

**MARK ROBERT McLAUGHLIN, M.D., F.A.C.S.**

**Princeton Brain and Spine Care, LLC**

Curriculum Vitae

November 2009

**Office Address**

Princeton Brain and Spine Care, LLC  
1203 Langhorne-Newtown Road, Suite 138  
Langhorne, PA 19047  
Office (215) 741- 3141  
Fax (215) 741-3143

731 Alexander Road  
Princeton, NJ 08540  
Office (609) 921- 9001  
Fax (609) 921- 9055

**Education**

- 1999-2000 Fellowship in Complex Spine Surgery  
Emory University School of Medicine
- 1998-1999 Chief Resident, Department of Neurosurgery  
University of Pittsburgh Medical Center
- 1993-1998 Resident, Department of Neurosurgery  
University of Pittsburgh Medical Center
- 1992-1993 Intern, General Surgery  
University of Pittsburgh Medical Center
- 1988-92 M.D. Medical College of Virginia, Virginia Commonwealth  
University, Ranked top fifth of class
- Electives: Acting Internships in Neurosurgery  
Barrow Neurological Institute  
University of Pittsburgh Medical Center  
Baylor University Medical Center
- 1983-88 B.A. Philosophy  
College of William and Mary, Williamsburg, Virginia
- 1977-1983 High School Diploma  
The Pingry School, Martinsville, NJ

CURRICULUM VITAE

Mark Robert McLaughlin, MD

3

Post-Graduate Examinations:

Diplomate of the National Board of Medical Examiners. July 1, 1993  
Passed American Board of Neurological Surgery Primary Examination April 30, 1997  
Diplomate of the American Board of Neurological Surgery, May 20<sup>th</sup>, 2004 (#24016)

Medical Licensure:

Pennsylvania Medical License # MD-053757-L  
New Jersey Medical License # 25MA07347600  
Massachusetts Medical License #205444 (Inactive)  
Georgia Medical License #045295 (Inactive)  
DEA License Number: BM4178908  
CDS License Number: D08125500

Medical Education, Post-Graduate Training, Professional Activities:

Aug., 1988- June, 1992	Medical College of Virginia, VCU
June, 1992 - June 1993	General Surgical Internship, University of Pittsburgh Medical Center (UPMC)
July, 1993 – June, 1998	Neurosurgery Resident (UPMC)
July, 1998 – June, 1999	Chief Resident Neurosurgery (UPMC)
July, 1999 – June, 2000	Fellow Complex Spine Surgery-Emory Neurosurgical and Neurological Group, Inc./Staff Neurosurgeon at Baystate Medical Center and Mercy Medical Center (Springfield, MA) and Holyoke Hospital (Holyoke, MA)
July, 2000 – June, 2002	
July, 2002-February, 2005	Neuro-Group, P.A., Lawrenceville, NJ,
March, 2005-Present	Princeton Brain and Spine Care, LLC Langhorne, PA; Princeton, NJ

Honors:

College of William and Mary Athletic Hall of Fame Inductee  
Pingsry School Athletic Hall of Fame Inductee

Residency:

Finalist in the Raymond Alexander Resident Paper Competition, Eastern Association for the Surgery of Trauma. January 1995.  
Resident Teaching Award, University of Pittsburgh, 1995, 1998.  
Young Neurosurgeons' Committee. Elected: September 1997.

Honors (cont.):

Medical School:

Alpha Omega Alpha  
A.D. Williams Award for highest academic standing clinical year  
National Student Government Award Winner  
Phi Kappa Phi Honor Society  
NCAA Post Graduate Scholarship for Academic Excellence

Collegiate:

Two-time Academic All American,  
Varsity Wrestling Team 4 time letter winner, Captain 2x  
1988 Virginia State Champion and Most Outstanding Wrestler  
Ranked Division I NCAA Wrestler  
William and Mary's Most Outstanding Senior Athlete 1988  
Omicron Delta Kappa Honor Society  
Phi Eta Sigma Freshman Honor Society  
William And Mary Athletic Hall of Fame Inductee

Civic Activities:

Head Wrestling Coach, Princeton Recreation Wrestling, 2002-Present.  
Russian American Neurosurgery Initiative - Featured on Parade Magazine.

Focused Neurosurgical Training:

- Gamma Knife Radiosurgery** with Dr. L. Dade Lunsford  
at The University of Pittsburgh, December 1997-March 1998.
- Complex Spine** with Dr. Regis W. Haid, at Emory University, April-June, 1998.  
And 1 year fellowship July 1999- June 2000

Professional Societies and Associations:

- Member of American Association of Neurological Surgeons
- Member of Congress of Neurological Surgeons
- Candidate Member of American College of Surgeons
- Member of AANS/CNS Section on Neurotrauma and Critical Care
- Member of AANS/CNS Section on Disorders of the Spine and Peripheral Nerves
- International Neurosurgical Fellowship Committee
- Member North American Spine Society

CURRICULUM VITAE

Mark Robert McLaughlin, MD

Professional Activities:

- Sergeant at Arms Committee, AANS, Orlando, 1995
- Sergeant at Arms Committee, CNS, Montreal, 1996
- Sergeant at Arms Committee, AANS, Minneapolis, 1996
- Sergeant at Arms Committee, AANS, Philadelphia, 1997
- Instructor, Microvascular Decompression Course - Pittsburgh, May, 1997
- Fellowship in Russian Neurosurgery, September, 1997
- Instructor Ambulatory Care Series, University of Pittsburgh Medical School, 1997
- Instructor Gamma Knife User's Course, University of Pittsburgh, 1997
- Instructor Spine Surgery Hands On, University of New Mexico, 1998
- Instructor Xenon/CT CBF: When, Why, and How, University of Pittsburgh, 1999
- Editor, Young Neurosurgeons' Newsletter- publication of AANS/CNS
- Secretary, Young Neurosurgeons' Committee for the AANS, 1998-2000
- Co-Editor, Neurosurgical Focus, April 2001: Bone Fusion
- Co-Director Springfield Think First Chapter, July, 2001-June, 2002
- Vice-Chairman, Young Neurosurgeons' Committee for the AANS, 2001-2003
- Chairman, Young Neurosurgeons' Committee for the AANS, 2003-2005
- Topic Editor, The Spinal Column in: Spineuniverse.com- Present
- Editor, Video Productions in: Spineuniverse.com-Present
- Editor, Workplace Health Newsletter, 2003
- CNS International Fellowship Committee, 2002-Present
- Director of Exhibits for CNS/AANS Joint Spine Section, 2003-2005
- Invited reviewer J Neurosurgery/Neurosurgery Focus: Trigeminal Neuralgia, 2005
- Director, Advances in Brain and Spine Surgery, St Petersburg, Russia, 2005
- Scientific Program Chairman AANS/CNS Joint Spine Section, 2006

Faculty Appointments:

Instructor of Neurological Surgery, Tufts University School of Medicine, Boston, Massachusetts, July, 2000-June, 2002

Hospital Privileges and Affiliations:

- |   |                        |
|---|------------------------|
| Baystate Medical Center, Springfield, Massachusetts | July, 2000- July, 2002 |
| Mercy Medical Center, Springfield, Massachusetts    | July, 2000- July, 2002 |
| Holyoke Hospital, Holyoke, Massachusetts            | July, 2000- July, 2002 |
| St. Francis Medical Center, Trenton, New Jersey     | August, 2002- Present  |
| Hunterdon Medical Center, Flemington, New Jersey    | August, 2002- Present  |
| Capital Health System, Trenton, New Jersey          | August, 2002- Present  |
| Princeton Medical Center, Princeton, New Jersey     | August, 2002- Present  |
| Centra State Medical Center, Freehold, New Jersey   | November, 2003-Present |
| St Mary Medical Center, Langhorne, PA               | March, 2005-Present    |

*Publications in Refereed Journals:*

1. Grady S, **McLaughlin M**, Christman C, Valadka A, Flinger C, Povlishock T: The Use of Antibodies Targeted Against the Neurofilament Subunits for the Detection of Diffuse Axonal Injury in Humans. *J of Neuropath and Exp Neurol* 52(2):143-152, 1995.
2. Kondziolka D, **McLaughlin MR**, Kestle JRW: Simple Risk Predictions for Arteriovenous Malformation Hemorrhage. *Neurosurgery* 37:5, 851-855, 1995.
3. **McLaughlin MR**, Jho HD, Kwon Y. Acute Subdural Hematoma Caused by a Ruptured Giant Intracavernous Aneurysm. *Neurosurgery* 38:2: 388-392, 1995.
4. **McLaughlin MR**, Pizzi FJ. "Sympathy Pains" in Carpal Tunnel Syndrome. *ACTA Neurochirurgica* 138: 1094-1098, 1996.
5. **McLaughlin MR**, Marion DM. Cerebral blood flow and vasoresponsivity within and around contusions. *J Neurosurg* 85:871-876, 1996.
6. Jho HD, Carrau RL, **McLaughlin MR**, Somaza S. Endoscopic Transsphenoidal resection of a large chordoma in posterior fossa: Case Study. *Neurosurgical Focus* 1 (1) Art 3, 1996.
7. **McLaughlin MR**, Marion DW. The Use of Xenon Cerebral Blood Flow Computed Tomography to Evaluate Perfusion and Vasoresponsivity of Cerebral Contusions. *Acta Neurol Scand*, 165:117, 1993.
8. Resnick DK, **McLaughlin MR**, Albright AL. Primary endodermal sinus tumor presenting with spinal cord compression. *J Neurosurg* 86:151-153, 1997.
9. **McLaughlin MR**, Wahlig JB, Pollack IF. The incidence of postlaminectomy kyphosis after Chiari decompression. *Spine* 22(6); 613-617, 1997.
10. **McLaughlin MR**, Purighalla V, Pizzi FJ. Cost advantages of rigid internal fixation for the treatment of cervical radiculopathy. *Surg Neurol* 48:560-565, 1997.
11. Comey CH, **McLaughlin MR**, Moossy JJ. Anterior thoracic corpectomy without sternotomy: A strategy for malignant disease of the upper thoracic spine. *Acta Neurochir* 139:712-718, 1997.
12. **McLaughlin MR**, Gollin SM, Albright AL. Medulloblastoma and Glioblastoma Multiforme in a Patient with Turcot Syndrome. *Surg Neurol* 49:295-301, 1998.
13. Jho HD, Carrau RL, **McLaughlin MR**, Somaza SC. Endoscopic assisted transphenoidal resection of a large chordoma in posterior fossa. *Acta Neurochir* 139:343-348, 1997

14. **McLaughlin MR**, Wahlig JB, Kaufmann AM, Albright AL. Traumatic basilar aneurysm after endoscopic third ventriculostomy: Case Report. *Neurosurg* 41:1400-1404, 1997.
15. **McLaughlin MR**, Subach BR, Lunsford LD, Jannetta PJ. The Department of Neurological Surgery at the University of Pittsburgh: Past, Present, and Future. *Neurosurgery* 42:893-898, 1998.
16. Levy EL, Clyde BL, **McLaughlin MR**, Jannetta PJ: Microvascular decompression of the lateral medulla oblongata for severe refractory neurogenic hypertension. *Neurosurgery* 43:1-9, 1998.
17. **McLaughlin MR**, Kondziolka D, Lunsford LD: The prospective natural history of venous malformations. *Neurosurgery* 43:195-201, 1998.
18. Subach BR, **McLaughlin MR**, Albright AL, Pollack IP: Current management of pediatric atlanto-axial rotatory subluxation. *Spine* 23(20) pp, 1998.
19. Comey CH, **McLaughlin MR**, Jho HD, Lunsford LD, Martinez AJ: Death from a malignant cerebellopontine angle triton tumor despite stereotactic radiosurgery: Case report. *J Neurosurg* 89:653-658, 1998.
20. **McLaughlin MR**, Haid R, Comey CH, Rodts G, Erwood S, Smith CD: Laparoscopic Anterior Lumbar interbody fusion: Technique and Preliminary Results. *Contemporary Neurosurgery* Vol 20 (19) 1998.
21. Wahlig JB, **McLaughlin MR**, Burke JP, Marion DW: The role of xenon-enhanced computed tomographic in the management of a traumatic carotid-cavernous fistula: A case report. *J Trauma* Vol 46 (1) 1998.
22. **McLaughlin MR**, Clyde BL, Subach BR, Jannetta PJ, Microvascular decompression of cranial nerves: Lessons learned after four thousand four hundred operations: Technical Note. *J Neurosurg* 90:1-8, 1999.
23. Kondziolka D, Lunsford LD, Flinkenger J, Rutigliano MR, **McLaughlin MR**: Radiosurgery for acoustic neuromas: Long term outcomes after radiosurgery for acoustic tumors. *NEJM* 239(20) 1426-1433, 1998.
24. Kondziolka D, Mori Y, Martinez AJ, **McLaughlin MR**, Flinkinger JC, Lunsford LD: Beneficial effects of the radioprotectant 21-Aminosteroid U-74389G in a radiosurgery rat malignant glioma Model. *Int. J. Radiation Oncology Biol. Phys.*, Vol. 44, 1:179-184, 1999.

25. Subach BR, Morone MA, Haid RW, **McLaughlin MR**, Rodts GR, Comey CH: Management of Acute Odontoid Fractures with Single Screw Anterior Fixation. *Neurosurgery* 45:812-820,1999.
26. **McLaughlin MR**, Zhang XJ, Haid RW, Rodts GE, Comey CH: Laparoscopic Anterior Lumbar Interbody Fusion: Technical Note. *Neurosurg Focus* 7(8), 1999.
27. Barnes B, **McLaughlin MR**, Birch B, Rodts GE, Haid RW: Threaded Cortical Bone Dowels for Lumbar Interbody Fusion: Technique and Short-Term Results. *Neurosurg Focus* 7(6), 1999.
28. Schultz, KD, **McLaughlin MR**, Haid RW, Comey CH, Rodts GE: Single Stage Anterior-Posterior Decompression and Stabilization in Complex Cervical Spine Disorders. *J Neurosurg (Spine 2)* 93:214-221, 2000.
29. Shilpakar SK, **McLaughlin MR**, Haid RW, Rodts GE, Subach BR: Management of Acute Odontoid Fractures: Operative Techniques and Complication Avoidance. *Neurosurgical Focus* 8(6): Art 3, 2000.
30. **McLaughlin MR**, Rodts GE, Haid RW, Subach BR: Current Techniques of Image Guided Spine Surgery. *Contemporary Neurosurgery* 22(16):Aug., 2000.
31. **McLaughlin MR**, Haid RW, Rodts GE, Subach BR: Open Anterior Lumbar Interbody Fusion. *Techniques in Neurosurgery* (in press)
32. Rodts GE, Haid RW, **McLaughlin MR**, Subach BR: Neuro-navigation of the spine: Current therapies and Emerging Technology. *Spinal Surgery(Japan)* 14(3):171-182, 2000.
33. Wahlig JB, **McLaughlin MR**, Subach BR, Haid RW, Rodts GE: Management of Low Back Pain. *The Neurologist* 6(6):326-337, 2000.
34. Haid RW, Subach BR, **McLaughlin MR**, Rodts GE, Wahlig JB: C1-C2 Transarticular Screw Fixation for Atlanto-axial Instability: A Six Year Experience. *Neurosurgery* 49:65-70, 2001.
35. Barnes B, Rodts GE, **McLaughlin MR**, Haid RW: Threaded Cortical Bone Dowels for Lumbar Interbody Fusion: Over 1 year mean follow up in 28 patients. *J Neurosurg (Spine 2)* 94:1-4, 2001.
36. Wadie G, Konefal S, Dias M, **McLaughlin MR**. Cervical spondylodiscitis from an Ingested Pin: a case report. *Journal of Pediatric Surgery* 40:593-596, 2005.
37. Jannetta PJ, **McLaughlin MR**, Casey KF: Technique of Microvascular Decompression: Technical Note. *Neurosurg Focus* 18(5):E5, 2005

Literature Publications:

1. **McLaughlin MR**, “The Laser Manifesto”. MD News, March 2009.
2. **McLaughlin MR**, “Voices: Demons in the OR and on the Mat”. Amateur Wrestling News, October 2009.
3. **McLaughlin MR**, “The Addiction to Managed Care”. Medical Economics, November 2009.

Published Abstracts:

1. **McLaughlin MR**, Grady S, Christman C, Valadka A, Fligner C, Povlishock T. Reactive Axonal Change in Traumatically Brain Injured Man: Pathogenesis and Anatomical Distribution. Congress of Neurological Surgeons. October 1992.
2. **McLaughlin MR**, Pizzi FJ. Sympathy Pains in Carpal Tunnel Syndrome. Congress of Neurological Surgeons, October 1994.
3. **McLaughlin MR**, Marion DW. The Adequacy of Blood Flow within and around Cerebral Contusions. Eight Scientific Assembly of the Eastern Association for the Surgery of Trauma. January, 1995.
4. **McLaughlin MR**, Przybylski GJ, Jho, HD. Uncovertebrectomy - An Alternative to Anterior Cervical Discectomy. Spine, Science and Management. November 1994.
5. **McLaughlin MR**, Jho HD, Kwon Y. Survival of Acute Subdural Hematoma in a Patient with a Ruptured Intracavernous Carotid Artery Aneurysm. North American Skull Base Society. November 1995.
6. **McLaughlin MR**, Marion DW. Effect of Hyperventilation on the Blood Flow to Cerebral Contusions and Pericontusional Brain Tissue. Tenth European Congress of Neurosurgery, Berlin, May 1995, Third International Trauma Symposium, Toronto, Canada, July, 1995.
7. Clyde B, **McLaughlin MR**, Gerszten PG, Jho HD. Selective fronto-orbital craniotomy and subfrontal approach for lesions in the anterior skull base. Joint International Congress of Minimally Invasive Techniques in Neurosurgery and Otolaryngology, June, 1995.
8. Gerszten P, Clyde B, **McLaughlin MR**, Jho HD. Criteria in which to judge all minimally invasive neurosurgical techniques. Joint International Congress of Minimally Techniques in Neurosurgery and Otolaryngology, Pittsburgh, PA, June, 1995.
9. Przybylski GJ, **McLaughlin MR**, Jho HD. Anterior microforaminotomy. An alternative

- to anterior cervical discectomy. Eighth Annual International Intradiscal Therapy Society, La Jolla, CA, March, 1995.
10. **McLaughlin MR**, Jannetta PJ, Clyde B, Jho HD, Lovely TJ, Bissonette DJ: Microvascular decompression for non-insulin dependent diabetes mellitus-preliminary results. Congress of Neurological Surgery, San Francisco, CA, October, 1995.
  11. Wahlig J, **McLaughlin MR**, Pollack I. The incidence of post-laminectomy kyphosis after Chiari decompression in children. AANS Joint Section on Spinal and Peripheral Nerve Disorders, Orlando, FL.
  12. **McLaughlin MR**, Wahlig J, Kaufmann A, Albright AL: Complications of Endoscopic 3rd ventriculotomy. North American Skull Base Society, San Diego, Ca, July, 1996.
  13. Kaufmann A, Yonas H, **McLaughlin MR**, Wehner, Williams. Preoperative Evaluation of Ultra-Small Cerebral Aneurysms with Computerized Tomographic Angiography. CNS, Montreal, Canada, September 28 - October 2, 1996.
  14. Clyde BL, **McLaughlin MR**, Jho HD, Jannetta PJ, Lovely TJ. Microvascular Decompression for Severe Refractory Neurogenic hypertension. Congress of Neurological Surgeons, Montreal, Canada, September 1996.
  15. **McLaughlin MR**, Shultz, Albright, AL. The Operative Management of All Epidural Hematomas. Congress of Neurological Surgeons, October, 1996.
  16. Witham TF, **McLaughlin MR**, Resnick DK, Marion, DW. The Use of Air Ventriculogram in Trauma Patients Requiring Emergent Thoracotomy or Laparotomy Prior to Computed Tomography, AANS, April 1997.
  17. **McLaughlin MR**, Kondziolka D, Lunsford S, Lunsford LD. The prospective long term natural history of venous malformations. AANS, Philadelphia, April 27, 1998.
  18. Subach BR, **McLaughlin MR**, Albright AL. Current Management of Pediatric Atlantoaxial Rotatory Subluxation. CNS, Seattle, WA, Oct., 1998.
  19. Kondziolka D, Mori Y, Martinez AJ, **McLaughlin MR**, Flickinger JC, Lunsford LD: Beneficial Effects of the Radioprotectant 21-Aminosteroid U-74389G in a Radiosurgery Rat Malignant Glioma Model. CNS, Sept, 1998.
  20. Subach BR, Haid RW, Rodts GR, **McLaughlin MR**, Comey CH, Morone MA. Management of Acute Odontoid Fractures with Single Screw Anterior Fixation. AANS/CNS Section on Spine and Peripheral Nerve Disorders,
  21. **McLaughlin MR**, Subach BR, Haid RW, Rodts GE. C1-C2 Transarticular Screw Fixation for Atlantoaxial Instability: a six year experience. AANS, San Francisco, CA,

April, 2000.

22. Barnes B, **McLaughlin MR**, Rodts GE, Haid RW. Early Results Using the Atlantis Anterior Cervical Plate System. International Meeting of Applied Spine Therapeutics, Barcelona, Spain, July, 2000.

*Presentations at Scientific Meetings:*

1. **McLaughlin MR**, Grady S, Christman C, Valadka A, Fligner C, Povlishock T. Reactive Axonal Change in Traumatically Brain Injured Man. Pathogenesis and Anatomical Distribution. Congress of Neurological Surgeons. October 1992.
2. **McLaughlin MR**, Marion DW. The Adequacy of Blood Flow Within and Around Cerebral Contusions. Eighth Scientific Assembly of the Eastern Association for the Surgery of Trauma. January. 1995.
3. **McLaughlin MR**, Przybylski GJ, Jho HD. Uncovertebrectomy-An Alternative to Anterior Cervical Discectomy. Spine, Science and Management. New Orleans, LA, November 1994.
4. **McLaughlin MR**, Marion DW. Effect of Hyperventilation on the Blood Flood to Cerebral Contusions and Pericontusional Brain Tissue. American Association of Neurological Surgery, April 1995. Tenth European Congress of Neurosurgery, Berlin, May 1995.
5. **McLaughlin MR**, Marion DW. The Use of Xenon Cerebral Blood Flow Computed Tomography to Evaluate Perfusion and Vasoresponsivity of Cerebral Contusions. Third International Congress on Xenon/CT, Aarhus, Denmark, June, 1995.
6. **McLaughlin MR**, Purighalla V, Pizzi FJ. The use of rigid internal fixation for cervical radiculopathy. Joint Section on Disorders of the Spine and Peripheral Nerve Annual Meeting, Orlando, FL, March, 1996.
7. **McLaughlin MR**, Subach BR, Lunsford LD, Jannetta PJ. The Department of Neurological Surgery at the University of Pittsburgh: Past, Present, and Future. Society of Neurological Surgeons, Pittsburgh, May, 1997.
8. **McLaughlin MR**, Kondziolka D, Lunsford S, Lunsford LD: The prospective long term natural history of venous malformations. AANS, Philadelphia, April, 1998.
9. **McLaughlin MR**, Cervical Spondylotic Myelopathy. CNS, Boston September, 2005

*Invited Speaker:*

1. **McLaughlin MR**: Reactive Axonal Change in Traumatically Brain Injured Man. The

- Basic Science of Head Injury. Richmond, VA, May, 1992.
2. **McLaughlin MR:** Neurogenic Hypertension - What is known? Microvascular Decompression Symposium, Pittsburgh, PA, October 1994.
  3. **McLaughlin MR:** Epidural hematoma, Diffuse Axonal Injury, and Intracerebral Contusions - Clinical overview and experimental insights. Benedum Pediatric Trauma Series, Pittsburgh, PA, October, 1995.
  4. **McLaughlin MR:** Overview of Pediatric Head Injury - University of Pittsburgh Neurosurgery Care Series, January, 1996.
  5. **McLaughlin MR:** Cerebral Blood Flow in Traumatic Brain Injury. Pathophysiology of Secondary Brain Injury and Implications for Contemporary Treatment. Head Injury Center Directors Meeting, Pittsburgh, PA, May 17 - 18, 1996.
  6. **McLaughlin, MR:** Microvascular Decompression for Trigeminal Neuralgia: Technique, Results, and Complication Avoidance. Second Field Hospital, St. Petersburg, Russia. September, 1997.
  7. **McLaughlin, MR:** The Use of Xenon CT Cerebral Blood Flow in Trauma, Xenon Cerebral Blood Flow: The Pittsburgh Way. Pittsburgh, PA. February 28, 1999.
  8. **McLaughlin, MR:** The History of Neurosurgical Trauma, New Orleans, AANS Breakfast Seminar. April 29, 1999.
  9. **McLaughlin, MR:** Lumbar Interbody Devices: Boon or Boondoggle? Neurosurgery Grand Rounds, Washington University, St. Louis, Missouri, October, 1999.
  10. **McLaughlin, MR:** Neurosurgery in Russia. Neurosurgery Grand Rounds, Emory University, Atlanta, Georgia, May, 2000.
  11. **McLaughlin MR:** Bone Grafting Techniques. World Federation of Neurological Surgeons Cervical Spine Symposium, St. Petersburg, Russia, May, 2000.
  12. **McLaughlin MR:** Interlaminar Clamp Fixation. World Federation of Neurological Surgeons Cervical Spine Symposium, St. Petersburg, Russia, May, 2000.
  13. **McLaughlin MR:** Neurosurgery behind the Iron Curtain, Baystate Medical Center Nursing Education Series, Springfield, Massachusetts, January, 2001
  14. **McLaughlin MR:** Thoracolumbar Stabilization Techniques, Baystate Medical Center Grand Rounds, February, 2001.
  15. **McLaughlin MR:** Current Concepts in Spinal Fusion Techniques, Holyoke Medical

- Center Grand Rounds, April, 2001.
16. **McLaughlin MR:** “Oh My Aching Back” Baystate Medical Center’s Spirit of Women Lecture Series, Holyoke, Massachusetts, April, 2001.
  17. **McLaughlin MR:** Posterior Lumbar Interbody Fusion Techniques, Complications in Lumbosacral Fusion, Memphis, Tennessee, April, 2001.
  18. **McLaughlin MR:** Surgical Management of Low Back Pain, AANS/CNS Joint Spine and Peripheral Nerve Meeting, Orlando, Fla, February, 2002.
  19. **McLaughlin MR:** Treatment of degenerative and traumatic diseases of the cervical spine, Academy of Operating Room Nurses, Springfield , Massachusetts, March, 2002.
  20. **McLaughlin MR:** Posterior Approaches for Lumbar Fusion, American Association of Neurological Surgeons, Chicago, April, 2002.
  21. **McLaughlin MR:** C1-C2 Transarticular Screw Fixation for Atlanto-axial instability, St. Petersburg Association of Neurological Surgeons, St. Petersburg, Russia, July, 2002.
  22. **McLaughlin MR:** Image-Guided Spine Surgery, St. Petersburg Association of Neurological Surgeons, St. Petersburg, Russia, July, 2002.
  23. **McLaughlin MR:** Minimally Open Anterior Lumbar Interbody Fusion, AANS/CNS Joint Spine Section Meeting, Tampa, Florida, March, 2003.
  24. **McLaughlin MR:** Posterior Lumbar Interbody Fusion: Technique and Results, Fundamentals in Lumbar Spine Surgery, Memphis, June, 2003.
  25. **McLaughlin MR:** Anterior Lumbar Interbody Fusion: Anatomy and Surgical Approach, Fundamentals in Lumbar Spine Surgery, Memphis, June, 2003.
  26. **McLaughlin MR:** Posterolateral Fusion: Indications, Technique and Pearls Spine Focus, NYC, December, 2003.
  27. **McLaughlin MR:** Neck Pain and Advances in Spine Surgery, St. Francis Business to Business Connection, October, 2003.
  28. **McLaughlin MR:** Management of the Head Injured Patient, St. Mary Nurses Lecture Series, September, 2005.
  29. **McLaughlin MR:** Open Transforaminal Lumbar Interbody Fusion Technique, Spinal Focus, New York City, December 2005.

Invited Chapters:

1. Marion D, Firlirk A, **McLaughlin MR**: Hyperventilation therapy for traumatic brain injury. *New Horizons: The Science and Practice of Acute Medicine* Vol 3 (4), 1995.
2. Jannetta PJ, **McLaughlin MR**, Barker FG II, Kalia KK: Microvascular Decompression for Hemifacial Spasm. In May (ed) *The Facial Nerve*, Thieme Publications, 1996.
3. Jannetta PJ, **McLaughlin MR**, Microvascular Decompression for Hemifacial Spasm. In *Surgical Treatment of Movement Disorders*, AANS, Minneapolis, 1997.
4. **McLaughlin MR**, Jannetta PJ: Microvascular Decompression and Rhizotomy for Trigeminal Neuralgia. In Bajter (ed) *Techniques in Neurosurgery*. (In Press).
5. Jannetta PJ, **McLaughlin MR**: Microvascular Decompression for hemifacial spasm: History, Technique, Results. In *Surgery of the Cranial Nerves*. Jannetta (ed) Thieme Publications, NY, 1998.
6. Haid RW, **McLaughlin MR**: Neurosurgery of the spine in the Year 2001: A four year review. *Clinical Neurosurgery* 45, 1998.
7. **McLaughlin MR**, Jannetta PJ: Microvascular Decompression for treatment of Hemifacial Spasm. In *Movement Disorders Surgery*. Krauss JK, Jankovic J, Grossman RG, Lippincott Williams and Wilkins Philadelphia, PA 1999.
8. **McLaughlin MR**, Jho HD, Anterior Cervical Discectomy with and without Fusion. In *Textbook of Neurological Surgery*. Batjer HH, Loftus CM, Lippincott-Raven Publishers, Philadelphia, PA 1999.
9. **McLaughlin MR**, Haid R, Birch B: Threaded Bone Dowels. In *lumbar Interbody Fusion Techniques: Cages, Dowels and Grafts*. Haid RW, McLaughlin MR, Fessler R, Quality Medical Publishing, St. Louis, MO, 2003.
10. **McLaughlin MR**, Tang G, Modic M, Rauchning W: Pathophysiology of Degenerative Disc Disease. In Haid RW, McLaughlin MR, Fessler R, Quality Medical Publishing, St. Louis, MO, 2003.
11. **McLaughlin MR**, Haid RW, Rodts GE, Subach BR: Overview of Frameless Stereotactic Techniques for Lumbar Spine Surgery. In: *Seminars in Neurological Surgery*, Paramore (ed) 11(2):165-176, 2000.
12. **McLaughlin MR**, Haid RW, Rodts GE, Miller JS: The Current Role of Anterior Lumbar Interbody Fusion in Lumbar Spine Disorders. . In: *Seminars in Neurological Surgery*, Paramore (ed).11(2):221-229, 2000.
13. **McLaughlin MR**, Haid RW, Rodts GE, Subach BR: Posterior Lumbar Interbody Fusion:

- Indications, Technique, and Results. In (Howard, ed.) Clinical Neurosurgery. Vol. 47, Baltimore, Williams and Wilkins, 2000, pp 514-527.
14. Rodts GE, **McLaughlin MR**, Haid RW: Laparoscopic Anterior Lumbar Interbody Fusion. Clinical Neurosurgery 2000.
  15. Barnes B, **McLaughlin MR**, Rodts G, Haid RW: PLIF and Impacted PLIF. In (Resnick, Haid, ed) Surgical Management of Low Back Pain, AANS, Rolling Meadows, IL, 2001.
  16. **McLaughlin, MR**, Bartolomei J: Overview of Spinal Navigation in Progress of Neurological Surgery, eds. Haid, Subach, Rodts, Basel, Karger, 16(1-13), 2003.

*Invited Faculty:*

1. Faculty, "Minimally Invasive Surgery in Elite Athletes", MMA World Expo, Jacob K. Javits Convention Center, New York City, NY, October 24, 2009.
2. Faculty, AO North America Orthopaedic.Spine Bioskills Workshop, University Medical Center at Princeton, Princeton, NJ, April, 2009.
3. Faculty, Shaping Neurosurgery's Future: A Global Enterprise, AANS Annual Meeting, San Diego, CA, May, 2009.
4. Faculty, Disorders of the Spine, 25<sup>th</sup> Annual Meeting of the AANS/CNS Section, Phoenix, AZ, March 2009.
5. Course Director, Spine on the Mountain, Vail, CO, February, 2009.
6. Speaker, 2008 Neurotrauma Symposium, Langhorne, PA, October, 2008.
7. Course Director, Cervical Spine Surgery, NASS, Toronto, Canada, October, 2008.
8. Speaker, Medical Economics, CNS, Orlando, FL, September, 2008.
9. Speaker, A Surgical Approach to Treatment of Acute Ischemic Stroke, Stroke Grand Rounds, Capital Health System, Trenton, NJ, April 17, 2008.

10. Speaker, Trigeminal Neuralgia Presentation, Trigeminal Neuralgia Association, Philadelphia, PA, September 27, 2008.
11. Director, Spine on the Mountain, Vail, CO, February, 2008.
12. Director, Minimally Invasive Spine Surgery, CNS/AANS Joint Spine Section, Orlando, FL, February, 2008.
13. Speaker, 2007 Neurotrauma Symposium, Langhorne, PA, November, 2007.  
Director, Cervical Arthroplasty, Hartford, CT, 2007.
14. Surgical Decision Making and Technological Advancements in Spine Surgery, Stryker, Chatham MA, May 2006
15. Moderator, Cervical Spondylotic Myelopathy, CNS, Boston, September, 2005
16. Moderator, General Scientific Session, CNS, Boston, September, 2005
17. Director, Advances in Brain and Spine Surgery, St Petersburg, Russia, August, 2005
18. Thoracolumbar Stabilization Techniques, AANS, New Orleans, 2005
19. Director, Fast Track Residents/Fellows course, NASS, Chicago, October, 2004
20. Director, Cervical Spine Instability Course, AANS, Orlando, May, 2004.
21. Spine Focus, NY, NY, December, 2003.
22. Spine Science and Management, New Orleans, November, 2003.
23. Director, Spine Fast Track Course, Denver, October, 2003.
24. Fundamentals in Lumbar Spine Surgery, Memphis, TN, June, 2003.
25. Comprehensive Review of Cervical and Lumbar Interbody Fusion, Tampa, FL, 2003.
26. Current Techniques in Lumbosacral Fixation, Dallas, TX, October, 2002.
27. Cervical Spine Study Group, San Antonio, TX, May, 2002.
28. Complications in Lumbo-Sacral Fixation, Memphis, TN, April, 2001.
29. Basics of Spine Surgery, Phoenix, AZ, February, 2001.

CURRICULUM VITAE

Mark Robert McLaughlin, MD

30. Thoracic and Lumbar Stabilization and Fusion, Toronto, Canada, April, 2001.
31. Interbody Fusion Techniques, Toronto, Canada, April, 2001.
32. Russian American Spine Symposium, St Petersburg, Russia, May, 2000.
33. Innovations in Minimally Invasive Spine Surgery, Naples, Florida, May, 2000.

Visiting Professor:

1. Visiting Professor, St. Gertrude's Hospital, Berlin, German, August, 2008
2. University of Buffalo, October, 2007.
3. Medical College of Virginia, October, 2006.

Editorial Board Appointments:

1. Journal of the Spinal Research Foundation, November, 2007 to present.
2. Spine Universe, June, 2000 to present.

Video Productions:

1. **McLaughlin MR**, Haid RW: Long segment posterior cervical fusion. CNS, San Antonio, 2000.
2. **McLaughlin MR**, Haid RW: Occipital Cervical Fusion. CNS, San Antonio, 2000.
3. **McLaughlin MR**, Haid RW, Comey CH: C1-C2 transarticular screw fixation, SpineUniverse, 2000.

Books:

1. **McLaughlin MR**, Haid RW, Rodts GE: Atlas of Cervical Spine Surgery, Elsevier, Philadelphia, 2005.
2. Haid RW, **McLaughlin MR**, Fessler(eds.): Lumbar Interbody Fusion, Quality Medical Publishing, St Louis, 2003.

Grants:

1. Co-Investigator “Radiosurgical radiobiology of normal and neoplastic brain. Principle investigator: Douglas Kondziolka. NIH K08, Total \$449,000.
2. Principle Investigator “Russian Neurosurgery Initiative.” Principle Investigator: **Mark McLaughlin. \$10,000.**