

Matthew F. Lawson, M.D., F.A.A.N.S.

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Current Practice & Academic Appointments

- 2012-present **Tallahassee Neurological Clinic**
Specializing in Endovascular & Cerebrovascular Neurosurgery
- 2012 **University of Florida Department of Neurosurgery**
Clinical Lecturer of Neurosurgery from January 1, 2012 through June 30, 2012
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Board Certification

- 2015 **Diplomate, American Board of Neurological Surgery**
Ten year certification, active participant in the ABNS MOC program Certificate 35149
- 2016 **Subspecialty Certification in Neuroendovascular Surgery**
Ten year certification from the Society of Neurological Surgeons Committee on Advanced
Subspecialty Training, active participant in the CAST MOC program CAST: NES: 050
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Education

- 2000-2004 **University of Florida College of Medicine**
M.D., *cum laude*
- 1996-2000 **Harvard University**
A.B., Biochemical Sciences, *magna cum laude*
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Postgraduate Training

- 2006-2011 **University of Florida Department of Neurological Surgery**
Resident in Neurosurgery (PGY-3 through PGY-8)
Enfolded 18-month neuroendovascular fellowship under Drs. Brian Hoh, J Mocco, and Chris Firment
- 2004-2006 **University of Florida Department of Surgery**
Intern in General Surgery (PGY-1)
Basic Surgery Resident (PGY-2)
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Leadership Experience

- 2015-present **Florida Center for Brain Tumor Research Board Member**
This committee oversees the Florida Center for Brain Tumor Research at the University of Florida.
- 2013-present **TMH Surgical Performance Review Committee Member**
This committee reviews surgical case complications and quality measures to improve quality of care.
- 2013-present **FEAT Trial – Data Safety Monitoring Board**
This committee reviews safety data for the FEAT trial (NCT01655784).

- 2012 **UF Department of Neurosurgery Quality Officer**
As Clinical Lecturer, I also served as the departmental Physician Director of Quality.
- 2012 **Florida Neurosurgical Society Board Member**
Elected *Member at Large* for the FNS board at the 2011 annual meeting.
- 2010-2013 **CNS Delegate to the Council of State Neurosurgical Societies**
After participating as a Socioeconomic Fellow, I have served as a CNS delegate to the CSNS.
- 2010-2011 **UF Department of Neurosurgery Research Committee**
This committee was formed to review departmental research priorities and encourage resident participation in neurosurgical research.
- 2007-2008 **UF Department of Neurosurgery Handoff Committee**
This committee was formed to review our patient handoff and communication issues to improve the quality of patient care by facilitating information transfer between day and night call teams.
- 2003-2004 **College of Medicine Medical Selection Committee**
As one of eleven senior students on the selection committee, I interviewed applicants, represented them at committee meetings, and voted on offers of admission.
- 2002-2004 **College of Medicine Curriculum Committee**
This group, composed of ten faculty members and two students, meets on a monthly basis and advised the dean on all aspects of the curriculum for medical students.
- 2001-2004 **Academic Chair of the Class of 2004**
As the Academic Chair I functioned as the class president, which included chairing class officer meetings, organizing course debriefings, and representing class interests to the faculty.
- 2002-2003 **MS3 Clinical Rotation Group Leader**
I coordinated the schedule for my rotation group of 10 students and served as the liaison between the students and our course directors and faculty.
- 2001-2002 **President, Emergency Medical Student Association**
Organized interest group meetings, hands on skills clinics, and travel to regional and national Emergency Medicine conferences.
- 2001-2002 **Health Care Issues Day (HCID) Committee Member**
HCID is a medical student run annual event at UF with an operating budget of about \$14,000. I helped recruit and coordinate speakers and raised over \$2,000 in funding.
- 2000-2001 **Class of 2004 Finance Committee Member**
Served on the committee designated to manage and invest the class savings.
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Awards and Honors

- 2011 **Synthes Cerebrovascular Award**
On behalf of the CNS for my paper, entitled, "Treatment Benefit of Clipping or Coiling Small Unruptured Intracranial Aneurysms: Age Stratified Risk Curves Calculated from 14,050 Patients in the Nationwide Inpatient Sample Database."
- 2010-2011 **Outstanding Resident Teaching Award**
Recognition for excellence in teaching colleagues and medical students, on behalf of the University of Florida Society of Teaching Scholars.
- 2010 **Charles "Chuck" Shank, M.D. Award**
In Recognition of Professionalism in Neurosurgery.
- 2010 **U.F. Neurosurgery Research Award**
Recipient of the *Resident Research Award* for an original research project entitled "The Effect of Stent Remodeling on Progressive Aneurysm Occlusion," at the *U.F. Neurosurgery 2010* conference.

- 2009-2010 **CSNS Socioeconomic Fellowship**
Participation in Council of State Neurosurgical Societies meetings in 2009 and 2010.
- 2004 **F. Eugene Tubbs, M.D., J.D. Memorial Award**
In recognition of outstanding scholastic performance and leadership.
- 2003 **Alpha Omega Alpha**
Elected to the Beta Chapter of AOA during my fourth year of medical school.
- 2003 **Chapman Chapter of the Gold Humanism Honor Society**
Co-chairman, elected to the society during my fourth year of medical school.
- 2001 **J. Robert Cade Award for Physiology**
For the highest grade in Medical Physiology.
- 1999 **John Harvard Scholarship**
For Academic Excellence of the Highest Distinction during the 1998-1999 academic year.
- 1998 **Harvard College Scholarship**
For Academic Excellence in the 1997-1998 academic year.
- 1996-2000 **Robert C. Byrd Honorary Scholarship**
Four-year merit based scholarship for academic excellence.
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Peer-Reviewed Publications

- 2013 Fargen KM, Velat GJ, Lawson MF, Firment CS, Mocco J, Hoh BL. **Enhanced staff communication and reduced near-miss Errors with a neurointerventional procedural checklist.** J Neurointerv Surg. 2013 Sep 1;5(5):497-500. [Epub ahead of print 2012]
- 2012 Lawson MF, Velat GJ, Fargen KM, Hoh BL, Mocco J. **Direct Radial Artery Access with the 070 Neuron Guide Catheter for Aneurysm Coiling: A Novel Application of the Neuron Catheter for Cerebral Interventions.** Neurosurgery. 2012 Dec;71(2 Suppl Operative).
- 2012 Fargen KM, Velat GJ, Lewis SB, Hoh BL, Mocco J, Lawson MF. **Concomitant intracranial pressure monitoring during venous sinus stenting for intracranial hypertension secondary to venous sinus stenosis: case report.** J Neurointerv Surg. 2013 Jul;5(4). Epub 2012 Jun 27.
- 2012 Fargen KM, Velat GJ, Lawson MF, Khanna AY, Hoh BL, Mocco J. **Flow Failure from Intracranial Atherosclerotic Disease: A Rationale for Endovascular Intervention in a Population with Recurrent Symptoms Despite Maximal Medical Therapy.** J Neurointerv Surg. 2013 Jul;5(4):e17. Epub 2012 Jun 3.
- 2012 Fargen KM, Velat GJ, Lawson MF, Hoh BL, Mocco J. **The Stent Anchor Technique for Distal Access Through a Large or Giant Aneurysm.** J Neurointerv Surg. 2013 Jul;5(4):e24. Epub 2012 Apr 27.
- 2012 Lawson MF, Neal D, Mocco J, Hoh BL. **Rationale for Treating Small Unruptured Intracranial Aneurysms: Actuarial Analysis of Natural History Risk versus Treatment Risk for Coiling or Clipping Based on 14,050 Patients in the Nationwide Inpatient Sample Database.** World Neurosurg. 2013 Mar-Apr;79(3-4):472-8. Epub 2012 Jan 26.
- 2012 Fargen KM, Velat GJ, Lawson MF, Mocco J, Hoh BL. **A Review of Reported Complications Associated with the Pipeline Embolization Device.** World Neurosurg. 2012 Mar-Apr;77(3-4):403-4. Epub 2012 Feb 11.
- 2012 Fargen KM, Velat GJ, Lawson MF, Ritchie CA, Firment C, Hoh BL, Bennett JA, Mocco J. **Occurrence of Angiographic Femoral Artery Complications After Vascular Closure with Mynx and AngioSeal.** J Neurointerv Surg. 2013 Mar;5(2):161-4. Epub 2012 Jan 21.

- 2011 Velat GJ, Fargen KM, **Lawson MF**, Hoh BL, Fiorella D, Mocco J. **Delayed Intraparenchymal Hemorrhage Following Pipeline Embolization Device Treatment for a Giant Recanalized Ophthalmic Aneurysm.** *J Neurointerv Surg.* 2012 Sep;4(5):e24. Epub 2011 Sep 27.
- 2011 **Lawson MF**, Newman WC, Chi Y, Mocco JD, Hoh BL. **Stent-Associated Flow Remodeling Causes Further Occlusion of Incompletely Coiled Aneurysms.** *Neurosurgery.* 2011 Sep;69(3):598-603; discussion 603-4.
- 2011 Waldau B, Reavey-Cantwell JF, **Lawson MF**, Jahshan S, Levy EI, Siddiqui AH, Mocco J, Hoh BL. **Intentional Partial Coiling Dome Protection of Complex Ruptured Cerebral Aneurysms Prevents Acute Rebleeding and Produces Favorable Clinical Outcomes.** *Acta Neurochir (Wien).* 2012 Jan;154(1):27-31. Epub 2011 Nov 9.
- 2010 **Lawson MF**, Hoh BL. **Clipping Versus Coiling: The Total Hospital Cost of Aneurysm Treatment.** *World Neurosurgery.* May 2010;73(5):430-1.
- 2010 **Lawson MF**, Fautheree GL, Waters MF, Decker DA, Mocco JD, Hoh BL. **Acute Intra-procedural Thrombus Formation During Wingspan Intracranial Stent Placement for Intracranial Atherosclerotic Disease.** *Neurosurgery.* Sept 2010;67(3 Suppl Operative):166-70.
- 2010 **Lawson MF**, Chi Y, Mocco JD, Hoh BL. **Timing of Aneurysm Surgery: The International Cooperative Study Revisited in the Era of Endovascular Coiling.** *Journal of Neurointerventional Surgery.* 2010; 2:131-134.
- 2009 Hoh BL, Chi Y, **Lawson MF**, Mocco JD, Barker FG. **Length of Stay and Total Hospital Charges of Clipping Versus Coiling for Ruptured and Unruptured Adult Cerebral Aneurysms in the Nationwide Inpatient Sample Database 2002 to 2006.** *Stroke.* Feb 2010; 41(2):337-42. Epub 2009 Dec 31.
- 2009 Velat GJ, **Lawson MF**, Hoh BL, Mocco JD. **Novel Application of an Intermediate Sized Bridging Catheter as an Adjunct to Aneurysm Coiling in Patients with Tortuous Vasculature.** *Interventional Neuroradiology.* Dec 2009;15(4):448-52. Epub 2009 Dec 28.
- 2005 Kreithen J, Caffee H, Rosenberg J, Chin G, Clayman M, **Lawson M**, Seagle M. **A Comparison of the Lejour and Wise Pattern Methods of Breast Reduction.** *Annals of Plastic Surgery.* 2005;54(3): 236-242.
- 1998 **Lawson M.** **Homocysteine and Atherothrombosis.** *The New England Journal of Medicine.* 339.7 (1998): 477-478.
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Invited Reviews, Commentaries, and Book Chapters

- 2012 Kim YW, **Lawson MF**, Hoh BL. **Nonaneurysmal Subarachnoid Hemorrhage: An Update.** *Curr Atheroscler Rep.* 2012 May 26. [Epub ahead of print].
- 2011 **Lawson MF**, Velat GJ, Fargen KM, Mocco J, Hoh BL. **Interventional neurovascular disease: avoidance and management of complications and review of the current literature.** *J Neurosurg Sci.* 2011 Sep;55(3):233-42.
- 2011 **Lawson MF** and Hoh BL. **Cross-circulation techniques for endovascular revascularization of acute stroke.** *World Neurosurg.* 2012 Feb;77(2):300-1. Epub 2011 Nov 7.
- 2011 **Lawson MF**, Enneking FK, Mocco J. **Quality Improvement and Neurocritical Care.** *Textbook of Neurointensive Care*, 2nd Edition, by Layon, Gabrielli, and Friedman. Philadelphia. Saunders. In preparation.
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Invited Lectures, Oral Presentations, and Posters

- 2016 **“Hemorrhagic Stroke – SAH and ICH”**
Invited lecture at the Tallahassee Memorial Healthcare Neuroscience Symposium, June 2016.
- 2016 **“Brain Tumor Update”**
Invited lecture at the Tallahassee Memorial Healthcare Neuroscience Symposium, June 2016.
- 2016 **“Research Initiatives and Quality Initiatives in Neurosurgery”**
Invited lecture at the Tallahassee Memorial Healthcare Neuroscience Symposium, June 2016.
- 2015 **“Stroke Update 2015 – Validation of Thrombectomy”**
Invited lecture at the Tallahassee Memorial Cardiovascular Symposium, 2015.
- 2015 **“Endovascular Treatment of Brain Aneurysms”**
Invited lecture at the Systemic Diseases and the Eye annual meeting, 2015.
- 2014 **“Advances in Neurovascular Intervention: Stroke”**
Invited lecture at the Tallahassee Memorial Cardiovascular Symposium, 2014.
- 2014 **“Pseudotumor Cerebrii”**
Invited lecture at the Systemic Diseases and the Eye annual meeting, 2014.
- 2013 **“Advances in Stroke Intervention”**
Invited lecture at the Systemic Diseases and the Eye annual meeting, 2013.
- 2011 **“Quality Metrics in Neurosurgery: You’re being graded and it matters!”**
Invited lecture at the Florida Neurosurgical Society annual meeting, 2011.
- 2011 **“Treatment Benefit of Clipping or Coiling Small Unruptured Intracranial Aneurysms: Age-Stratified Risk Curves Calculated from 14,050 Patients in the Nationwide Inpatient Sample Database”**
Lawson MF, Neal D, Mocco J, Hoh BL.
Oral presentation & Synthes Award Recipient at the CNS 2011 Annual Meeting, October, 2011.
- 2011 **“Socioeconomic Implications of Clipping or Coiling Small Unruptured Intracranial Aneurysms: Age-Stratified Risk Curves, Length of Stay, and Total Charges Calculated from 14,050 Patients in the Nationwide Inpatient Sample Database”**
Lawson MF, Neal D, Mocco J, Hoh BL.
Oral presentation at the CNS 2011 Annual Meeting, October, 2011.
- 2011 **“Age-Stratified Clinical and Socioeconomic Outcomes in Elective Aneurysm Treatment with Clipping or Coiling in the Nationwide Inpatient Sample Database 2008”**
Lawson MF, Hoh BL.
Oral presentation at the *University of Florida Neurosurgery 2011 Conference*, January, 2011.
- 2010 **“Stent Flow Remodeling Causes Spontaneous Complete Occlusion of Incompletely Coiled Aneurysms”**
Lawson MF, Newman WC, Chi Y, Mocco J, Hoh BL.
Oral presentation and top-ten abstract at the CV section of *CNS 2010*.
- 2010 **“The Effect of Stent Remodeling on Progressive Aneurysm Occlusion”**
Lawson MF, Newman WC, Chi Y, Hoh BL.
Oral presentation at the *University of Florida Neurosurgery 2010 Conference*, January, 2010, where I received the *Resident Research Award*.
- 2009 **“Acute Intra-procedural Thrombus Formation During Wingspan Intracranial Stent Placement for Intracranial Atherosclerotic Disease”**
Lawson MF, Fautheree G, Waters M, Decker D, Mocco J, Hoh BL.
Poster presentation at the *CNS 2009 Annual Meeting*, October, 2009.

- 2009 **“Stent Flow Remodeling Causes Progression of Occlusion in Incompletely Coil-Occluded Cerebral Aneurysms”**
Lawson MF, Landa T, Levine J, Hoh BL.
Poster presentation at the *CNS 2009 Annual Meeting*, October, 2009.
- 2009 **“Timing of Aneurysm Surgery: The International Cooperative Study Revisited in the Era of Endovascular Coiling”**
Lawson MF, Shemisa K, Chi Y, Hoh BL.
Poster presentation at the *AANS 2009 Annual Meeting*, May 2009.
- 2009 **“Pharos Neurovascular Intracranial Stent: Elective Use for a Symptomatic Stenosis Refractory to Medical Therapy”**
Mocco J, Darkhabani Z, Lawson MF, Levy E.
Poster presentation at the *AANS 2009 Annual Meeting*, May 2009.
- 2009 **“Enterprise Vascular Reconstruction Device to Salvage Acute Ischemic Occlusions Refractory to Traditional Endovascular Recanalization Methods”**
Mocco J, Hanel R, Hauck E, Snyder K, Linfante I, Lawson M, Siddiqui A, Hopkins LN, Boulos A, Levy E.
Poster presentation at the *AANS 2009 Annual Meeting*, May 2009.
- 2009 **“The Treatment of Vein of Galen Malformations at UF: A Combination of Historic and Modern Modalities”**
Fautheree G, Hoh BL, Firment C, Lawson MF, Whiting J, Velat G, Pincus D.
Oral presentation at the *International Stroke Conference 2009*, February, 2009.
Oral presentation at the *University of Florida Neurosurgery 2009 Conference*, January, 2009.
- 2009 **“Predictors of Aneurysm Recanalization After Endovascular Coil Embolization”**
Lawson MF, Landa T, Levine J, Chi Y, Hoh BL.
Oral presentation at the *University of Florida Neurosurgery 2009 Conference*, January, 2009.
- 2008 **“SSEP Monitoring for Intracranial Aneurysm Clipping: The Florida Experience”**
Lawson MF, Mahla M, Lewis S, Chi Y, Swinson B, Hoh BL.
Oral presentation at the *University of Florida Neurosurgery 2008 Conference*.
Poster presentation at the *CNS 2008 Annual Meeting*, October 2008.
- 2008 **“The University of Florida Department of Neurosurgery Handoff”**
Burdick A, Bandela J, Lawson MF, Lister JR.
Oral presentation at the *University of Florida Neurosurgery 2008 Conference*.
Poster presentation at *University of Florida Research Day 2008*.
- 2007 **“Treatment of Ruptured Wide Neck Aneurysms”**
Hoh BL, Lawson MF
Presented at the ASITN Meeting, Dana Point, California, July 31, 2007.
- 2007 **“Aseptic Meningitis after use of Bovine Pericardium as a Dural Graft”**
Lawson MF, Lewis SB
Presented at the *University of Florida Neurosurgery 2007 Conference*.
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Other Research Activities

- 1998-1999 **Laboratory Assistant**
Center for Blood Research, Harvard Medical School
I worked as a laboratory assistant for Tomas Kirchhausen, Ph.D., as part of a year-long research course. My work was dedicated to developing an efficient eukaryotic expression system and purification technique for a protein called dynamin I.
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College Athletics

- 1998-2000 **Lowell House Intramural Crew Coordinator**
Precluded from rowing due to my spot on the intercollegiate team, I served as coxswain and instructor for the Lowell House team for three years. As a senior, I served as the team coordinator.
- 1997-1998 **Harvard Men's Lightweight Crew**
Rowed for the Harvard Lightweight Crew and competed in the 1998 World Indoor Rowing Championships (C.R.A.S.H.-B. Championships).
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Personal References

1. **William A. Friedman, M.D.**
Professor & Chairman, UF Department of Neurosurgery
2. **Brian L. Hoh, M.D.**
Professor & Associate Chairman, UF Department of Neurosurgery
Program Director for the Endovascular Neurosurgery Fellowship
3. **J Mocco, M.D.**
Professor and Vice Chair for Education
Director, Cerebrovascular Center
Department of Neurological Surgery, Mount Sinai Health System
4. **Christopher Rumana, M.D.**
Neurosurgeon & Chairman of Neurosurgery at Tallahassee Memorial Hospital
Tallahassee Neurological Clinic