

**Curriculum Vitae**

**Peter L, Mayer, MD, FACS**

**Neurosurgeon**

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Revised 2011-07-10

**EDUCATION and EMPLOYMENT**

2003 to present	Neurosurgeon, Neurosurgery and Spine Specialists LLC, Sarasota, Florida
1995 to 2003	Neurosurgeon, Neurological Associates PA, Sarasota, FL
1994 to 1995	Neurosurgery Resident, Fellow and Instructor, Yale University School of Medicine, New Haven, CT
1987 to 1988	Intern in General Surgery Harvard Medical School, Boston, MA
1983 to 1987 NH	Dartmouth Medical School, Hanover,  MD with Honors, AOA
1982 to 1983	Research Technician, Department of Neurosurgery, NYU Medical Center, New York, NY
1978 to 1982	Oberlin College, Oberlin, OH BA, Psychobiology, PBK

**Expertise      See Appendix A.**

Comprehensive expertise in adult brain and spinal surgery, surgery of carotid and vertebral arteries, and peripheral nerve surgery. Fellowship trained in Vascular Neurosurgery.  
Florida Workers' Compensation Certified.

**Professional Societies**

Fellow of the American College of Surgeons  
American Association of Neurologic Surgeons  
Congress of Neurologic Surgeons  
AANS/CNS Joint Section on Cerebrovascular Surgery  
AANS/CNS Joint Section on Spine and Peripheral Nerves  
North American Spine Society  
Sarasota County Medical Society

**Hospital Affiliations**

Sarasota Memorial Hospital, Active Staff

- Chief of Staff Elect, for 2011-2012
- Chief, Department of Surgery 2000-2001, 2008-2009
- Medical Executive Committee 1999-2001, 2007-present
- Executive Board 2000-2001
- Surgery Case Review Committee 1999-2005
- OR Efficiency Committee, Chair, 2008-2011
- Numerous other hospital committees

HCA Doctors Hospital of Sarasota, Active Staff

**Academic Position**

Clinical Assistant Professor, Florida State University School of Medicine, 2005 - present

## **Publications and Presentations**

### **Original Articles**

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis of symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. *Stroke* 27: 1558-1563, 1996.

Persing JA, Mayer PL, Spinelli HM, Miller L, Criscuolo GR. Prevention of “temporal hollowing” after fronto-orbital advancement for craniosynostosis. *J Craniofac Surg* 5: 271-275, 1994.

Mayer PL, Kier EL. The controversy of the periventricular white matter circulation: a review of the anatomic literature. *AJNR* 12: 223-228, 1991

### **Case Reports**

Mayer PL, Larkin JA, Hennessey JM. Amebic Encephalitis: Case Report. *Surg Neurol Int* 2:50-53, 2011.

Goldstein JM, Parks BJ, Mayer PL, Kim JH, Sze G, Miller RG. Nerve root hypertrophy as the cause of lumbar stenosis in chronic inflammatory polyradiculoneuropathy. *Muscle and Nerve* 19, 892-896, 1996.

Isenberg JS, Mayer PL, Butler W, Pfaff-Amesse T, Persing JA. Multiple recurrent benign schwannomas of deep and superficial nerves of the upper extremity: a new variant of segmental neurofibromatosis. *Ann Plastic Surg* 33: 659, 663, 1994.

### **Published Abstracts**

Mayer PL. Dorcas Hager Padget, 1906-1973: Cerebrovascular embryologist and chief medical illustrator for Dr. Walter Dandy. *J Neurosurg* 82: 356A, 1995.

De Lotbiniere ACJ, Mayer PL, Adcock AR, Goldman-Rakic PS. The use of radiosurgery for functional neurosurgery in the non-human primate. *Acta Neurochirurgica* 118: 180, 1993.

De Lotbiniere ACJ, Mayer PL, Goldman-Rakic PS. Development of a primate model for stereotactic radiosurgery: a new technique in primate brain research. *Acta Neurochirurgica* 117: 114, 1992.

## **Book Chapters**

Mayer PL, Kier EL. Then ontogenetic and phylogenetic basis of cerebrovascular anomalies and variants, in Apuzzo MLJ, ed., *Brain Surgery: Complication Avoidance and Management*, New York: Churchill Livingstone, pp. 691-792, 1993.

## **Scientific Posters**

Mayer PL. Enhancing L5 nerve roots. AANS-CNS Joint Section on Spine and Peripheral Nerves, Orlando, FL, 2010.

Mayer PL. Neurosurgery in Centenarians. AANS-CNS Joint Section on Spine and Peripheral Nerves, Orlando, FL, 2010.

Mayer PL, Glasser RS, Schumacher JM. Prospective Study of Microsurgical Anterior Foramenotomy for Cervical Radiculopathy. American Association of Neurologic Surgeons, New Orleans, 2000.

Mayer PL, Glasser RS. Carotid duplex alone is not sufficient for surgical decision-making in carotid stenosis. American Association of Neurologic Surgeons, New Orleans, 2000.

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis and mismanagement of subarachnoid hemorrhage and symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. AANS/CNS Joint Section on Cerebrovascular Surgery, San Antonio, 1996.

Mayer PL, Schindler J, Awad IA. Educational emphasis on neurological vs. cardiovascular emergencies in US Medical Schools. Fourth International Workshop on Cerebrovascular Surgery, Chicago, 1995.

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis and mismanagement of subarachnoid hemorrhage and symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. Fourth International Workshop on Cerebrovascular Surgery, Chicago, 1995.

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis and mismanagement of subarachnoid hemorrhage and symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. American Association of Neurologic Surgeons, Orlando, 1995.

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis and mismanagement of subarachnoid hemorrhage and symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. Congress of Neurologic Surgeons, San Francisco, 1995.

Mayer PL, Spagnuolo E, Awad IA, Claus E. Outcome predictors in aneurysm surgery. Fourth International Workshop on Cerebrovascular Surgery, Chicago, 1995.

Mayer PL, Duncan CC. Neuroendoscopy: Yale Experience. Congress of Neurologic Surgeons, Chicago, 1994.

### **Oral Presentations**

Numerous presentations to hospital and medical groups in Sarasota, Florida, 1995-present.

Mayer PL. Glioblastoma in an Elderly Population. 2011 Florida Brain Tumor Biomedical Technology Summit, Orlando, May 14, 2011.

Mayer PL. Dorcas Hager Padgett, 1906-1973: Cerebrovascular embryologist and chief medical illustrator for Dr. Walter Dandy. American Association of Neurologic Surgeons, Orlando, 1995.

Mayer PL, Awad IA, Todor R, Harbaugh K, Varnavas G, Lansen TA, Harbaugh R, Hopkins N. Misdiagnosis and mismanagement of subarachnoid hemorrhage and symptomatic cerebral aneurysm: prevalence and correlation with outcome at four institutions. New England Neurosurgical Society, Boston, 1995.

Dare AO, Putman CM, Chaloupka JC, Mayer PL, Fayad PB, Schneck MJ, Awad IA. Failure of balloon test occlusion with hypotensive challenge to predict delayed hemodynamic ischemia after carotid occlusion. Fourth International Workshop on Cerebrovascular Surgery, Chicago, 1995.

De Lotbiniere ACJ, Mayer PL, Adcock AR, Goldman-Rakic PS. Experience with radiosurgery in the non-human primate. Linac Neurosurgery 1995, Orlando, 1995.

Mayer PL, Duncan C. Coincidence of brainstem abscess and tumor. New England Neurosurgical Residents Society, Hartford, CT, 1991.

Mayer PL, George T, Piepmeier J, Spencer DD. Neurosurgical management of the pregnant patient. New England Neurosurgical Society, New Haven, CT, 1990.

### **Letters to Editor**

Mayer PL, Kier EL. Variations in the A1 segment. J Neurosurg 76: 1041-1042, 1992.

Mayer PL, Awad IA. Subarachnoid hemorrhage and choir singing. J Neurosurg 81, 159-160, 1994.

## Clinical Research

Protocol IGS9902. Anika Therapeutics. A Prospective, Multicenter, Randomized, Controlled Study to Evaluate Incert-S for the Inhibition of Peridural Fibrosis Following Unilateral, Single-Level, Lumbar Discectomy with Laminectomy or Laminotomy. James M. Schumacher, M.D., Principal Investigator, (Co-Investigators) Mayer PL, RS Glasser, RS Knego. April 2001 to present.

Protocol P960025. DePuy-Acromed. A Post-Approval Evaluation of the Lumbar I/F Cage with VSP Spine System for PLIF. Glasser RS (Principal Investigator), Mayer PL (Co-Investigator), Schumacher JM, Knego RS; *Neurological Associates, P.A.* (at Sarasota Memorial Hospital) Sarasota, FL; May 2001 to present.

Protocol BXP-1013-5. Biomatrix. Controlled, Double-Blind, Randomized Efficacy and Safety Evaluation of Hylagel (hylan G-F 80) for Reducing Post-Surgical Perineural Adhesion/Scarring in Patients undergoing intraspinal Lumbar surgical Procedures for Herniated Lumbar Intervertebral Disc. Ryan S. Glasser, M.D., Principal Investigator, Mayer PL (Co-Investigator). March 2000 to present.

Protocol NRIS2000-01: Outcomes Evaluation for Lumbar Fusion Using the Impacted PLIF and Pedicle Screw Fixation. Glasser RS (Principal Investigator), Mayer PL (Co-Investigator), Schumacher JM, Knego RS, Kaplan PR and Halbert MR. *Neurological Associates, P.A.* (through a research grant from Medtronic Sofamor Danek); July 2000 to present.

Schumacher JM, Mayer PL (Co-Investigator), Glasser RS: Radionics StereoPlan Version 2.0. Clinical Evaluation Protocol Using the Cosman Wells (CRW) Stereotactic System. Neurological Associates, P.A. (at Sarasota Memorial Hospital) Sarasota, FL; December 1998 to June 1999.

Schumacher JM, Mayer PL (Co-Investigator), Glasser RS: Radionics Neuromap Microelectrode Recording System. Alpha Site testing of microelectrode recording during pallidotomy and thalamotomy for Parkinson's disease. Neurological Associates, P.A. (at Sarasota Memorial Hospital) Sarasota, FL, July 1997 to December 1998.

Schumacher JM, Mayer PL (Co-Investigator), Glasser RS: Radionics Slice Plan Software. Alpha Site testing of three-dimensional imaging for stereotactic surgery and radiosurgery planning. Neurological Associates, P.A. (at Sarasota Memorial Hospital) Sarasota, FL, February 1998 to December 1998.

Schumacher JM, Mayer PL (Co-Investigator), Glasser RS: Radionics Optical Tracking System in Spine Surgery. Beta Site testing of frameless stereotaxy in spinal surgery. Neurological Associates, P.A. (at Sarasota Memorial Hospital) Sarasota, FL, September 1997 to February 1998.



Mayer PL (Principal Investigator), Schumacher JM, Glasser RS: Nobles-Lai Engineering (NLE) Noblescope System (Study # 95-5). Beta Site study of multi-port brain endoscope. Neurological Associates, P.A. (at Sarasota Memorial Hospital) Sarasota, FL, July 1997-November 1997.

**Appendix A**  
**Neurosurgery Expertise**

**Spine**

- Herniated Disc
- Spinal Stenosis
- Spondylolisthesis
- Fusion
- Instrumentation
- Fractures
- Subluxation And Dislocation
- Endoscopic Discectomy
- Spinal Epidural Abscess
- Spinal Osteomyelitis and Discitis
- Spinal Tumors
- Syringomyelia
- Spinal Cord Injury
- Vertebroplasty For Compression

## Fractures

- Kyphoplasty For Compressions

## Fractures

**Vascular**

- Carotid Endarterectomy
- Carotid And Vertebral Artery

## Injury

- Ischemic And Hemorrhagic

## Stroke

- TIA And Amaurosis Fugax
- Cerebral Aneurysm
- Brain And Spinal Cord AVM
- Cavernous Malformation
- Venous Malformation
- Sinus Thrombosis
- Dural A-V Fistula
- Extracranial-Intracranial (EC-IC)

## Bypass

- Carotid Artery Trauma And

## Dissection

- Vertebrobasilar Disease
- Carotid Body Tumors
- Giant Aneurysms
- Carotid Occlusion
- Temporal Artery Biopsy

**Brain - Oncologic**

- Craniotomy For Tumor
- Brain Metastases
- Stereotactic Craniotomy
- Stereotactic Biopsy
- Stereotactic Radiosurgery (X-Ray Knife)
- Meningioma
- Acoustic Neuroma
- Skull Base Surgery
- Pituitary Surgery

**Brain - Hydrocephalus**

- Ventriculoperitoneal Shunt
- Endoscopic Brain Surgery

**Brain - Miscellaneous**

- Trigeminal Neuralgia
- Brain Abscess
- Head Trauma, Skull Fracture, ICP Monitoring
- Chiari Malformation
- Craniofacial And Cranioorbital Surgery
- Neurosurgical Critical Care

**Peripheral Nerve**

- Carpal Tunnel Syndrome
- Ulnar Neuropathy
- Nerve And Muscle Biopsy
- Nerve Sheath Tumors
- Thoracic Outlet Syndrome

**Pain And Spasticity**

- Morphine Pumps
- Baclofen Pumps