

Michael T. Lawton



1986: BS, Brown University

1990: MD, Johns Hopkins University School of Medicine

1990-1991: General Surgery Internship, Johns Hopkins Hospital

1991-1997: Neurosurgical Residency, Barrow Neurological Institute

1994-2000: Adjunct Professor of Biomedical Engineering at Arizona State University

1995-1996: Fellowship in Cerebrovascular/Skull-base Surgery, Barrow Neurological Institute

2008 – 2011: Fellowship in Endovascular Surgery, University of California, San Francisco

Selected Professional Memberships and Appointments

American Association of Neurological Surgeons Congress of Neurological Surgeons Cerebrovascular Section of the AANS and CNS American Academy of Neurological Surgery Western Neurological Society San Francisco Neurological Society Bay Area Stroke Society Selected Honors and Awards 1996: Sigma Xi 1996: Resident Research Award, Rocky Mountain Neurosurgical Society 1997: Resident Research Award, Rocky Mountain Neurosurgical Society 1997: Young Neurosurgeon Award, World Federation of Neurosurgical Societies and International Congress of Neurological Surgery 2005: Harold Rosegay Teaching Award, Department of Neurological Surgery, UCSF 2006: Diane D. Ralston Clinical and Basic Science Teaching Award, Department of Neurological Surgery, UCSF 2007 – Present: Top Doctor, Castle Connolly and American Registry, Boca Raton, FL 2007 – Present: Best Doctors in America, Best Doctors, Aiken, SC 2009 – Present: America's Top Surgeons, Consumers' Research Council of America, Washington, DC 2010 – Present: Guide to America's Top Surgeons, SLD Industries, Simi Valley, CA

Publicaciones como primer autor

1: Lawton MT. Editorial: Middle cerebral artery aneurysms. J Neurosurg. 2013 May;118(5):947-9. doi: 10.3171/2012.9.JNS121606. Epub 2013 Feb 8. PubMed PMID: 23394333.

2: Lawton MT. Selecting therapy for complex aneurysms. World Neurosurg. 2011 Mar-Apr;75(3-4):408. doi: 10.1016/j.wneu.2010.11.026. PubMed PMID: 21600474.

3: Lawton MT, Kim H, McCulloch CE, Mikhak B, Young WL. A supplementary grading scale for selecting patients with brain arteriovenous malformations for surgery. Neurosurgery. 2010 Apr;66(4):702-13; discussion 713. doi: 10.1227/01.NEU.0000367555.16733.E1. PubMed PMID: 20190666; PubMed Central PMCID: PMC2847513.

4: Lawton MT, Quinones-Hinojosa A, Sanai N, Malek JY, Dowd CF. Combined microsurgical and

- endovascular management of complex intracranial aneurysms. *Neurosurgery*. 2008 Jun;62(6 Suppl 3):1503-15. doi: 10.1227/01.neu.0000333814.02649.a0. PubMed PMID: 18695569.
- 5: Lawton MT, Arnold CM, Kim YJ, Bogarin EA, Stewart CL, Wulfstat AA, Derugin N, Deen D, Young WL. Radiation arteriopathy in the transgenic arteriovenous fistula model. *Neurosurgery*. 2008 May;62(5):1129-38; discussion 138-9. doi: 10.1227/01.neu.0000325875.82999.3c. PubMed PMID: 18580811.
- 6: Lawton MT, Sanchez-Mejia RO, Pham D, Tan J, Halbach VV. Tentorial dural arteriovenous fistulae: operative strategies and microsurgical results for six types. *Neurosurgery*. 2008 Mar;62(3 Suppl 1):110-24; discussion 124-5. doi: 10.1227/01.neu.0000317381.68561.b0. PubMed PMID: 18424975.
- 7: Lawton MT, Lu DC, Young WL; University of California, San Francisco Brain Arteriovenous Malformation Study Project. Sylvian fissure arteriovenous malformations: an application of the Sugita classification to 28 surgical patients. *Neurosurgery*. 2007 Jul;61(1):29-36; discussion 36-8. PubMed PMID: 17621016.
- 8: Lawton MT, Narvid J, Quiñones-Hinojosa A. Predictors of neurosurgical career choice among residents and residency applicants. *Neurosurgery*. 2007 May;60(5):934-9; discussion 934-9. PubMed PMID: 17460530.
- 9: Lawton MT. Commentary. Skull Base. 2002 Feb;12(1):17. PubMed PMID: 17167636; PubMed Central PMCID: PMC1654764.
- 10: Lawton MT, Quiñones-Hinojosa A, Jun P. The supratonsillar approach to the inferior cerebellar peduncle: anatomy, surgical technique, and clinical application to cavernous malformations. *Neurosurgery*. 2006 Oct;59(4 Suppl 2):ONS244-51; discussion ONS251-2. PubMed PMID: 17041494.
- 11: Lawton MT, Quiñones-Hinojosa A. Double reimplantation technique to reconstruct arterial bifurcations with giant aneurysms. *Neurosurgery*. 2006 Apr;58(4 Suppl 2):ONS-347-53; discussion ONS-353-4. PubMed PMID: 16582659.
- 12: Lawton MT, Du R. Effect of the neurosurgeon's surgical experience on outcomes from intraoperative aneurysmal rupture. *Neurosurgery*. 2005 Jul;57(1):9-15; discussion 9-15. PubMed PMID: 15987535.
- 13: Lawton MT, Vates GE, Quinones-Hinojosa A, McDonald WC, Marchuk DA, Young WL. Giant infiltrative cavernous malformation: clinical presentation, intervention, and genetic analysis: case report. *Neurosurgery*. 2004 Oct;55(4):979-80. PubMed PMID: 15934180.
- 14: Lawton MT, Du R, Tran MN, Achrol AS, McCulloch CE, Johnston SC, Quinnine NJ, Young WL. Effect of presenting hemorrhage on outcome after microsurgical resection of brain arteriovenous malformations. *Neurosurgery*. 2005 Mar;56(3):485-93; discussion 485-93. PubMed PMID: 15730573.
- 15: Lawton MT, Quiñones-Hinojosa A, Chang EF, Yu T. Thrombotic intracranial aneurysms: classification scheme and management strategies in 68 patients. *Neurosurgery*. 2005 Mar;56(3):441-54; discussion 441-54. Review. PubMed PMID: 15730569.
- 16: Lawton MT, Stewart CL, Wulfstat AA, Derugin N, Hashimoto T, Young WL. The transgenic arteriovenous fistula in the rat: an experimental model of gene therapy for brain arteriovenous malformations. *Neurosurgery*. 2004 Jun;54(6):1463-71; discussion 1471. PubMed PMID: 15157304.
- 17: Lawton MT; UCSF Brain Arteriovenous Malformation Study Project. Spetzler-Martin Grade III

arteriovenous malformations: surgical results and a modification of the grading scale. *Neurosurgery*. 2003 Apr;52(4):740-8; discussion 748-9. PubMed PMID: 12657169.

18: Lawton MT, Quinones-Hinojosa A, Sanai N, Malek JY, Dowd CF. Combined microsurgical and endovascular management of complex intracranial aneurysms. *Neurosurgery*. 2003 Feb;52(2):263-74; discussion 274-5. PubMed PMID: 12535354.

19: Lawton MT. Basilar apex aneurysms: surgical results and perspectives from an initial experience. *Neurosurgery*. 2002 Jan;50(1):1-8; discussion 8-10. PubMed PMID: 11844228.

20: Lawton MT, Chun J, Wilson CB, Halbach VV. Ethmoidal dural arteriovenous fistulae: an assessment of surgical and endovascular management. *Neurosurgery*. 1999 Oct;45(4):805-10; discussion 810-1. PubMed PMID: 10515474.

21: Lawton MT, Spetzler RF. Surgical strategies for giant intracranial aneurysms. *Acta Neurochir Suppl*. 1999;72:141-56. PubMed PMID: 10337420.

22: Lawton MT, Spetzler RF. Surgical strategies for giant intracranial aneurysms. *Neurosurg Clin N Am*. 1998 Oct;9(4):725-42. Review. PubMed PMID: 9738103.

23: Lawton MT, Raudzens PA, Zabramski JM, Spetzler RF. Hypothermic circulatory arrest in neurovascular surgery: evolving indications and predictors of patient outcome. *Neurosurgery*. 1998 Jul;43(1):10-20; discussion 20-1. PubMed PMID: 9657183.

24: Lawton MT, Dasgupta CP, Spetzler RF. Technical aspects and recent trends in the management of large and giant midbasilar artery aneurysms. *Neurosurgery*. 1997 Sep;41(3):513-20; discussion 520-1. PubMed PMID: 9310966.

25: Lawton MT, Jacobowitz R, Spetzler RF. Redefined role of angiogenesis in the pathogenesis of dural arteriovenous malformations. *J Neurosurg*. 1997 Aug;87(2):267-74. PubMed PMID: 9254092.

26: Lawton MT, Heiserman JE, Coons SW, Ragsdale BD, Spetzler RF. Juvenile active ossifying fibroma. Report of four cases. *J Neurosurg*. 1997 Feb;86(2):279-85. PubMed PMID: 9010430.

27: Lawton MT, Dasgupta CP, Spetzler RF. Presigmoid approaches to skull base lesions. *Adv Tech Stand Neurosurg*. 1997;23:189-204. Review. PubMed PMID: 9075473.

28: Lawton MT, Golfino JG, Spetzler RF. The contralateral transcallosal approach: experience with 32 patients. *Neurosurgery*. 1996 Oct;39(4):729-34; discussion 734-5. PubMed PMID: 8880765.

29: Lawton MT, Heiserman JE, Prendergast VC, Zabramski JM, Spetzler RF. Titanium aneurysm clips: Part III-Clinical application in 16 patients with subarachnoid hemorrhage. *Neurosurgery*. 1996 Jun;38(6):1170-5. PubMed PMID: 8727149.

30: Lawton MT, Ho JC, Bichard WD, Coons SW, Zabramski JM, Spetzler RF. Titanium aneurysm clips: Part I-Mechanical, radiological, and biocompatibility testing. *Neurosurgery*. 1996 Jun;38(6):1158-63; discussion 1164. PubMed PMID: 8727147.

31: Lawton MT, Spetzler RF. Internal carotid artery sacrifice for radical resection of skull base tumors. *Skull Base Surg*. 1996;6(2):119-23. PubMed PMID: 17170986; PubMed Central PMCID: PMC1656574.

32: Lawton MT, Dasgupta CP, Spetzler RF. Transpetrosal and combination approaches to skull base lesions. *Clin Neurosurg*. 1996;43:91-112. Review. PubMed PMID: 9247797.

33: Lawton MT, Hamilton MG, Morcos JJ, Spetzler RF. Revascularization and aneurysm surgery: current techniques, indications, and outcome. Neurosurgery. 1996 Jan;38(1):83-92; discussion 92-4. PubMed PMID: 8747955.

34: Lawton MT, Hamilton MG, Spetzler RF. Multimodality treatment of deep arteriovenous malformations: thalamus, basal ganglia, and brain stem. Neurosurgery. 1995 Jul;37(1):29-35; discussion 35-6. PubMed PMID: 8587687.

35: Lawton MT, Porter RW, Heiserman JE, Jacobowitz R, Sonntag VK, Dickman CA. Surgical management of spinal epidural hematoma: relationship between surgical timing and neurological outcome. J Neurosurg. 1995 Jul;83(1):1-7. PubMed PMID: 7782824.

36: Lawton MT, Hamilton MG, Beals SP, Joganic EF, Spetzler RF. Radical resection of anterior skull base tumors. Clin Neurosurg. 1995;42:43-70. Review. PubMed PMID: 8846608.

37: Lawton MT, Spetzler RF. Surgical management of giant intracranial aneurysms: experience with 171 patients. Clin Neurosurg. 1995;42:245-66. Review. PubMed PMID: 8846596.

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