

## **Donald R. Smith, MD**

*Business Address:* Department of Neurosurgery  
Louisiana State University Health Sciences  
Center – Shreveport  
PO Box 33932  
1501 Kings Highway  
Shreveport, LA 71130-3932

### **Board Certification**

American Board of Neurological Surgery	1972
District of Columbia State Board (Inactive)	1973
Maryland State Board (Inactive)	1965
Louisiana State Board of Medical Examiners	1963

### **Academic Appointments**

Clinical Professor of Surgery/Neurosurgery Department of Neurosurgery Louisiana State University Health Sciences Center Shreveport, Louisiana	1998 – Present
Associate Clinical Professor Department of Neurosurgery Louisiana State University Medical Center Shreveport, Louisiana	1996 – 1998
Director of Division of Neurosurgery (50% time position) Department of Surgery Louisiana State University Medical Center Shreveport, Louisiana	1977 – 1980
Neurosurgery Private Practice Shreveport, Louisiana	1977 – 1996
Director of Residency Program George Washington University Washington, DC	1973 – 1975

Faculty of Neurosurgery Highest Rank: Associate Professor George Washington University Washington, DC	1972 – 1975
Assistant Chief of Neurosurgery Service Walter Reed Hospital Washington, DC	1972 – 1973
Consultant in Neurosurgery United States Army Europe	1970 – 1972
Chief of Neurosurgery Assigned to 2 <sup>nd</sup> General Hospital Landstuhl, West Germany	1970 – 1972
General Surgeon Assigned to 3 <sup>rd</sup> Field Hospital Saigon, South Vietnam	1965 – 1966

### **Education & Training**

Mangham High School Mangham, LA	1956
Louisiana State University Baton Rouge, LA	1956 – 1957
Northeast Louisiana State College Monroe, LA	1958 – 1959
Louisiana State University School of Medicine New Orleans, LA	1963
Internship – Rotating Tripler Army Hospital Honolulu, HI	1963 – 1964
Residency – General Surgery Walter Reed Army Hospital Washington, DC	1964 – 1965
Residency – Neurosurgery Walter Reed Hospital	1966 – 1970

Washington, DC  
Ludwig G. Kempe, Chief of Service

Masters Program, Health Care Sciences 1989 – 1994  
Trinity University  
San Antonio, TX

Graduate 1997  
Air War College  
Montgomery, AL

### **Professional Memberships**

American Association of Neurological Surgeons 8/1973 – Present

Congress of Neurological Surgeons 3/1972 – Present

Southern Neurosurgical Society 1997 – Present

Louisiana Neurosurgical Society 1997 – Present

Shreveport Medical Society 6/1977 – Present

Louisiana State Medical Society 1/1977 – Present

American Medical Association 2/1981 – Present

North American Spine Society 1977 – Present

### **Clinical Privileges**

Willis Knighton Medical Center

Willis Knighton Bossier

Louisiana State University Medical Center – Shreveport

Schumpert Medical Center

### **Administrative Appointments & Other Positions Held**

Louisiana Medical Political Action Committee Delegate	1992
Louisiana Medical Mutual Insurance Company Marketing/Risk Management Prevention Committee	1990 – 1996
Commander 368 <sup>th</sup> Medical Detachment Neurosurgery Desert Shield/Desert Storm Saudi Arabia	1990 – 1991
Willis Knighton Medical Center President Medical Staff	1989 – 1990
Louisiana Medical Political Action Committee Alternative Delegate	1988 – 1992
Shreveport Coalition for Medical Cost Containment Chairman	1986
Shreveport Medical Society President	1986
United States Air Force Reserve Colonel (retired)	1986-1987
Physician Health Plan Board of Directors	1986-1984
Aviation Medical Examiner Active Pilot with Instrument, Commercial, Multi-engine Ratings Commissioner and Secretary Caddo Parish Fire District 2	1985 – Present
Louisiana State Medical Society Delegate	1985-1992
Shreveport Physician Association Board of Directors	1985
Shreveport Medical Society Board of Directors	1983-1987

### **Awards & Honors**

1. Neurosurgical Continuing Medical Education Award 1998
2. Current Physicians Recognition Award 1992-1999  
AMA/Neurosurgery

### **Publications**

1. Smith DR, Ducker TB, Kempe LG. Temporary Experimental Intracranial Vascular Occlusion; Effect of Massive Doses of Heparin on Brain Survival. *J Neurosurg.* 1969; 30:535-544.
2. Smith DR, Hardman JM, Earle KM. Contiguous Glioblastoma Multiforme and Fibrosarcoma with Extracranial Metastases. *Cancer.* 1969; 24:270-276.
3. Smith DR, Hardman JM, Earle KM. Metastasizing Neuroectodermal Tumors of the Central Nervous System. *J Neurosurg.* 1969; 31:50-58.
4. Smith DR, Ferry DJ, Kempe LG. The Tentorial Artery: Its Diagnostic significance. *Acta Neurochir.* 1969; 21:57-69.
5. Kemp LG, Smith DR. Trigeminal Neuralgia, Facial Spasm, Intermedius and Glossopharyngeal Neuralgia with Persistent Carotid Basilar Anastomoses. *J Neurosurg.* 1969; 31:445-451.
6. Smith DR, Kempe LG, Dunwas R. Prenatal Agenesis of One Cerebral Hemisphere with Displacement of the Sagittal Sinus: Case Report. *J Neurosurg.* 1969; 30:80-82.
7. Smith DR, Ducker TB, Kempe LG. Experimental In Vivo Microcirculatory Dynamics of Brain Trauma. *J Neurosurg.* 1969; 30:664-672.
8. Smith DR, Kempe LG. Cerebral False Aneurysm Formation in Closed Head Trauma. *J Neurosurg.* 1970; 32:357-359.
9. Kempe LG, Vander Ark GD, Smith DR. The Neurosurgical Treatment of Glomus Jugulare Tumors. *J Neurosurg.* 1971; 35:59-64.
10. Smith DR, Vander Ark GD, Kempe LG. Cervical Spondylosis Causing Vertebrobasilar Insufficiency: A Surgical Treatment. *J Neurol Neurosurg Psychiat.* 1971; 34:388-392.
11. Vander Ark GD, Kempe LG, Smith DR. Pseudotumor Cerebri treated with Lumbo-Peritoneal Shunt. *JAMA.* 1971; 217:1832-1834.
12. Smith DR. Bilateral Acoustic Neuroma: Surgical Excision with Preservation of

- Hearing and Facial Function. *Usareur Med Bull.* 1972; 29:62-64.
13. Smith DR, Kempe LG. Lumbar Disc Disease: Consultants Corner. *Usareur Med Bull.* 1972; 29:299-302.
  14. Ammerman BJ, Smith DR. Papilledema and Spinal Cord Tumors. *Surg Neurol.* 1975; 3:55-57.
  15. Smith DR, Pressman BD, Lawrence WH, Davis DO, Rizzoli HV. Computerized Tomography: A New Clinical Modality. *VA Med Monthly.* 1975; 102:827-834.
  16. Smith DR, Jacobson J. Regional Cerebral Blood Flow and Autoregulation with Supratentorial Mass Lesions. *Surg Forum* 1975; 26:487-489.
  17. Smith DR, Jacobson J, Kobrine AI, Rizzoli HV. Regional Cerebral Blood Flow with Intracranial Mass Lesions. Part I: Local Alteration in Cerebral Blood Flow. *Surg Neurol.* 1977; 7:233-237.
  18. Smith DR, Jacobson J, Kobrine AI, Rizzoli HV. Regional Cerebral Blood Flow with Intracranial Mass Lesions. Part II: Autoregulation in Localized Mass Lesion. *Surg Neurol.* 1977; 7:238-240.
  19. Smith DR, Kobrine AI, Rizzoli HV. Blood Flow in Peripheral Nerves: Normal and Post Severance Flow Rates. *J Neurol Sc.* 1977; 3:341-346.
  20. Smith DR, Kobrine AJ, Rizzoli HV. Absence of Autoregulation in Peripheral Nerve Blood Flow. *J Neurol Sc.* 1977; 33:347-352.
  21. Ammerman BJ, Smith DR. Giant Fusiform Middle Cerebral Aneurysm: Successful Treatment Utilizing Microvascular Bypass. *Surg Neurol.* 1977; 7:255-257.
  22. Rizzoli HV, Randall JD, Smith DR. Meningioma Psammoma Bodies: Appearance by Scanning Electron Microscopy. *Virchaws Arch A Path Anat and Histol.* 1978; 380:317-325.
  23. Smith DR, Smith HJ, Rajjoub R. Spinal Cord Blood Flow by the Microsphere Technique. *Neurosurg.* 1978; 2:27-30.
  24. Kearns J, Smith DR, Alpert M. Oculomotor Palsy Secondary to Giant Aneurysm: A Clinical and Morphometric Study. *Am J of Ophthal.* 1979; 87:225-233.
  25. Smith DR, Donat JF. Giant Arteriovenous Malformation of the Vein of Galen: Total Surgical Removal. *Neurosurgery.* 1981; 8:378-382.
  26. Smith DR, Tucker SL. The Role of Specialty Physicians in Future Health Care Delivery: A Stakeholder Analysis. *Proceedings of the Global Health and Ecology Group and*

*Collective Supplement: The Association of Management 13<sup>th</sup> Annual International Conference August 1995.* 1995; 13(1).

27. Chanda A, Smith DR, Nanda A. Autotransfusion by Cell Saver Technique in Surgery of Lumbar and Thoracic Spinal Fusion With Instrumentation. *Journal of Neurosurgery.* 2002; 96(3 Suppl):298-303.
28. Jawahar A, Smith DR, Willis BK, Ampil F, Delaune A, Datta R, Nanda A. First 100 cases of gamma knife radiosurgery in Louisiana: analysis of demographics and early results. *Journal of the Louisiana State Medical Society.* 2002; 154:31-36.
29. Jawahar A, Willis BK, Smith DR, Ampil F, Datta R, Nanda A. Gamma Knife Radiosurgery for Brain Metastases: Do Patients Benefit from Adjuvant External Beam Radiotherapy? An 18-month Comparative Analysis. *Stereotactic and Functional Neurosurgery.* 2002; 79(3-4):262-271.
30. Sin A, Acharya R, Smith D, Nanda A. Adopting 540-degree Fusion to Correct Severe Cervical Kyphososis. *Surgical Neurology.* 2004; 61(6): 515-522; Discussion 522.
31. Patwardhan R, Shorter C, Willis BK, Smith DR, Caldito G, Nanda A. Survival Trends in Elderly Patients with Glioblastoma Multiforme: Resective Surgery, Radiation, and Chemotherapy. *Surgical Neurology.* 2004; 62(3): 207-213; Discussion 214-215.
32. Karim A, McCarthy K, Jawahar A, Smith D, Willis BK, Nanda A. Differential Cyclooxygenase-2 Enzyme Expression in Radiosensitive versus Radioresistant versus Radioresistant Glioblastoma Multiforme Cell Lines. *Anti-Cancer Research.* 2005; 25(1B): 675-679.
33. Jawahar A, Wadhwa R, Berk C, Caldito G, Delaune A, Ampil F, Willis B, Smith D, Nanda A. Assessment of Pain Control, Quality, and Predictors of Success after Gamma Knife Surgery for the Treatment of Trigeminal Neuralgia. *Neurosurgical Focus.* 2005; 18(5): E8.
34. Jawahar A, Shaya M, Campbell P, Ampil F, Willis BK, Smith D, Nanda A. Role of Stereotactic Radiosurgery as a Primary Treatment Option in the Management of Newly Diagnosed Multiple (3-6) Intracranial Metastases. *Surgical Neurology.* 2005; 64(3): 207-212.
35. Karim A, Mukherjee D, Ankem M, Gonzalez-Cruz J, Smith D, Nanda A. Augmentation of Anterior Lumbar Interbody Fusion with Anterior Pedicle Screw Fixation: Demonstration of Novel Constructs and Evaluation of Biomechanical Stability in Cadaveric Specimens. *Neurosurgery.* 2006; 58(3): 522-527; Discussion 522-527.
36. Karim A, Mukherjee D, Gonzalez-Cruz J, Ogden A, Smith D, Nanda A. Accuracy of Pedicle Screw Placement for Lumbar Fusion Using Anatomic Landmarks versus Open Laminectomy: A Comparison of Two Surgical Techniques in Cadaveric Specimens. *Neurosurgery.* 2006; 59(1): ONS 13-19; Discussion 13-19.

37. Sin A, Caldito G, Smith D, Rashidi M, Willis B, Nanda A. Predictive Factors for Dural Tear and Cerebrospinal Fluid Leakage in Patients Undergoing Lumbar Surgery. *Journal of Neurosurgery-Spine*. 2006; 5(3): 224-227.
38. Sin A, Smith D, Nanda A. Iatrogenic Splenic Injury during Anterior Thoracolumbar Spinal Surgery Case Report. *Journal of Neurosurgery-Spine*. [In Press].

### **Book Chapters**

1. Smith DR, Vander Ark GD. Ependymomas of the Filum Terminale. In: *Present Limits of Neurosurgery*. Prague: Avicenum Press, 1971.
2. Vander Ark GD, Smith DR, Kempe LG. Anterior Communicating Artery Aneurysm. In: *Clinical Neurosurgery*. Baltimore: Williams and Wilkind; 1974: 120-133.
3. Smith DR, Nanda A. Thoracic Disc Prolapse. Medlink Publishing; 2001.
4. Smith DR, Nanda A. Lumbosacral Plexus Injury. Medlink Publishing; 2001.
5. Nanda A, Polin R, Smith D, Acharya R, Karim A. Thoracic Disc Prolapse. Medlink Publishing; 2004.
6. Vander Ark GD, Smith DR, Kempe LG. Anterior Communicating Artery Aneurysm. In: *Clinical Neurosurgery*. Baltimore: Williams and Wilkind; 1974: 120-133.

### **Presentations**

1. Menendez JA, Smith PA, Polin RS, Willis BK, Smith D, Nanda A. Analysis of the Surgical Results after Resection of Solitary Metastasis to the Brain. 25<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 15-16, 1999; New Orleans, LA.
2. Jawahar A, Smith DR, Willis BK, Shin PC, Ampil F, Nanda A. Louisiana's First Gamma Knife. 27<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 19-21, 2001; New Orleans, LA.
3. Chanda A, Smith DR, Jawahar A, Nanda A. Use of Autotransfusion for Cell Saver Technique. 27<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 19-21, 2001; New Orleans, LA.
4. Sin A, Smith D, Acharya R, Nanda A. 540-Degree Fusion Adopting Single-Step Anterior and Posterior Spinal Instrumentation to Correct Severe Cervical Kyphosis: Report of 2 Cases. 29<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 18, 2003; New Orleans, LA.

5. Patwardhan R, Shorter C, Willis B, Smith D, Caldito G, Nanda A. Treatment of Elderly Patients with GBM: Surgery, Radiation, and Chemotherapy. 29<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 18, 2003; New Orleans, LA.
6. Sin A, Smith D, Nanda A. Predictive Factors for Dural Tear and Cerebrospinal Fluid Leak in Lumbar Spinal Surgeries. 30<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 24, 2004; Lake Charles, LA.
7. Karim A, McCarthy K, Jawahar A, Smith D, Willis B, Nanda A. Differential Cyclooxygenase-2 Enzyme Expression in Radiosensitive versus Radioresistant Glioblastoma Multiforme Cell Lines. 30<sup>th</sup> Annual Louisiana Neurosurgical Society Meeting; January 24, 2004; Lake Charles, LA.
8. Karim A, Mukherjee D, Ogden A, Gonzalez-Cruz J, Patwardhan R, Smith D, Nanda A. Augmentation of Anterior Lumbar Interbody Fusion with Anterior Pedicle Screw Fixation: A Cadaveric Study. Louisiana Neurosurgical Society Meeting; January 2005; New Orleans, LA.
9. Sin A, Mukherjee D, Ogden A, Robinson E, Smith D, Nanda A. A Biomechanical Comparison Study after Anterior Plate Fixation in a Cadaver Model: Two Level Discectomy vs. Single Level Corpectomy. Louisiana Neurosurgical Society Meeting; January 2005; New Orleans, LA.
10. Gonzalez-Cruz J, Ogden A, Mukherjee D, Smith D, Nanda A. A Biomechanical Study of L2-L3 and L3-L4 Vertebral Segments Before and After Laminoplasty. Louisiana Neurosurgical Society Meeting; January 20-21, 2006; Shreveport, LA.
11. Karim A, Mukherjee D, Gonzalez-Cruz J, Ogden A, Smith D, Nanda A. Accuracy of Pedicle Screw Placement for Lumbar Fusion using Anatomic Landmarks versus Open Laminectomy: A Comparison of Two Surgical Techniques in Cadaveric Specimens. Louisiana Neurosurgical Society Meeting; January 20-21, 2006; Shreveport, LA.
12. Sin A, Shorter C, Smith D, Nanda A. Long Term Treatment of Thoracic and Lumbar (T/L) Spinal Disease via Anterior Approach at Single Institution: LSUHSC-S Experience. Louisiana Neurosurgical Society Annual Meeting; January 20, 2007; New Orleans, LA.
13. Cardenas R, Patil S, Ogden A, Mukherjee D, Smith D, Nanda A. A Biomechanical Study of Anterior Corpectomy. Louisiana Neurosurgical Society Annual Meeting; January 20, 2007; New Orleans, LA.
14. Sin A, Brown B, Caldito G, Willis B, Smith D, Nanda A. Prospective Study of Long-Term Effects of Dural Tear and Cerebrospinal Fluid (CSF) Leak in Lumbar Spinal Surgeries. Southern Neurosurgical Society Annual Meeting; March 14-17, 2007; Sea Island, GA.

15. Sin A, Shorter C, Smith D, Nanda A. Long-Term Treatment of Thoracic and Lumbar (T/L) Spinal Disease via Anterior Approach at a Single Institution: LSUHSC-S Experience. Southern Neurosurgical Society Annual Meeting; March 14-17, 2007; Sea Island, GA.
16. Cardenas R, Ogden A, Mukherjee D, Smith D, Nanda A. A Biomechanical Study of Anterior Corpectomy. Southern Neurosurgical Society Annual Meeting; March 14-17, 2007; Sea Island, GA.
17. Cardenas R, Ogden A, Mukherjee D, Smith D, Nanda A. A Biomechanical Study of Anterior Corpectomy. Southern Neurosurgical Society Annual Meeting; March 14-17, 2007; Sea Island, GA.
18. Smith P, Shin PC, Polin RS, Baskaya MK, Menendez JA, Mangat M, Willis BK, Smith D, Nanda A. Comparison of Early Displacement Rate Using Titanium Cages versus Allograft Bone after Anterior Cervical Corpectomy. Annual Meeting of the American Association of Neurological Surgeons; April 8-13, 2000; San Francisco, CA.
19. Jawahar A, Willis BK, Smith DR, Shin PC, Ampil F, Nanda A. Gamma Knife Radiosurgery for Brain Metastases: Do Patients Benefit from Adjuvant External Beam Radiotherapy? A 15-month Comparative Analysis. Congress of Neurological Surgeons Annual Meeting; September 29-October 4, 2001; San Diego, CA.
20. Sharp C, Alexander JS, Granger DN, Nanda A, Willis BK, Smith DR, Ampil F, Datta R, Nikfar B. In Vitro Study to Assess the Response of Vascular cells to Gamma Knife Stereotactic Radiosurgery in an attempt to Elucidate the Chain of Events at the Molecular Level. Southern Neurosurgical Society Meeting; March 6-9, 2002; Atlanta, GA.
21. Acharya R, Patwardhan R, Smith D, Willis B, Fowler M, Nanda A. Intraspinial Synovial Cysts: A Nine Year Experience. Annual Meeting of the Congress of Neurological Surgeons; 2002; Philadelphia, PA.
22. Jawahar A, DeLaune A, Willis B, Smith D, Ampil F, Nanda A. Gamma Knife Radiosurgery in the Management of Brain Metastases from Lung Carcinoma: A Retrospective Analysis of Survival, Local Control, and Freedom from New Brain Metastases. Annual Meeting of the American Association of Neurological Surgeons; 2003; San Diego, CA.
23. Patwardhan R, Shorter C, Willis B, Smith D, Caldito G, Reddy P, Nanda A. Survival of Trends in Elderly Patients with Glioblastoma Multiforme: Resective Surgery, Radiation, and Chemotherapy. Annual Meeting of Congress of Neurological Surgeons; 2003; Denver, CO.
24. Karim A, McCarthy K, Jawahar A, Smith D, Willis B, Nanda A. Differential Cyclooxygenase-2 Enzyme Expression in Radiosensitive versus Radioresistant Glioblastoma Multiforme Cell Lines. American Association of Neurological Surgeons Annual Meeting; 2004; Orlando, FL.

25. Sin A, Smith D, Nanda A. Treatments for Hospitalized Patients with Herniated Cervical Disc Disease in 2000. American Association of Neurological Surgeons; 2004; Orlando, FL.
26. Sin A, Smith D, Nanda A. Predictive Factors for Dural Tear and Cerebrospinal Fluid Leak in Lumbar Spinal Surgeries. Congress of Neurological Surgeons Annual Meeting; 2004; San Francisco, CA.
27. Jawahar A, Berk C, DeLaune A, Caldito G, Ampil F, Willis B, Smith D, Nanda A. The Assessment of Pain Control, Quality of Life, and Predictors for Success after Gamma Knife Radiosurgery for trigeminal Neuralgia: A Single Institution Experience. Congress of Neurological Surgeons Annual Meeting; 2004; San Francisco, CA.
28. Shaya M, Jawahar A, Campbell P, Ampil F, Willis B, Smith D, Nanda A. Defining the Role of Stereotactic Radiosurgery in the Management of Newly Diagnosed, Multiple (3 or more) Intracranial Metastases: A Study of Survival Time and Control of Brain Disease. Southern Neurosurgical Society; 2004; Amelia Island, FL.
29. Sin A, Mukherjee D, Ogden A, Robinson E, Smith D, Nanda A. A Biomechanical Comparison Study after Anterior Plate Fixation in a Cadaver Model: Two Level Discectomy Vs. Single Level Corpectomy. American Association of Neurological Surgeons Annual Meeting; April 16-21, 2005; New Orleans, LA.
30. Karim A, Mukherjee D, Ogden A, Patwardhan R, Smith D, Nanda A. Biomechanical Comparison of Anterior Vs. Pedicle Screw Augmentation of Anterior Lumbar Interbody Fusion. Congress of Neurological Surgeons Annual Meeting; October 8-15, 2005; Boston, MA.
31. Gonzalez-Cruz J, Ogden A, Mukherjee D, Smith D, Nanda A. A Biomechanical Study of L2-L3 and L2-L4 Vertebral Segments Before and After Laminoplasty. Congress of Neurological Surgeons Annual Meeting; October 7-12, 2006; Chicago, IL.

### **Educational Leadership**

1. Course Director and Moderator. Panel Discussion and Case Review on Advances in Spine Management. October 2, 1999.
2. Course Director. Demonstration of Spinal Stealth Instrumentation System. Neuroscience Nursing Symposium; September 1999; Shreveport, LA.

### **Community Outreach**

1. Vice President. Training Production, Inc. for production educational and training programs with emphasis on video materials; 1985-1992; Shreveport, LA.

## Clinical Trials & Grants

1. Co-Investigator  
Cerestat Clinical Trial
2. Co-Investigator  
Devco/Bayer Traumatic Brain Injury  
Randomized, double-blind, placebo-controlled global trial to evaluate the efficacy, safety and pharmacokinetic/pharmacodynamic effects of a targeted exposure of intravenous repinotan (BAY x 23702) in patients with traumatic brain injury (TBI), 2001.
3. Co-Investigator  
SEAL Subarachnoid Hemorrhage: Microsurgery versus endovascular therapy for aneurysmal subarachnoid hemorrhage trial, 2001.
4. Co-Investigator  
A prospective randomized double-blind, parallel group, sequential design, multicenter study to determine the safety and efficacy of intravenously administered SDZ EAA 494 in hospitalized patients with severe traumatic brain injury. October 31, 1997.
5. Co-Investigator  
A randomized, double-blind, placebo-controlled study of intravenous CI-1009 in patients with severe head injury (protocol 1009-002). March 31, 1997.
6. Co-Investigator  
American Brain Injury Consortium-PHARMOS. Efficacy and Safety Evaluation of a Single Intravenous Dose of Dexanabinol in Patients Suffering from Severe Traumatic Brain Injury. 2/03 to 6/05.
7. Principal Investigator  
Ortho-Biotech Parexel: An Open-Label, Randomized, Parallel-Group Study To Confirm The Safety And Efficacy Of Procrit (Epoetin Alfa) Administered Perioperatively Versus The Standard Of Care In Blood Conservation In Subjects Undergoing Major Elective Spinal Surgery. 6/03 to 6/05.
8. Principal Investigator  
Actipore PLFx for Degenerative Disc Disease Multi-Center, Randomized, Controlled Clinical Trial (Interbody Lumbar Implant) 10/03.
9. Co-Investigator  
Non-convulsive Status Epilepticus in Patients with Traumatic Brain Injury
10. Co-Investigator  
Epidural Morphine and Steroids after Lumbar Surgery
11. Co-Investigator

Comparison of Fusion Rate Following a Single Level Anterior Cervical Discectomy and Fusion with a Plate vs Without a Plate: Randomized Prospective Study.

12. Co-Investigator  
Predictive Factors for Dural Tear and Spinal Fluid Leak in Lumbar Spinal Surgeries
13. Co-Investigator  
Efficacy of Gamma Knife Stereotactic Radiosurgery with or without External Beam Radiation in Management of Brain Metastases
14. Co-Investigator  
Role of Systemically Administered VEGF-1 to Induce Endothelial Cell Proliferation
15. Co-Investigator  
Animal Model to Predict Brain Edema following Gamma Knife
16. Co-Investigator  
Hypertensive Hemorrhage in African Americans
17. Co-Investigator  
Effect of Celecoxib, a cyclooxygenase-inhibitor, on Radiosensitization of Brain Mets to GK Radiosurgery
18. Co-Investigator  
DuraSeal Sealant Post Market Study
19. Co-Investigator  
A Prospective, Multi-Center, Randomized, Controlled Clinical Study Comparing SyntheCel Dura Replacement to Other Dura Replacements in Patients Requiring Dura Repair Following Cranial Surgery

**Continued Medical Education Credits**

- 1993 43 Hours Certified
- 1994 – July 1995 103 Hours CAT, 1CME
- 1995 80 Hours
- 1996 47.5 Hours
- 1997 81 Hours
- 1998 49 Hours
- 1999 62.45 Hours

2000 28 Hours  
 2001 51 Hours  
 2002 21 Hours  
 2003 3 Hours  
 2004 56 Hours  
 2005 19.25 Hours  
 2006 17.5 Hours  
 2007 16.5 Hours

**Continued Medical Education Courses**

**2007**

Southern Neurosurgical Society Thursday Scientific Sessions 3/2007  
 Southern Neurosurgical Society Friday Scientific Sessions 3/2007  
 Southern Neurosurgical Society Saturday Scientific Sessions 3/2007  
 The Role of Adenosine in the Regulation of Cerebral Blood Flow 3/2007  
 Neurosurgical Management of Neuro-Fibromatosis Type 2 5/2007

**2006**

Mechanisms of Persistent Pain 3/2006  
 Clinically Non-Functional Pituitary Adenomas:  
 The Surgical and Biological 5/2006  
 Hearing Preservation/Restoration Strategies in NF2 12/2006

**2005**

Southern Neurosurgical Society Annual Meeting 3/2005  
 Does Evidence Matter? –The Strange Case of  
 Percutaneous Discectomy 5/2005

Radiosurgical Technologies change the Face of Neurosurgery	8/2005
Federal Medical Liability Reform: An Update	8/2005
Skull Base Surgery: 20 Years Later, Successes, Failures & Lessons Learned	11/2005
<b>2004</b>	
What We have Learned from Clinical Trial In CNS Injury	1/2004
Surgical Complications of Baclofen Pumps	3/2004
Neurosurgical Endoscopy	4/2004
Building a Comprehensive Stroke Center	5/2004
Neurosurgical Case Coding	5/2004
Medical Record Imaging	5/2004
How to Plan for Retirement	5/2004
WINS Advanced Leadership Training	5/2004
Advancing Patient Care through Technology and Creativity	5/2004
Endovascular Management of Carotid and Intracranial Stenosis	11/2004
<b>2003</b>	
The Future of Neurovascular Diseases	1/ 2003
Historical Evolution of the Approaches of the Sella Turcica	10/2003
Innovation in Neurosurgery	11/2003
<b>2002</b>	
Southern Neurosurgical Society Meeting	3/2002

Neuroprotection: Genes, Gender, and Pharmacological Agents	5/2002
Endovascular Treatment for Acute Ischemic Stroke	6/2002
Intracerebral Hemorrhage: Injury Mechanisms and Experimental Treatment	9/2002
Neuro-Update	8/ 2002
Kyphoplasty: Treatment of Painful Vertebral Compression Fractures	11/2002
<b>2001</b>	
Aviation Medicine Federal Aviation Administration	2/2001
Multiple Subpial Transection (MST) in the Treatment of Epilepsy	3/2001
Petroclival Meningiomas: Contemporary Management	5/2001
Arteriovenous Malformations: Complex Lesions, Comprehensive Therapy Working	6/2001
Head and Neck Injuries in Contact Sports	7/2001
Minimally Invasive Surgery of the Lumbar Spine	8/2001
Neurosciences Nursing Symposium	11/2001
<b>2000</b>	
Vertebroplasty American Association of Neurological Surgeons	4/2000
AVM Treatment with the Gamma Knife	2/ 2000
Acoustic Neuromas: Development of Treatment Paradigms	4/ 2000
Gamma Knife Radiosurgery: Impact on Contemporary Neurosurgery & Potential for Future Applications	5/ 2000
Cerebral Revascularization for Difficult Aneurysms & Tumors	11/2000

## **1999**

Lumbar Spine in Sports North American Spine Society Meeting	1999
Coding & Compliance North American Spine Society Meeting	1999
Young Investigator's Workshop North American Spine Society Meeting	1999
Spine Care Review North American Spine Society Meeting	1999
Advances in Spine Management Louisiana State University Health Sciences Center	12/1999
Interventional Neuroradiologic Methods for treating Cerebral Vasospasm	1/1999
Controversies in the Management of Cerebral Arteriovenous Malformations	2/1999
Neural Transplantation for Parkinson's Disease	2/1999
Glutamate Excitotoxicity and DNA Damage	3/1999
Cranial Base Approaches to Posterior Circulation Aneurysms	4/1999
Endovascular Approaches to Cerebrovascular Disease	5/1999
Evaluation & Management of Craniosynostosis	7/1999
Gamma Knife Radiosurgery	8/1999
Advances in Spine Management	10/1999

## **1998**

Endoscopic Pituitary Surgery	3/1998
Technological Adjuncts to Intracranial Surgery	6/1998
Therapeutic Hypothermia for Brain Injury	7/1998

Unruptured Aneurysms: Where Do We Go Now?	8/1998
Stroke Update '98	10/1998
The Evolution of Microneurosurgery	12/1998
Contemporary Management Paradigms for Patients with Spinal Disorders	12/1998
<b>1997</b>	
Results of the Current Management of Aneurysmal Subarachnoid Hemorrhage	2/1997
Brain Resuscitation	3/1997
Head Wound & Head Injury: Clinical & Experimental Correlates	5/1997
Pallidotomy for Parkinson's Disease & Dystonia	6/1997
The Lefort I Maxillotomy for the Removal of Giant Pituitary Adenomas	8/1997
Vascular Compression Syndromes of the Lower Cranial Nerves and their Management	10/1997
The Internet: From Bits to Health Care	10/1997
Advances in Spine Management	10/1997
<b>1996</b>	
Cervical Spine Injuries: A Biomechanical Classification	8/1996
Brain Swelling in Severe Head Injury: Pathophysiology and Therapy	9/1996
Neuro-Update	10/1996
Balloon Compression for Trigeminal Neuralgia	12/1996
<b>1995</b>	

