research Excellence Award, 1996
Matthew Wood Faculty Teaching Award, University of Tennessee, 1998, 2005, 2009
Physician of the Year, Methodist University Hospital, 2004
America's Top Doctors in the Southeast
2006, 2007, 2008, 2009 (Castle Connolly Survey)
America's Top Doctors for Cancer
2006, 2007, 2009 (Castle Connolly Survey)
Selected – Top Doctors in Memphis, Memphis Magazine
2006, 2008, 2009
Neurosurgical Consultant for ABC News Medical Bureau
Selected - Top Neurosurgeons in Tennessee, Castle Connolly Survey
2007
Lance Armstrong Foundation Global Cancer Summit, Panelist
Dublin, Ireland, August 2009
Memphis Thunder Triathlon team "Most Inspirational Member"
2009

Scholarships:

C.B. Mitchell Pre-Medical Scholar, Mississippi State University, 1982-86
Rhodes Scholarship Finalist, 1985
Phi Kappa Phi National Fellowship for Graduate and Professional Study, 1986-87

Honorary Societies:

Phi Eta Sigma (Freshman Men's Scholastic)
Blue Key (Leadership Society)
Omicron Delta Kappa
Tau Beta Pi (Engineering Scholastic)
Phi Kappa Phi
Alpha Omega Alpha

Clinical Research:

"Open-label, multi-center, clinical trial of GLIADEL for patients with recurrent malignant glioma".
RPN #95-10-13-02 (co-investigator), Johns Hopkins

"Phase I, Open Label, Multi-center Dose Escalation Study of GLIADEL in patients with Recurrent Malignant Glioma". RPM pending (co-investigator), Johns Hopkins

“A Multi-center Double-Blind, Placebo-Controlled Study of the Safety and Efficacy of SB-238592-DB (Bradykinin Antagonist) in Patients with Severe Traumatic Brain Injury”. JCCI Protocol number RPN #96-03-11-01 (co-investigator), Johns Hopkins

“A Safety Study of Tirilazad Mesylate (6 and 10 mg/kg/day) in Male Patients with Subarachnoid Hemorrhage”. JCCI Protocol number RPN #95-06-02-07 (co-investigator), Johns Hopkins

“Safety and Efficacy of 15 mg/kg/day of Tirilazad Mesylate in North American Women with Subarachnoid Hemorrhage”. JCCI Protocol number RPN #96-03-13-02 (co-investigator), Johns Hopkins

“A Prospective Clinical Study of Autogenous Tricortical Corticocancellous Bone Graft for Anterior Cervical Interbody Fusion in Patients with Symptomatic Cervical Disk Disease”. (co-investigator), Sofamor Danek USA, The University of Tennessee, Memphis

“Dendrite Cell-Based Immunotherapy for Brain Tumors”. Cooperative trial with Comprehensive Cancer Center, University of North Carolina, Chapel Hill, Principal Investigator for the University of Tennessee, Memphis

“Chemotherapy Sensitivity of Explanted Human Brain Tumors”. Principal Investigator, The University of Tennessee, Memphis

“ImPACT© Athletic Concussion Assessment Program”. Principal site investigator, University of Memphis, Mississippi State University. Research protocol-Department of Neurosurgery, The University of Tennessee, Memphis

“A Phase II Study Utilizing the GliaSite RTS for the Treatment of a Resected Solitary Brain Metastasis”. Protocol #2001-01-METS. Principal Investigator, Memphis Regional Brain Tumor Center and Methodist Healthcare

“A Phase I Trial of Surgical Resection and Radiation Therapy Delivered via the GliaSite System Followed by Re-resection and Gliadel Wafer Placement Followed by Temozolomide as Initial Treatment for Supratentorial Malignant Glioma”, (Cooperative trial with the University of North Carolina, Chapel Hill) Protocol # LCCC 0115. Principal Investigator, Memphis Regional Brain Tumor Center and Methodist Healthcare

“A Phase 3 Randomized Open-Label Comparative Study of Standard Whole Brain Radiation Therapy With Supplemental Oxygen, With or Without RSR13, in Patients With Brain Metastases”. Protocol # RSR13 RT-009. Principal Investigator

“A Clinical Study to Evaluate the Safety and Performance of the GliaSite RTS, A Radiation Delivery System, in Patients with Malignant Brain Tumors Undergoing Surgical Resection”. Protocol # MAL-65-001. Principal Investigator, Memphis Regional Brain Tumor Center, Methodist Healthcare, and The University of Tennessee, Memphis

“PROLONG: A Prospective Look at Outcomes Nationally With Gliadel Wafers”. Protocol # PROLONG. Principal Investigator, Memphis Regional Brain Tumor Center

“Pilot Clinical Study Protocol for the Evaluation of the INVISx Cranial Fixation System for Cranial Skull Flap Fixation”. Protocol # 0201. Principal Investigator, Medtronic Neurosurgery, Memphis Regional Brain Tumor Center and Methodist Healthcare

“An Examination of the Potential Cerebral Protective Efficacy of Mild Intraoperative Hypothermia During Intracranial Aneurysm Surgery”. Protocol # NS 38554. Principal Investigator, Methodist Healthcare

“Cognitive Function After Aneurysm Surgery Trial”. Protocol # CFAAST. Principal Investigator, Methodist Healthcare.

Clinical research (cont)

“A Phase III Multicenter Study of Intratumoral/Interstitial Therapy with TransMID™ Compared to Best Standard of Care in Patients with Progressive and/or Recurrent, Non-Resectable Glioblastoma Multiforme”. Principal Investigator, Methodist Healthcare

“Genetic Epidemiology of Adult Onset Glioma”. Principal Investigator, Methodist Healthcare

“A Phase I/II Trial of Maximal Resection, Radiation Therapy Delivered Via the GliaSite® Delivery System with Concomitant Temozolomide, Followed by Adjuvant Temozolomide for the Treatment of Newly Diagnosed Glioblastoma Multiforme”. Principal Investigator, Methodist Healthcare

“A Phase III Randomized, Double-Blind, Dexamethasone-Sparing Study Comparing Human Corticotropin-Releasing Factor (nCRF) to Placebo for Control of Symptoms Associated with Peritumoral Brain Edema in Patients with Malignant Brain Tumor who Require Chronic Administration of High-Dose Dexamethasone”. Principal Investigator, Methodist Healthcare

“Normal Pressure Hydrocephalus (NPH) Registry”. MHIRB # 2005519 Principal Investigator, Methodist Hospital

“Phase II Study Utilizing Focal Radiation in Patients with 1-3 Brain Metastases”. Principal Investigator, National study at ten participating centers, trial author

“A Phase III Randomized Trial of the Role of Whole Brain Radiation Therapy in Addition to Radiosurgery in the Management of Patients with One to Three Cerebral Metastases”. Principal Investigator, Methodist Healthcare

“Phase V GliaSite Radiation Therapy System Registry Protocol for the Treatment of Resectable Malignant brain tumors”. GliaSite® Registry. Principal Investigator, Methodist Hospital

“Phase I/II of Maximal Resection, Local Radiation Boost with Concomitant Temozolomide, Followed by External Radiation Therapy with Concomitant Temozolomide for the Treatment of Newly Diagnosed Glioblastoma Multiforme”. Principal Investigator, Methodist Hospital

“Evaluation of Levetiracetam in Brain Tumor Patients with Seizures”. Principal Investigator, Methodist Hospital

“A Phase II Study of Gliadel, Concomitant Temozolomide and Radiation, Followed by Metronomic Therapy with Temozolomide for Newly Diagnosed Malignant High-Grade Glioma”. Protocol # MHIRB 2007-048. Principal Investigator, Methodist Hospital

“Treatment Satisfaction Survey for Brain Tumor Patients and their Caregivers”. Principal Investigator, Methodist Hospital

“Survey of Brain Tumor Patients about use of the Internet for Medical Information and Decision Making”. Principal Investigator, Methodist Hospital

Academic Committees:

The Johns Hopkins University Medical School Council, 1987-90
Johns Hopkins Hospital House Staff Council, 1991-94
Baptist Memorial Hospital Quality Improvement Committee
Memphis, Tennessee 1998-99
Baptist Memorial Hospital Stroke Task Force, Memphis, Tennessee
1998-2000
Physician Advisor, Neurosurgical Intensive Care Unit, Baptist Memorial
Hospital, Memphis, Tennessee 1998-2000
Institutional Review Board, Methodist Hospitals of Memphis
Memphis, Tennessee 2001-present
Senior Leadership Council, Methodist University Hospital
Memphis, Tennessee 2000-2006
Chairman, Neurosciences Strategic Planning Commission
Methodist Healthcare, Memphis, Tennessee 2003-present
Member, National Cooperative Cancer Network CNS Panel
2002-present
National Comprehensive Cancer Network
Subcommittee on Meningiomas, Subcommittee on Spinal
Tumors
Associate Chief of Staff, Methodist University Hospital, 2005-2006
Chairman, Neurosciences Institute Executive Committee, Methodist
University Hospital, 2005-present
Neurosciences Critical Care Unit Physician Director, Methodist
University Hospital, 2003-present
Annals of Surgical Oncology, Editorial Review Board, 2004-present
American Association of Neurological Surgeons Bulletin Editorial
Committee, 2007 – present
Medline, Expert Review of Anticancer Therapy, Peer Review
March 2007
Semmes-Murphey Neurologic & Spine Institute, Board of Governors,
2008, 2009
Consulting neurosurgeon, Bridger Orthopedic and Sports Medicine
Bozeman, Montana

Professional
Organizations:

American Association of Neurological Surgeons
Congress of Neurological Surgeons
Joint Section on Cerebrovascular Surgery, AANS and CNS
Joint Section on Tumors, AANS and CNS
American Stroke Council
Memphis and Shelby County Medical Society
Society of Neuro-Oncology
American College of Sports Medicine
Fellow American College of Surgeons
Southern Neurosurgical Society

Community
Organizations:

Hope Presbyterian Church (Elder, small group ministry, greeter,
intramural sports, choir, Sunday school teacher)
Memphis Diamondbacks Baseball – travel league youth team
(head coach)
Germantown Youth Athletic Association (baseball coach)
Mississippi State University College of Engineering Alumni
Advisory Council
Methodist Healthcare Foundation Board of Directors
Mississippi State University Development Foundation Board of Directors
Mississippi State University Bulldog Club
University of Memphis Tiger Club

Mid-South Regional Fly Fisherman
Ducks Unlimited
Compassion International (child sponsor)
"Head for A Cure" (5K race) Organizing Committee
Memphis Runners Track Club
Memphis Thunder Triathlon Club (executive committee)
Memphis Special Olympics volunteer
Greater Memphis Greenline Advisory Board, Shelby Farms Park Alliance
Committee Member

Hobbies: Triathlon
Trail running
Fly fishing
Hunting
Hiking
Mountain climbing

Articles and
Book Chapters:

1. Sills AK, Tamargo RJ, and Brem H: Reduction in peritumoral brain edema by an intracranial polymer implant. *Surgical Forum* 41: 516-518, 1990.
2. Tamargo RJ, Sills AK, Reinhard CS, et al: Interstitial delivery of dexamethasone in the brain or the reduction of peritumoral edema. *Journal of Neurosurgery* 74:956-961, 1991.
3. Sills AK: Lumbar stenosis with osteopenic compression fracture and neurogenic claudication. *Journal of Spinal Disorders* 6(3):269-270, 1993.
4. Sills AK, Sipos EP, Lattera JL, and Brem H: "Brain Tumor Angiogenesis." In, *Advances in Neuro-Oncology*. Volume II, Paul Kornblith, MD, Editor, (Futura Publishing Company, Armonk, NY), 1996.
5. Sills AK, Clatterbuck RE, Thompson RC, Cohen P, and Tamargo RJ: Endothelial cell expression of ICAM-1 and the development of experimental vasospasm. *Neurosurgery* 41: 453-461, 1997.
6. Sills AK, Williams J, Tyler BM, Epstein, Sipos EP, Lattera J, Zasloff M, and Brem H: Squalamine inhibits angiogenesis and solid tumor growth in vivo and perturbs embryonic vasculature. *Cancer Research* 58: 2784-2792, 1998.
7. Fung L, Ewend M, and Sills AK: Pharmacokinetics of interstitial delivery of carmustine, 4-hydroperoxycyclophosphamide, and paclitaxel from a biodegradable polymer implant in the monkey brain. *Cancer Research* 58: 672-684, 1998.
8. Brown HG, Berger PC, Olivi A, Sills AK, Barditch-Crova PA, Lee RR: "Intracranial leiomyosarcoma in a patient with AIDS." *Neuroradiology* 41: 35-39, 1999.
9. Ewend M, Thompson R, Anderson R, Sills AK, Staveley-O'Carroll K, Tyler BM, Hanes J, Brat D, Thomas M, Jafee E, Pardoll D, and Brem H: Intracranial paracine interleukin-2 therapy stimulates prolonged antitumor immunity that extends outside the central nervous system. *Journal of Immunotherapy* 23(4):438-448, 2000.
10. Hanes J, Sills AK, Zhao Z, Suh KW, Tyler BM, DiMeco F, Brat DJ, Chot MA, Leong KW, Pardoll DM, Brem H. "controlled local delivery of interleukin-2 by biodegradable polymers protects animals from experimental brain tumors and liver tumors." *Pharmaceutical Research*, 18(7):899-906, 2001.

11. Sills AK, Duntsch CD, Weimar J: "therapeutic strategies for local recurrent malignant glioma." Current Treatment Options in Oncology, Vol 5, 491-498, December 2004.
12. Duntsch CD, Divi M, Jones T, Zhou Q, Krishnamurthy M, Wood G, Sills AK, Moore B: "Invitro safety and efficacy of the novel CD2 selective cannabinoid, KM-233 as a chemotherapeutic agent for the treatment of high-grade glioma." Journal of Neuro-Oncology, January 2005
13. Sills AK: "Current treatment approaches to surgery for brain metastases." Neurosurgery, 2005 Nov, 57 (5 suppl): S24-32.
14. Rogers L, Rock J, Sills AK, et al: "Results of a Phase II trial of the GliaSite Radiation Therapy System for the treatment of newly diagnosed resected single brain metastases." Submitted to The Journal of Neurosurgery 105: 375-384, 2006.
15. Duntsch CD, Murali D, Nazarova M, Jones T, Sills AK, Moore B, and Wood G: Invitro safety and efficacy of a novel atypical cannabinoid, KM-233, for the treatment of high-grade gliomas. Journal of Neurosurgery. April 2006; 77(2): 143-52
16. Sills AK, Winestone J: "Eloquent cortex low grade glioma". Cases in Neurosurgery, in press, Sept 2009
17. Sills AK, Winestone J: "Primary central nervous system lymphoma". Cases in Neurosurgery, in press, Sept 2009
18. Sills AK: "Did you make the grade? A review of web-based physician evaluators." AANS Bulletin, Winter 2007.
19. Sills AK: "The Measure of Obesity: A Look at the Data." AANS Neurosurgeon, Summer 2008.
20. Pinner N, Hurdle A, Lobo B, Oliphant C, Reaves A, Sills AK: "Treatment of Warfarin-Related intracranial hemorrhage: A comparison of Prothrombin Complex Concentrate and Recombinant Activated Factor VII." Journal of Neurosurgery, Submitted July 2009.
21. Usery J, Michael M, Sills AK, Finch C: "A prospective and literature review of Levetiracetam use in patients with brain tumors and seizures". Journal of Neurosurgery, Submitted, July 2009
22. Sills AK, Redmond A, and Stieber V: "Use of balloon brachytherapy with or without radiosurgery in the treatment of surgically resected brain metastases". Neurosurgery, Submitted September 2009

Abstracts:

1. Tamargo RJ, Sills AK, Reinhard CS, et al: controlled release of dexamethasone from a polymer implant in the brain. Americana Association of Neurological Surgeons, Washington, DC, April 1989.
2. Sills AK, Davis JD, and Brem H: Prolongation of survival by interstitial dexamethasone in a rat glioma model. American Association of Neurological Surgeons, San Francisco, CA, April 1992.
3. Sills AK and Ducker TB: Indications for reconstruction plates in posterior cervical fusions. Congress of Neurological Surgeons, Vancouver, British Columbia, October 1993.
4. Storm PB, Olivi A, Sills AK, Lyman MD, and Sawhney AS: Reduction of epidural fibrosis in a rat laminectomy model by a photo polymerized biodegradable hydrogel. International Biomaterials Symposium, San Francisco, CA, March 1995.

5. Tamargo RJ, White BT, and Sills AK: Postoperative blood-brain barrier permeability and response to steroid treatment. Neurosurgical Society of America, Sea Island, GA, June 1995.
6. Sills AK, Clatterbuck RE, Thompson RC, and Tamargo RJ: Early upregulation of ICAM-1 expression in experimental vasospasm. Congress of Neurological Surgeons, San Francisco, CA, October 1995.
7. Sills AK, Tyler BM, and Brem H: Intracranial delivery of dexamethasone from a biodegradable polymer. Congress of Neurological Surgeons, San Francisco, CA, October 1995.
8. Sills AK, Clatterbuck RE, Cohen PL, Thompson RC, and Tamargo RJ: Endothelial cell ICAM-1 expression as an early signal for the subsequent development of experimental vasospasm. Joint Section on Cerebrovascular Surgery of the American Association of Neurological Surgeons and the Congress of Neurological Surgeons, San Antonio, TX, January 1996.
9. Sills AK, Epstein DS, Sipos EP, Williams J, Zasloff M, and Brem H: Inhibition of tumor-induced neovascularization by squalamine, a novel angiogenesis inhibitor. American Association of Neurological Surgeons, Minneapolis, MN, April 1996.
10. Storm PB, Sills AK, Olivi A, Lyman M, and Sawhney A: Effects of a photo polymerized hydrogel on the reduction of postlaminectomy scar formation in rats. American Association of Neurological Surgeons, Minneapolis, MN, April 1996.
11. Sills AK, White BY, Tyler BM, and Tamargo RJ: Effect of perioperative steroid treatment on postoperative cerebral edema. American Association of Neurological Surgeons, Minneapolis, MN, April 1996.
12. Cohen PL, Sills AK, Clatterbuck RE, Thompson RC, and Tamargo RJ: Timing of blood removal and development of vasospasm in the rat femoral artery model. American Association of Neurological Surgeons, Minneapolis, MN, April 1996.
13. Epstein DE, Sills AK, Brem H, Collins D, Williams J, and Zasloff M: Selective inhibition of VEGF-stimulated endothelial cells by squalamine. American Association of Neurological Surgeons, Minneapolis, MN, April 1996.
14. Fung LK, Ewend M, Sills AK, Sipos E, Thompson RC, Brem H, and Saltzman WM: Polymer delivery of carmustine, 4-hydroperoxy-cyclophosphamide and taxol in the monkey brain. American Association for Cancer Research, Washington, DC, April 1996.
15. Sills AK, Zhao A, van Essem K, Crongeyer J, Tyler B, Ewend M,G, Leong K, and Brem H: Intracranial delivery of interleukin-2 by microspheres in the treatment of brain tumors. International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japan, July 1996.
16. Kalyanasundaram S, Zhao Z, Sills AK, Brem H, and Leong KW: Controlled release for immunotherapy: analysis of intracranial transport of IL-2. International Symposium on Controlled Release of Bioactive Materials, Kyoto, Japa, July 1996.
17. Sills AK, Zhao Z, Tyler B, Crongeyer J, Leong K, Pardoll D, and Brem H: Intracranial delivery of interleukin-2 prolongs survival in primary and metastatic brain tumor models. Congress of Neurological Surgeons, Montreal, Quebec, Canada, September 1996.
18. Samdani A, Sills AK, Zhao Z, Ewend MG, Tyler BM, Leong K, and Brem H: Systemic vaccination with GM-CSF microspheres protects against growth of intracranial melanoma. Congress of Neurological Surgeons, Montreal, Quebec, Canada, September 1996.

19. Samdani A, Watts MC, Sills AK, Ewend MG, Tyler BM, Dawson VL, Dawson TM, and Brem H: Nitric Oxide produced by glia inhibits growth of human and experimental primary brain tumors. Congress of Neurological Surgeons, Montreal, Quebec, Canada, September 1996.
20. Sills AK, Tyler BM, Laterra J, and Brem H: Squamamine blocks endothelial activation by common brain tumor mitogens. Society for Neuro-Oncology, Santa Fe, NM, November 1996.
21. Fung LK, Ewend MG, Sills AK, Sipos E, Brem H, and Saltzman WM: Carmustine distribution following Gliadel polymer implantation and interstitial release in the primate brain. Society for Neuro-Oncology, Santa Fe, NM, November 1996.
22. Sills AK, Zhao Z, Ewend MG, Tyler BM, Van Wesslem K, Leong K, and Brem H: Interstitial immunotherapy with interleukin-2 inhibits growth and recurrence of brain metastases. Scientific Assembly of the Southern Medical Association, Baltimore, MD, November 1996.
23. Crongeyer JW, Sills AK, Tyler BM, and Brem H: Efficacy of local dexamethasone in the treatment of brain tumors. Scientific Assembly of the Southern Medical Association, Baltimore, MD, November 1996.
24. Sills AK: New Approaches to Brain Tumor Therapy, Tennessee Neurosurgical Society, Nashville, TN, September 1998.
25. Sills AK: Transverse cervical incision for carotid micro-endarterectomy. Tennessee Neurosurgical Society, Nashville, TN, September 1999.
26. Sills AK: Role of conventional angiography in the management of extracranial vascular disease. Tennessee Neurosurgical Society, Nashville, TN, September 1999.
27. Sills AK, Dalrymple S: Transverse cervical incision for carotid micro-endarterectomy. American Association of Neurological Surgeons, Boston, MA, October 1999.
28. Bernard J, Morris D, Vang M, Sills AK, Williams S: Stent assisted coil obliteration of wide-necked intracranial aneurysm. American Association of Neurological Surgeons, Boston, MA, October 1999.
29. Sills AK, Dalrymple S, and Hamm W: Transcranial Cerebral Oximetry as a non-invasive monitor of cerebral perfusion during carotid endarterectomy. AANS/CNS Joint Section on Cerebrovascular Surgery, New Orleans, LA, February 2000.
30. Sills AK, Vang M, Williams S, Bernard J, Watridge C, and Dalrymple S: Combined surgical and endovascular treatment of extracranial vascular disease. AANS/CNS Joint Section on Cerebrovascular Surgery, New Orleans, LA, February 2000.
31. Sills AK, Dalrymple S: Carotid micro-endarterectomy: Technique and results. AANS/CNS Joint Section on Cerebrovascular Surgery, New Orleans, LA, February 2000.
32. Sills AK, Dalrymple S, Hamm W: Transcranial cerebral oximetry as a non-invasive monitor of cerebral perfusion during carotid endarterectomy. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
33. Smith M, Vang M, Williams S, Sills AK: Epistaxis as presenting symptoms of internal carotid artery pseudoaneurysms. American Association of Neurological Surgeons, San Francisco, CA, April 2000.
34. Sills AK, Dalrymple S, Vang M, and Williams S: Role of angiography in the diagnosis and management of extracranial atherosclerotic disease. American Association of Neurological Surgeons, San Francisco, CA, April 2000.

35. Sills AK, Bernard J, and Williams S: Combined surgical and endovascular treatment of extracranial vascular disease. Congress of Neurological Surgeons, San Antonio, TX, October 2000.
36. Sills AK, Dalrymple S, and Hamm W: Use of propofol for cerebral protection during aneurysm surgery. Congress of Neurological Surgeons Meeting, San Antonio, TX, October 2000.
37. Sills AK, Bernard J, and Williams S: Directed extraluminal insertion of platinum coils during aneurysm surgery. Congress of Neurological Surgeons, San Antonio, TX, October 2000.
38. Hubbard J, Redmond A, Dalrymple S, Sills AK: Predictive value of transcranial cerebral oximetry during carotid endarterectomy. AANS/CNS/ASITN Joint Section on Cerebrovascular Surgery, Big Island, HI, February 2001.
39. Mobasser JP, Redmond A, Dalrymple S, Sills AK: Effect of hypothermia on morbidity and mortality of carotid endarterectomy. AANS/CNS/ASITN Joint Section on Cerebrovascular Surgery, Big Island, HI, February 2001.
40. Sills AK, Watridge C, Redmond A, Dalrymple S: Efficacy and safety of intraoperative arteriography during carotid endarterectomy. AANS/CNS/ASITN Joint Section on Cerebrovascular surgery, Big Island, HI, February 2001.
41. Brewington KC, Redmond A, Dalrymple S, Sills AK: The predictive value of admission urine drug screening in aneurysmal subarachnoid hemorrhage. AANS/CNS/ASITN Joint Section on Cerebrovascular Surgery, Big Island, HI, February 2001.
42. Brewington KC, Hubbard J, Dalrymple S, Redmond A, Sills AK: Transverse cervical carotid micro-endarterectomy. AANS/CNS/ASITN Joint Section on Cerebrovascular Surgery, Big Island, HI, February 2001.
43. Sills AK, Watridge C, Redmond A, Dalrymple S: Efficacy and safety of intraoperative arteriography during carotid endarterectomy. American Association of Neurological Surgeons, Toronto, Ontario, Canada, April 2001.
44. Smith M, Redmond A, Dalrymple S, Sills AK: Perioperative use of clopidogrel increases the risk of postoperative bleeding complications in carotid endarterectomy. American Association of Neurological Surgeons, Toronto, Ontario, Canada, April 2001.
45. Hubbard J, Redmond A, Dalrymple S, Sills AK: Intraoperative cerebral ischemia measured by transcranial cerebral oximetry. American Association of Neurological Surgeons, Toronto, Ontario, Canada, April 2001.
46. Mobasser JP, Redmond A, Sills AK: Chemosensitivity of explanted human brain tumors. Congress of Neurological Surgeons, San Diego, CA, October 2001.
47. Sills AK, Redmond A, Donovan-Peluso MA: Overexpression of angiogenesis factors from explanted brain tumors correlates with brain edema. Congress of Neurological Surgeons, San Diego, CA, October 2001.
48. Sills AK, Redmond A, Donovan-Peluso MA: Overexpression of angiogenesis factors from explanted brain tumors correlates with brain edema. Society for Neuro-Oncology, Washington, DC, November 2001.
49. Sills AK, Redmond A, Donovan-Peluso MA: VEGF expression by explanted human brain tumors correlates with edema. American Association of Neurological Surgeons, Chicago, IL, April 2002.

50. Sills AK, Redmond A, Donovan-Peluso Ma: Chemosensitivity of primary and metastatic brain tumors. American Association of Neurological Surgeons, Chicago, IL, April 2002.
51. Ewend MG, Yeyeodu S, Huang CH, Weaver K, McKinnon K, Sills AK: Technical hurdles to developing dendritic cell therapy for gliomas. Society for Neuro-Oncology, San Diego, CA, November 2002.
52. Rock JP, Shaw E, Sills AK, Vogelbaum M, Ewend MG, Rogers LR: Initial results of a Phase II trial of resection and GliaSite brachytherapy for a single brain metastasis. Society of Neuro-Oncology, Denver, CO, November 2003.
53. Burri SH, Sills AK, Fraser RW, Asher AL: Encouraging early results using the GliaSite brachytherapy device as a portion of initial therapy for malignant gliomas. Society of Neuro-Oncology, Keystone, CO, November 2003.
54. Sills AK, Duntsch C, Jayakar H, Zhou Q, Zing V, Pefeffer L, Robertson J, and Whitt M: Efficacy and safety of a replication-restricted VSV for the treatment of glioblastoma using organotypic brain slice and rodent models of intracranial glioma. Society of Neuro-Oncology, Edinburgh, Scotland, May 2005.
55. Duntsch CD, Divi M, Jones T, Wood G, Moore B, Sills AK: Invitro safety and efficacy of a novel CB2-selective cannabinoid chemotherapeutic agent, Km-233, for the treatment of high-grade glioma. Society of Neuro-Oncology, Edinburgh, Scotland, May 2005.
56. Sills AK, Tatter S, Fountas K, Fraser R, Asher A, Vogelbaum M, Judy K, Canute G, Jensen R, and Redmond A: A Phase II study utilizing focal radiation in patients with 1-3 brain metastases. Submitted, Southern Neurosurgical Society, Bermuda, March 2006.
57. Sills AK, Redmond A, Jackson M, Dubal N: Use of focal radiation for newly diagnosed glioblastoma. Society of Neuro-Oncology, Orlando, FL, November 2006.
58. Sills AK, Tatter S, Fountas K, Fraser R, Asher A, Vogelbaum M, Judy K, Canute G, Jensen R, and Redmond A: A Phase II study utilizing focal radiation in patients with 1-3 brain metastases. Society of Neuro-Oncology, Orlando, FL, November 2006.
59. Sills AK, Redmond A: Delayed brachytherapy balloon inflation for the treatment of brain metastasis. Society of Neuro-Oncology, Orlando, FL, November 2006.
60. Sills AK, Redmond A, Mynatt M, Dubal N: Use of focal radiation in newly diagnosed glioblastoma multiforme. Poster, American Association of Neurological Surgeons, Washington, DC, April 2007.
61. Sills AK, Tatter S, Fountas K, Fraser R, Asher A, Vogelbaum M, Judy K, Canute G, Jensen R, and Redmond A: A Phase II study utilizing focal radiation in patients with 1-3 brain metastases. Poster, American Association of Neurological Surgeons, Washington, DC, April 2007.
62. Sills AK, Redmond A, Dubal N: Use of focal radiation for newly diagnosed high-grade glioma. Poster, Society of Neuro-Oncology, Dallas, TX, November 2007.
63. Sills AK, Tatter S, Fountas K, Fraser R, Asher A, Vogelbaum M, Judy K, Canute G, Jensen R, and Redmond A: Update on Phase II study using focal radiation in patients with 1-3 brain metastases. Poster, Society of Neuro-Oncology, Dallas, TX, November 2007.
64. Hurdle A, Finch C, Crowder K, and Sills AK: Use of anticonvulsant medications in aneurysmal subarachnoid hemorrhage. Society for Critical Care Medicine, Honolulu, HI, February 2008.

65. Hurdle A, Finch C, Crowder K, and Sills AK: Risk factors for vasospasm and cerebral infarction in aneurysmal subarachnoid hemorrhage. Society for Critical Care Medicine, Honolulu, HI, February 2008.
66. DeCuypere M, Sills AK, Redmond A: Quality of life and treatment satisfaction survey of brain tumor patients and their caregivers. Society of Neuro-Oncology, Las Vegas, NV, November 2008
67. Sills AK, Michael M, Usery J, Finch C: A prospective evaluation and literature review of Levetiracetam use in patients with brain tumors and seizures. Society of Neuro-Oncology, New Orleans, LA, October 2009
68. Sills AK, DeCuypere M, Redmond A: Perceived quality of life and emotional impact of treatment in brain tumor patients. Society of Neuro-Oncology, New Orleans, LA, October 2009
69. Winston A, Hurdle A, Finch C, Nesheiwat C, Michael, M, Sills, AK: Use of hypertonic saline in surgical patients with brain tumors to treat cerebral edema. Submitted, SCCM 39th Critical Care Congress, January 9-12, 2010.