

**Curriculum Vitae**

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

**Neurosurgeon**

Neurosurgery and Spine Specialists

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<b>Date of Birth</b>	1-25-60
<b>Citizenship</b>	USA
<b>Medical Licensure</b>	ME68105 (Florida)
<b>UPIN</b>	F1632

**Education and Employment**

Secondary	1978	Horace Greeley High School, Chappaqua, NY NY State Regents Scholarship
Undergraduate	1978-1982	BA, Psychobiology Oberlin College, Oberlin, OH Phi Beta Kappa 173 West Lorain Street Oberlin, Ohio 44074 (440)-775-8450 (440)-775-8800 fax
Employment	1982-1983	Research Technician, Department of Neurosurgery, NYU Medical Center, New York, NY
Medical School	1983-1987	MD with Honors, Dartmouth Medical School, Hanover, NH Alpha Omega Alpha 1 Rope Ferry Road Hanover, NH 03755-1404 (603)-650-1200 (603)-650-1202 fax
Internship	1987-1988	General Surgery Harvard Medical School, New England Deaconess Hospital Boston, MA Department of Surgery Beth Israel Deaconess Med Ctr 330 Brookline Avenue Boston, MA 02215 (617)-667-3787 (617)-667-7756 fax
Residency	1988-1994	Neurosurgery Yale University School of Medicine Yale-New haven Hospital New Haven, CT Department of Neurosurgery Yale University Sch. of Medicine PO Box 208082

New Haven, Ct 06520-8082  
(203)-785-2808  
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Fellowship	1994-1995	Vascular Neurosurgery and Critical Care Yale University School of Medicine Yale-New haven Hospital New Haven, CT Department of Neurosurgery Yale University Sch. of Medicine PO Box 208082 New Haven, Ct 06520-8082 (203)-785-2808 (203)-785-4161 fax
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**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

North American Spine Society

American Medical Association

American Heart Association Stroke Council

Florida Medical Association

Florida Neurosurgical Society

Florida Physicians Network

Sarasota County Medical Society

**Hospital Affiliations**

Sarasota Memorial Hospital, Active Staff

- Chairman, Department of Surgery 2000-2001
- Medical Executive Committee 1999-2002
- Executive Board 2000-2001
- Numerous other hospital committees

HCA Doctors Hospital of Sarasota, Active Staff

## **Publications and Presentations**

### **Original Articles**

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

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

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.

### **Case Reports**

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.

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.

### **Published Abstracts**

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.

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.

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

### **Book Chapters**

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

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

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.



## Oral Presentations

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

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

Mayer PL. Dorcas Hager Padget, 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.

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

## 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 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 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 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
- Kyphoplasty and Vertebroplasty 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 Glial and other Primary Tumors
- Brain Metastases
- Stereotactic Surgery
- Stereotactic Radiosurgery (X-Ray Knife)
- Meningioma
- Acoustic Neuroma
- Skull Base Surgery
- Pituitary Surgery

#### **Brain - Hydrocephalus**

- Ventriculoperitoneal Shunt
- Endoscopic Third Ventriculostomy
- Other 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**

- Spinal Stimulators
- Morphine Pumps
- Baclofen Pumps