

CURRICULUM VITAE
University of Alabama at Birmingham
School of Medicine Faculty

Date: 1/30/2009

PERSONAL INFORMATION

Name: John Clifton Wellons, III (Jay)
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Rank/Title: Associate Professor of Surgery and Pediatrics
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HOSPITAL AND OTHER (NON ACADEMIC) APPOINTMENTS: none
PROFESSIONAL CONSULTANTSHIPS: none

EDUCATION:

Institution	Degree	Year
The McCallie School	High School Diploma	1985-1987
University of Mississippi	BA	1987-1991
Univ. of MS Medical School	Medicine	1991-1995

MILITARY SERVICE: none

LICENSURE: Alabama Medical License, 2001

BOARD CERTIFICATION:

American Board of Neurological Surgery, 2004
American Board of Pediatric Neurological Surgery, 2006

POSTDOCTORAL TRAINING:

Year	Degree	Institution
1995-1996	Intern in General Surgery	Duke University Medical Center
1996-2000	Resident in Neurosurgery	Duke University Medical Center
1998-1999	Stroke Research Fellow	Duke University Medical Center
2000-2001	Chief Resident in Neurosurgery	Duke University Medical Center
2001-2002	Pediatric Neurosurgery Fellow	Children's Hospital of Alabama

ACADEMIC APPOINTMENTS: (In reverse chronological order)

Year	Rank/Title	Institution
2006	Associate Professor	UAB
2004	Assistant Professor of Pediatrics	UAB
2002	Assistant Professor of Surgery	UAB

AWARDS/HONORS:

Eagle Scout, 1985

Alpha Omega Alpha Honor Medical Society, 2000-present

Alumni Achievement Award, The McCallie School, 2002

Best Doctor, Birmingham magazine, 2007, 2008

Cambridge Who's Who, 2008

COMMUNITY SERVICE:

Think First (National Injury Prevention Foundation), Medical Director of Alabama Chapter, 2002-present

Physician Sponsor of the Year, ThinkFirst National Injury Prevention Foundation, 2008

Honorary Co-chair, 1st Annual Hydrocephalus Association Walk, 2008

PROFESSIONAL SOCIETIES/MEMBERSHIPS:

Congress of Neurological Surgeons, Member, 1999-present
Assistant CME Liaison on 2003 Scientific Program Committee

American Association of Neurological Surgeons
Candidate Member, 1999-2005
Active Member 2005-present

Children's Oncology Group
Infant Tumor Subcommittee, 2002-present
UAB Surgery Responsible Investigator, 2009-present: Appointed position
overseeing all surgical aspects of COG protocols at UAB

Neurosurgical Society of Alabama, 2002-present
Scientific Program Director, Annual Meeting 2008, 2009

Medical Association of Alabama, 2003-present

AANS/CNS Section on Pediatric Neurological Surgery, 2007-present
Scientific Program Moderator, 2005 Annual Meeting
Rules and Regulations Committee, 2008-2010

American Society of Pediatric Neurosurgeons, 2008

HOSPITAL COUNCILS AND COMMITTEES:

Children's Hospital of Alabama Information Technology Steering Committee, 2001-present

Children's Hospital of Alabama Clinical Informatics Subcommittee, 2005-present

UNIVERSITY EDUCATIONAL ACTIVITIES:

Assistant Residency Program Director, UAB Division of Neurosurgery, 2004-present

My role includes but is not limited to leading the recruitment process of the neurosurgical residents, maintaining compliance of the 80 hour work week, and instituting an educational curriculum for the resident staff. I also assist the Program Director in efforts to maintain certification and compliance with resident administrative responsibilities as well as work directly with the Chief of the Division and Program director on issues relating directly to the resident staff.

UAB 3rd year Medical Student Advisor, 2004-present

My role as advisor in the 3rd and 4th years of medical school consists of identifying and nurturing students interested in neurosurgery as a career. We meet several times during the clinical years. Approximately 2-3 students each year are interested in neurosurgery as a career and each one has successfully matched into a categorical neurosurgery residency on their initial attempt at the national match. I have also been approached by rotating students from other institutions and asked to become their formal advisor which resulted in successful matches for those students as well.

UAB 4th year Medical Student Advisor, 2004-present

Course Director for (80-422) Pediatric Neurosurgery, 2006-present

Summer Medical Education Program, 2003-present

UAB Minority Health & Research Center, Scientist, 2004-present

Medical Education Committee, 2008

EDITORIAL BOARD MEMBERSHIPS:

Ad hoc reviewer for Clinical Anatomy

MAJOR RESEARCH INTERESTS:

Site Primary Investigator, Hydrocephalus Clinical Research Network

I am the Site Primary Investigator for the privately funded multicenter Hydrocephalus Clinical Research Network. Representatives from four major pediatric neurosurgical centers meet biannually to discuss and plan clinical studies on topics salient to improving the care of children with hydrocephalus. Currently, four studies are in various stages of completion.

Clinical and Translational Scientist Training Program

I am currently undergoing coursework through the UAB Center for Clinical and Translational Science Training Academy in order to better prepare for clinical trial design and oversight and NIH grant submission.

In addition, my clinical research interests have focused on 1) the role of neuro-endoscopy in the treatment of pediatric brain tumors, 2) the application of medical information technology to resident and student teaching as well as patient care, and 3) anatomic and surgical studies of the brachial plexus and peripheral nerves. All three topics were initially investigated as a neurosurgical resident and have remained major areas of interest and research.

TEACHING EXPERIENCE:

Lecturer, Duke University School of Medicine and Physician Assistant Training Program, 1998, 1999

Invited Speaker, Duke University Medical Center, Durham Regional Hospital, and Durham VA Hospital PACU and ICU nursing conferences: 1998, 1999, 2000

Lecturer, Children's Hospital of Alabama Pediatric Nursing

Critical Care Conference: 2002, 2004

Preoperative Nursing Conference: 2002, 2004

UAB 1st year Medical Student lecturer

Closed Head Injury, 2003

Upper Extremity Peripheral Nerve and Brachial Plexus Case Studies, 2005, 2006

Nominated for Argus Award, 2006

Children's Hospital of Alabama Pediatric Resident Teaching

Noon conference 2002, 2003, 2004, 2005, 2006, 2007, 2008

Morning conference 2002, 2003, 2004, 2005, 2006, 2007, 2008

Senior Talk Preceptor 2002, 2003, 2004, 2005, 2006, 2007, 2008

Pediatric Grand Rounds Speaker

Introducing MData, 2003

ThinkFirst Alabama: A Head and Spinal Cord Injury Prevention Program, 2005

Neuroendoscopy, 2007

The UAB/CHA Pediatric Brachial Plexus and Peripheral Nerve Clinic, 2009

Pediatric Surgery Grand Rounds Speaker

The Role of Neuroendoscopy in Pediatric Brain Tumor Management, Fall 2003

Pediatric Cervical Spine Management, October, 2006

Huntsville Hospital Grand Rounds Speaker, ThinkFirst Alabama – primary prevention of brain and spinal cord injury, February 2004.

Pediatric ER Fellows Conference

Pediatric Cervical Spine Trauma, 2004, 2006, 2007

Pediatric Closed Head Injury, 2004, 2008

Pediatric ICU Fellows Conference

Head Injury, 2008

Pediatric CRNA Conference, CSF Physiology, Monitoring, and Therapy, March, 2004

Perinatal Grand Rounds

Hydrocephalus Topics for the Neonatologist, 2004

A Prospective Cohort Study for the Treatment of PHH, 2009

Anniston Hospital Grand Rounds Speaker, ThinkFirst Alabama – primary prevention of brain and spinal cord injury, July 2005.

DRH (Tuscaloosa) Hospital Grand Rounds Speaker, ThinkFirst Alabama – primary prevention of brain and spinal cord injury, September 2005.

MAJOR LECTURES AND VISITING PROFESSORSHIPS:

The Role of Neuroendoscopy in the Management of Pediatric Brain Tumors. Visiting Lecturer, Arizona College of Osteopathic Medicine. December, 2002.

Visiting Professor, University of Mississippi Medical Center Department of Neurosurgery. July 2006.

Visiting Professor, Emory University Department of Neurosurgery, August 2008

GRANT SUPPORT: (PAST AND CURRENT)

Title: Functional Assessment of Motor Deficits in Cerebellar Patients

Year: 1992
Source: Dean's Research Fellowship, University of Mississippi Medical Center
Preceptor: Gregory Mihailoff, Ph.D., Department of Anatomy, University of Mississippi Medical Center
Amount: \$2,000

Title: The Role of Apolipoprotein E in Global Cerebral Ischemia
Year: 1998-1999
Source: American Heart Association Postdoctoral Fellowship
Preceptor: David Warner, M.D., Division of Neuroanesthesia, Duke University Medical Center
Amount: \$27,500

Title: Digital Imaging Technology in Education: Applications in Neurosurgical Student and Resident Teaching
Year: 1999-2000
Source: Duke University Instructional Technology Incentive Grant
Preceptor: Allan Friedman, M.D., Division of Neurosurgery, Duke University Medical Center
Amount: \$5,000

Title: Volumetric Evaluation of the Posterior Cranial Fossa in Children with Growth Hormone Deficiency
Year: 2002-2003
Source: CNS Clinical Fellowship in Syringomyelia and Chiari Malformation
Preceptor: Jerry Oakes, M.D., Division of Neurosurgery, Children's Hospital of Alabama
Amount: \$10,000

Title: ThinkFirst Alabama
Year: 2004-2005
Source: ADECA Law Enforcement/Traffic Safety Division
Amount: \$20,000

Title: Hydrocephalus Clinical Research Network (Multi-Center)
Year: 2006-current
Source: Philanthropic Funded Focused Research
Role: On- Site Primary Investigator

BIBLIOGRAPHY

MANUSCRIPTS

1. Villavicencio AT, Wellons JC, 3rd, George TM: Avoiding complicated shunt systems by open fenestration of symptomatic fourth ventricular cysts associated with hydrocephalus. *Pediatr Neurosurg* 29:314-319, 1998
2. Wellons JC, 3rd, Bagley CA, George TM: A simple and safe technique for endoscopic third ventriculocisternostomy. *Pediatr Neurosurg* 30:219-223, 1999
3. Nellgard B, Mackensen GB, Pineda J, Wellons JC, 3rd, Pearlstein RD, Warner DS: Anesthetic effects on cerebral metabolic rate predict histologic outcome from near-complete forebrain ischemia in the rat. *Anesthesiology* 93:431-436, 2000
4. Wellons JC, 3rd, Sheng H, Laskowitz DT, Burkhard Mackensen G, Pearlstein RD, Warner DS: A comparison of strain-related susceptibility in two murine recovery models of global cerebral ischemia. *Brain Res* 868:14-21, 2000
5. Pineda JA, Aono M, Sheng H, Lynch J, Wellons JC, Laskowitz DT, Pearlstein RD, Bowler R, Crapo J, Warner DS: Extracellular superoxide dismutase overexpression improves behavioral outcome from closed head injury in the mouse. *J Neurotrauma* 18:625-634, 2001
6. Elton S, Tubbs RS, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Acute hydrocephalus following a Chiari I decompression. *Pediatr Neurosurg* 36:101-104, 2002
7. McGirt MJ, Leveque JC, Wellons JC, 3rd, Villavicencio AT, Hopkins JS, Fuchs HE, George TM: Cerebrospinal fluid shunt survival and etiology of failures: a seven-year institutional experience. *Pediatr Neurosurg* 36:248-255, 2002
8. Tubbs RS, Patwardhan RV, Wellons JC, 3rd, Oakes WJ: Cortical representation of Hering's nerve: a possible anatomical pathway for seizure cessation following electrical stimulation. *Pediatr Neurosurg* 37:235-239, 2002
9. Tubbs RS, Salter G, Wellons JC, 3rd, Oakes WJ: Blood supply of the human cervical sympathetic chain and ganglia. *Eur J Morphol* 40:283-288, 2002
10. Tubbs RS, Wellons JC, 3rd, Banks J, Blount JP, Oakes WJ: Quantitative anatomy of the transverse ligament tubercles. *J Neurosurg* 97:343-345, 2002
11. Tubbs RS, Wellons JC, 3rd, Bartolucci AA, Blount JP, Oakes WJ: Horizontal sacrum as an indicator of a tethered spinal cord. *Pediatr Neurosurg* 36:209-213, 2002
12. Tubbs RS, Wellons JC, 3rd, Blount JP, Oakes WJ: Posterior atlantooccipital membrane for duraplasty. Technical note. *J Neurosurg* 97:266-268, 2002

13. Tubbs RS, Wellons JC, 3rd, Blount JP, Oakes WJ: Jarcho-Levin syndrome. *Pediatr Neurosurg* 36:279, 2002
14. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Hemangioma of the transverse sinus. *Pediatr Neurosurg* 37:278-279, 2002
15. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Sagittal synostosis in twin girls. *Childs Nerv Syst* 18:526-527, 2002
16. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Dolichodontoid in a pediatric patient. *Pediatr Neurosurg* 37:217-219, 2002
17. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Asymmetry of tonsillar ectopia in Chiari I malformation. *Pediatr Neurosurg* 37:199-202, 2002
18. Tubbs RS, Wellons JC, 3rd, Patwardhan RV, Oakes WJ, Wyss JM: The effectiveness of Hering's nerve stimulation in controlling penicillin-induced seizures in the rat is dependent on the amygdala. *Pediatr Neurosurg* 37:231-234, 2002
19. Wellons JC, 3rd, Tubbs RS, Banks JT, Grabb B, Blount JP, Oakes WJ, Grabb PA: Long-term control of hydrocephalus via endoscopic third ventriculostomy in children with tectal plate gliomas. *Neurosurgery* 51:63-67; discussion 67-68, 2002
20. Wellons JC, 3rd, Tubbs RS, Leveque JC, Blount JP, Oakes WJ: Choroid plectectomy reduces neurosurgical intervention in patients with hydranencephaly. *Pediatr Neurosurg* 36:148-152, 2002
21. Ammar K, Tubbs RS, Smyth MD, Wellons JC, 3rd, Blount JP, Salter G, Oakes WJ: Anatomic landmarks for the cervical portion of the thoracic duct. *Neurosurgery* 53:1385-1387; discussion 1387-1388, 2003
22. Banks JT, Wellons JC, 3rd, Tubbs RS, Blount JP, Oakes WJ, Grabb PA: Cervical spine involvement in Larsen's syndrome: a case illustration. *Pediatrics* 111:199-201, 2003
23. McGirt MJ, Wellons JC, 3rd, Nimjee SM, Bulsara KR, Fuchs HE, George TM: Comparison of total versus partial revision of initial ventriculoperitoneal shunt failures. *Pediatr Neurosurg* 38:34-40, 2003
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- system infection or intraventricular hemorrhage in children. *Pediatr Neurosurg* 39:258-263, 2003
26. Tubbs RS, Kelly DR, Hammers YA, Palmer CA, Wellons JC, 3rd, Blount JP, Oakes WJ: Suprasellar lymphoid hyperplasia presenting with diabetes insipidus and hypogonadism. *Pediatr Neurosurg* 39:275-278, 2003
 27. Tubbs RS, Kelly DR, Wellons JC, 3rd, Blount JP, Oakes WJ, Georgeson K: Ectopic brain tissue in a neonate. *Pediatr Neurosurg* 39:136-138, 2003
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39. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Chorda dorsalis. *Pediatr Neurosurg* 38:53, 2003
40. Tubbs RS, Wellons JC, 3rd, Oakes WJ, Blount JP: Reformation of the posterior atlanto-occipital membrane following posterior fossa decompression with subsequent constriction at the craniocervical junction. *Pediatr Neurosurg* 38:219-221, 2003
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42. Tubbs RS, Wellons JC, 3rd, Salter G, Oakes WJ: Cranial deformation. *Clin Anat* 16:450-452, 2003
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48. Smyth MD, Banks JT, Tubbs RS, Wellons JC, 3rd, Oakes WJ: Efficacy of scheduled nonnarcotic analgesic medications in children after suboccipital craniectomy. *J Neurosurg* 100:183-186, 2004

49. Tubbs RS, Doughty K, Oakes WJ, Wellons JC, 3rd: Duane's syndrome and giant parietal foramina. *Pediatr Neurol* 30:75-76, 2004
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51. Tubbs RS, Smyth MD, Wellons JC, 3rd, Oakes WJ: Intramedullary hemorrhage in a neonate after lumbar puncture resulting in paraplegia: a case report. *Pediatrics* 113:1403-1405, 2004
52. Tubbs RS, Soleau S, Custis J, Wellons JC, Blount JP, Oakes WJ: Degree of tectal beaking correlates to the presence of nystagmus in children with Chiari II malformation. *Childs Nerv Syst* 20:459-461, 2004
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54. Tubbs RS, Wellons JC, 3rd, Blount JP, Oakes WJ: Left-sided vagus nerve stimulation decreases intracranial pressure without resultant bradycardia in the pig: a potential therapeutic modality for humans. *Childs Nerv Syst* 20:309-312, 2004
55. Tubbs RS, Wellons JC, 3rd, Blount JP, Oakes WJ, Grabb PA: Cessation of chronic hypertension after posterior fossa decompression in a child with Chiari I malformation. Case report. *J Neurosurg* 100:194-196, 2004
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73. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Split cord malformation and situs inversus totalis: case report and review of the literature. Childs Nerv Syst 21:161-164, 2005
74. Tubbs RS, Acakpo-Satchivi L, Blount JP, Oakes WJ, Wellons JC, 3rd: Pericallosal artery pseudoaneurysm secondary to endoscopic-assisted ventriculoperitoneal shunt placement. Case report. J Neurosurg 105:140-142, 2006
75. Tubbs RS, Ammar K, Liechty P, Wellons JC, 3rd, Blount JP, Salter EG, Oakes WJ: The marginal sinus. J Neurosurg 104:429-431, 2006
76. Tubbs RS, Custis JW, Salter EG, Blount JP, Oakes WJ, Wellons JC, 3rd: Quantitation of and landmarks for the muscular branches of the ulnar nerve to the forearm for application in peripheral nerve neurotization procedures. J Neurosurg 104:800-803, 2006
77. Tubbs RS, Custis JW, Salter EG, Wellons JC, 3rd, Blount JP, Oakes WJ: Quantitation of and superficial surgical landmarks for the anterior interosseous nerve. J Neurosurg 104:787-791, 2006
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80. Tubbs RS, Salter EG, Wellons JC, 3rd, Blount JP, Oakes WJ: Superficial surgical landmarks for identifying the posterior interosseous nerve. J Neurosurg 104:796-799, 2006
81. Tubbs RS, Shoja MM, Acakpo-Satchivi L, Wellons JC, 3rd, Blount JP, Oakes WJ, Iskandar BJ: Exposure of the V1-V3 segments of the vertebral artery via the posterior cervical triangle: a cadaveric feasibility study. J Neurosurg Spine 5:320-323, 2006
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84. Blount JP, Tubbs RS, Wellons JC, 3rd, Acakpo-Satchivi L, Bauer D, Oakes WJ: Spinal cord transection for definitive untethering of repetitive tethered cord. *Neurosurg Focus* 23:1-4, 2007
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87. Kazmi SA, Perry A, Pressey JG, Wellons JC, Hammers Y, Palmer CA: Primary Ewing sarcoma of the brain: a case report and literature review. *Diagn Mol Pathol* 16:108-111, 2007
88. Liechty P, Tubbs RS, Loukas M, Blount JP, Wellons JC, Acakpo-Satchivi L, Oakes WJ, Grabb PA: Spinal accessory nerve meningioma in a paediatric patient: case report. *Folia Neuropathol* 45:23-25, 2007
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91. Tubbs RS, Kelly DR, Humphrey ER, Chua GD, Shoja MM, Salter EG, Acakpo-Satchivi L, Wellons JC, 3rd, Blount JP, Oakes WJ: The tectorial membrane: anatomical, biomechanical, and histological analysis. *Clin Anat* 20:382-386, 2007
92. Tubbs RS, Law C, Davis D, Shoja MM, Acakpo-Satchivi L, Wellons JC, 3rd, Blount JP, Oakes WJ: Scheduled oral analgesics and the need for opiates in children following partial dorsal rhizotomy. *J Neurosurg* 106:439-440, 2007
93. Tubbs RS, Loukas M, Louis RG, Jr., Shoja MM, Acakpo-Satchivi L, Blount JP, Salter EG, Oakes WJ, Wellons JC, 3rd: Anatomy of the falcine venous plexus. *J Neurosurg* 107:155-157, 2007

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95. Tubbs RS, Loukas M, Shoja MM, Spinner RJ, Middlebrooks EH, Stetler WR, Jr., Acakpo-Satchivi L, Wellons JC, 3rd, Blount JP, Oakes WJ: Endoscopically assisted decompression of the suprascapular nerve in the supraspinous fossa: a cadaveric feasibility study. Laboratory investigation. *J Neurosurg* 107:1164-1167, 2007
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99. Tubbs RS, Stetler W, Shoja MM, Loukas M, Hansasuta A, Liechty P, Acakpo-Satchivi L, Wellons JC, Blount JP, Salter EG, Oakes WJ: The lateral atlantooccipital ligament. *Surg Radiol Anat* 29:219-223, 2007
100. Tubbs RS, Wellons JC, 3rd, Blount JP, Salter EG, Oakes WJ: Forces necessary for the disruption of the cisternal segments of cranial nerves II through XII. *Clin Anat* 20:252-255, 2007
101. Wellons JC, 3rd, Tubbs RS, Bui CJ, Grabb PA, Oakes WJ: Urgent surgical intervention in pediatric patients with Chiari malformation type I. Report of two cases. *J Neurosurg* 107:49-52, 2007
102. Acakpo-Satchivi L, Shannon CN, Tubbs RS, Wellons JC, 3rd, Blount JP, Iskandar BJ, Oakes WJ: Death in shunted hydrocephalic children: a follow-up study. *Childs Nerv Syst* 24:197-201, 2008
103. Simon TD, Riva-Cambrin J, Srivastava R, Bratton SL, Dean JM, Kestle JR for the HCRN: Hospital care for children with hydrocephalus in the United States: utilization, charges, comorbidities, and deaths. *J Neurosurg Pediatrics* 1:131-137, 2008
104. Tubbs RS, Oakes WJ, Wellons JC, Grabb PA: Ulnar nerve palsy in a child with Larsen syndrome. *J Neurosurg Pediatrics* 1:107, 2008

105. Tubbs RS, Loukas M, Shoja MM, Shokouhi G, Wellons JC, Oakes WJ, Cohen-Gadol AA: The contralateral long thoracic nerve as a donor for upper brachial plexus neurotization procedures: cadaveric feasibility study. J Neurosurg (e-pub ahead of print)
106. Tubbs RS, Loukas M, Shoja MM, Doyle S, Wellons JC: Retained hand function following transection of the ulnar nerve. Bratisl Lek Listy 109:281-2, 2008
107. Tubbs RS, Loukas M, Shoja MM, Cohen-Gadol AA, Wellons JC, Oakes WJ: Roots of neuroanatomy, neurology, and neurosurgery as found in the Bible and Talmud. Neurosurgery 63:156-62, 2008.
108. Wellons JC, Tubbs RS, Pugh JA, Bradley NJ, Law CR, Grabb PA: Medial Pectoral Nerve to Musculocutaneous Nerve Neurotization for the Treatment of Persistent Birth-Related Brachial Plexus Palsy: A Ten Year Institutional Experience. Journal of Neurosurgery – Pediatrics (In Publication)
109. Wellons JC, Shannon CN, Kulkarni AV, Simon TD, Riva-Cambrin J, Whitehead WE, Oakes WJ, Drake JM, Luerssen TG, Walker ML, Kestle JRW for the Hydrocephalus Clinical Research Network: A Multicenter Retrospective Comparison of Conversion from Temporary CSF Diversion to Permanent Shunting in Very Low Birth Weight Infants with Post-Hemorrhagic Hydrocephalus. Journal of Neurosurgery – Pediatrics (In Publication)

SUBMITTED MANUSCRIPTS

110. Reddy AT, Brown RD, Kharbanda S, Wellons JC, Blount J, Kelly DR, Parsons KW, Sande JE: Treatment of Pediatric Pineoblastoma with Intensified Chemotherapy and Radiation. Submitted to Neuro-Oncology

BOOKS/BOOK CHAPTERS:

Wellons J: The Central Nervous System. In *The Handbook of Surgical Intensive Care*. 5th Edition. Milano C and Clary B (Eds), Mosby International Ltd., USA, 2000.

Wellons J, Gorecki J, Friedman A: Stump, Phantom, and Avulsion Pain. In *Surgical Management of Pain*. Burchiel K (Ed), Thieme, New York, 2001.

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Wellons J, Oakes W: Pediatric Intradural/Extramedullary Spinal Cord Tumors. In *Textbook of Neuro-Oncology*. Berger M and Brem H (Eds), WB Saunders, Philadelphia, 2003.

Wellons J: Cerebellar Astrocytomas. In *Neuro-Oncology of CNS Tumors*. Tonn J, Westphal M, Grossman S, and Rutka JT (Eds), Springer International, Heidelberg, 2005.

Reddy AT and Wellons JC: Pediatric High-Grade Gliomas, In *Glioblastoma Multiforme*, Jones and Bartlett Publishers, 2005.

Wellons JC: Pediatric Brainstem Tumors, In *The Paediatric Supplement for the Pan-Arab Journal of Neurosurgery*. Iskandar B (Ed), (in publication)

Pugh, J and Wellons, JC: Arachnoid Cyst, Open or Endoscopic Fenestration, In *Controversies in Pediatric Neurosurgery*. Jallo GI, Kothbauer K, Padilla G (Eds), Thieme Publishers, New York (in publication)

Tubbs RS, Pugh J, Wellons JC: Fatty Filum Terminale, Meningocele Manqué and Dermal Sinus Tracts, In *Youmans Neurological Surgery 6e*. Winn R (Ed), Elsevier Publishers. (In publication)

Bauer, DF, Wellons J: Cerebellar Astrocytomas. In *Neuro-Oncology of CNS Tumors, 2E*. Tonn J, Westphal M, Grossman S, and Rutka JT (Eds), Springer International, Heidelberg. (In publication)

Oral Presentations

National Meetings:

Wellons J, Sheng H, Laskowitz D, Mackensen B, Pearlstein R, Warner D: A Comparison of Strain-Related Susceptibility in Two Murine Recovery Models of Global Cerebral Ischemia. Stroke Research Symposium, Duke Center for Cerebrovascular Disease, 1999.

Wellons JC, Lawson WT, Pietrobon R, Margraf RR, Fuchs HE, and George TM: Outcome of Endoscopic Third Ventriculostomy for Hydrocephalus Secondary to Aqueductal Stenosis and Tumor is Independent of Surgical Technique. Oral presentation at the Southern Neurosurgical Society Annual Meeting, 2000.

Wellons J, Sheng H, Pineda J, Massey G, Pearlstein R, Sullivan P, Warner D, Laskowitz D: Intracerebral Infusion of Human Recombinant Apolipoprotein E3 Reduces Global Ischemic Brain Injury in Apolipoprotein E Deficient Mice. Oral presentation at the CNS Annual Meeting, 2000

Wellons J, Leveque J, McGirt M, Petrella J, Voyvodic J, Haglund M, Fuchs H, George T: The Integration of Real-time Functional MRI in Pediatric Brain Tumor Resection. Oral presentation at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2000.

Wellons JC, Tubbs RS, Leveque JA, Blount JP, Oakes WJ: Choroid Plexectomy Reduces Neurosurgical Intervention in Patients with Hydranencephaly. Oral presentation at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2001.

McGirt M, Leveque J, Villavicencio A, Wellons J, Fuchs H, George T: Cerebrospinal Fluid Shunt Survival and Etiology of Failures: A Seven Year Institutional Experience. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2001.

Wellons JC, Tubbs RS, Banks JT, Oakes WJ, Blount JP, Grabb PA: Endoscopic Third Ventriculostomy Successfully Treats Hydrocephalus in Children with Tectal Plate Gliomas. Oral presentation at the AANS Annual Meeting, 2002.

McGirt M, Wellons J, Nimjee S, Bulsara K, Fuchs H, George T: Total Versus Partial Revision of Failed Cerebrospinal Fluid Shunts Decreases Subsequent Failure Rate. AANS Annual Meeting, 2002.

Wellons JC, Tubbs RS, Reddy AT, Oakes WJ, Blount JP, Grabb PA: Neuroendoscopic Findings in Children with CNS Germinoma Correlate with Diabetes Insipidus. Oral presentation at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2002.

Tubbs RS, Smyth MD, Wellons JC, Blount JP, Grabb PA, Oakes WJ: Inclination of the Odontoid Process in the Pediatric Chiari I Malformation. AANS/CNS Section of Pediatric Neurological Surgery Annual Meeting, 2002.

Tubbs RS, Smyth MD, Wellons JC, Blount JP, Grabb PA, Oakes WJ: Atlantoaxial Distances in Children During Cervical Spine Flexion. AANS/CNS Section of Pediatric Neurological Surgery Annual Meeting, 2002.

Tubbs RS, Smyth MD, Wellons JC, Bartolucci A, Grabb PA, Oakes WJ: Children with Growth Hormone Deficiency and Chiari I Malformation: A Morphometric Analysis of the Posterior Cranial Fossa. AANS/CNS Section of Pediatric Neurological Surgery Annual Meeting, 2002.

Blount JP, Severson R, Tubbs RS, Grabb PA, Wellons JC, Oakes WJ: Sports and Shunts: Who Can Play? Congress of Neurological Surgeons Annual Meeting, 2003.

Wellons JC, McDevitt M: Streamlining resident work patterns using secure integrative PDA patient data access. Oral presentation at the American Society of Pediatric Neurosurgeons Annual Meeting, 2004.

Tyler-Kabara EC, Tubbs RS, Wellons JC, Blount JP, Oakes WJ: Supra-Placode Spinal Cord Transection for Paraplegic Patients with Myelodysplasia and Repetitive Symptomatic Tethered Spinal Cord. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2004.

Tyler-Kabara EC, Tubbs RS, Wellons JC, Blount JP, Oakes WJ: Posterior Cranial Fossa Volume in Patients with Rickets: Insights into the Increased Occurrence of Chiari I malformation in Metabolic Bone disease. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2004.

Tyler-Kabara EC, Tubbs RS, Wellons JC, Blount JP, Oakes WJ: Vagus Nerve Stimulation for Induced Spinal Cord Seizures: Insights into Seizure Cessation. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2004.

Tubbs RS, Rice WC, Wellons JC, Blount JP, Oakes WJ: The Symptomatic Post Lipomyelomeningocele Resection Patient: Do Increases in the Lumbosacral Angle Indicate A Tethered Spinal Cord? AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2005.

Tubbs RS, Custis J, Hammock RS, Blackburn E, Wellons JC, Blount JP, Oakes WJ: Utility of Antibiotic Impregnated Extraventricular Drains. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2005.

Tubbs RS, Custis J, Bharara S, Gillispie Y, Wellons JC, Blount JP, Oakes WJ: Polymerase Chain Reaction for the Detection of Cerebrospinal Fluid Shunt Infections: A Prospective Study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2005.

Bui C, Tubbs RS, Salerno EP, Pearson B, Acakpo-Satchivi L, Wellons JC, Blount JB, Oakes WJ: Our Recent Experience with Primary Cranial Vault Encephaloceles: 44 Cases. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2006.

Bui C, Tubbs RS, Raymond G, Morgan T, Salerno EP, Barnhart D, Acakpo-Satchivi L, Wellons JC, Blount JB, Oakes WJ: Percutaneous Gastrotomy and Nissen Fundoplication Related Infections of Pediatric Cerebral Fluid Shunts. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2006.

Pugh J, Tubbs RS, Wells C, Law C, Grabb P, Wellons JC: Medial Pectoral Nerve to Musculocutaneous Nerve Neurotization for the Treatment of Brachial Plexus Birth Injuries. Oral Presentation at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Wellons J, Shannon C, Dimmitt R, Oakes J, Whitehead W, Luerssen T, Kulkarni A, Drake J, Simon T, Riva-Cambrin J, Walker J, Kestle J for the HCRN: Comparison of

Conversion Rates from Temporary CSF Management to Permanent Shunting in Premature Infants with IVH: Report of a retrospective study from the Hydrocephalus Clinical Research Network. Oral Presentation at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Blount JP, Shannon CN, Bharara S, Wellons J, Oakes WJ, Tubbs RS, Acakpo-Satchivi L, Gillespie GY: Polymerase Chain Reaction for Rapid Detection of Pediatric CSF Shunt Infections. CNS Annual Meeting, 2007.

Pugh J, Kelley S, Wellons JC, Grant J, Ray P, Blount JP: Use and Risk Profile of Standard (non-fast Resorbing) Macropore Absorbable Plate System in Pediatric Neurosurgery. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Pugh J, Shannon C, Kelley S, Tubbs RS, Wellons JC, Oakes WJ, Acakpo-Satchivi L, Blount JP: Epilepsy as a Comorbidity in a Pediatric Spina Bifida Population. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Tubbs RS, Loukas M, Shoja M, Wellons JC: Anatomy and surgical considerations for endoscopic third ventriculostomy. American Association of Clinical Anatomists in Toronto, 2008.

Wellons JC, Tubbs RS, Pugh J, Pearson B: Endoscopic Management of Large Intracranial Cysts: Expectations and Outcomes in Children. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2008.

Kestle J, Wellons J, Riva-Cambrin J, Shannon C, Bach T, Whitehead W, Nguyen S, Kulkarni A, O'Connor L, Simon T for the Hydrocephalus Clinical Research Network. The Hydrocephalus Clinical Research Network Quality Improvement Initiative. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2008.

Luther N, Wellons JC, Souweidane MM: Risk of Subarachnoid Tumor Dissemination Following Endoscopic Biopsy and Concomitant Third Ventriculostomy. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2008

Pugh J, Shannon C, Tubbs RS, Wellons JC, Blount J, Oakes WJ: Ventriculoperitoneal Shunt Failure Following Intradural Spinal Surgery. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2008.

Local Meetings:

Wellons JC, Tubbs RS, Royal SA, D'Antonio MG, Rauzzino MJ, Oakes WJ: Investigations into the Association between Cervicomedullary Neuroschisis and Mirror Movements in Patients with Klippel-Feil Syndrome. Oral presentation at the Neurosurgical Society of Alabama, 2002.

Wellons JC: Reducing Work Hours and Streamlining Work Patterns Using Secure Handheld Computing: One Year Follow-up. Oral presentation at the Neurosurgical Society of Alabama, 2004.

Wellons JC: A crash course in primary care in post-Katrina Mississippi. Oral Presentation at the Annual J. Garber Galbraith Symposium, November, 2005.

Wellons JC: Endoscopic Filum Terminale Sectioning; Lessons and Limitations in a Cadaveric Feasibility Study. Oral Presentation at the Annual J. Garber Galbraith Symposium, November, 2006.

Wellons JC: Successful Treatment of Hydrocephalus with ETV In Children with Tumors Involving the Cerebral Aqueduct. Oral presentation at the Neurosurgical Society of Alabama, 2007.

Wellons JC: NeuroEndoscopy at Children's Hospital: Secondary ETV. Oral presentation at the Neurosurgical Society of Alabama, 2007.

Wellons JC: Medial Pectoral Nerve to Musculocutaneous Nerve Neurotization for the Treatment of Brachial Plexus Birth Injuries: The Pediatric Brachial Plexus and Peripheral Nerve Clinic. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2007

Wellons JC: Medial Pectoral Nerve to Musculocutaneous Nerve Neurotization for the Treatment of Brachial Plexus Birth Injuries: A 10 year experience. Oral presentation at the Neurosurgical Society of Alabama, 2008.

Wellons, JC: The Hydrocephalus Clinical Research Network – A New Research Engine. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2008.

Poster Exhibits:

Wellons JC, Sheng H, Laskowitz DT, Mackensen GB, Pearlstein RD, Warner DS: Strain-Related Differences in Recovery Models of Murine Transient Forebrain Ischemia: Anatomy, Histology, EEG, and Regional Cerebral Blood Flow. Poster presentation at AANS Annual Meeting, 2000.

Wellons JC, McDevitt M: Reducing Resident Work Hours and Streamlining Work Patterns Using Secure Handheld Computing: A One Year Study. Oral poster at CNS Annual Meeting, 2004.

Custis JW, Tubbs RS, Wellons JC, Blount JP, Grabb PA, Oakes WJ: Referred Shoulder Pain from Ventriculoperitoneal Shunts. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2004.

Custis JW, Tubbs RS, Wellons JC, Blount JP, Grabb PA, Oakes WJ: Transient Ventriculoperitoneal Shunt Dysfunction in Myelodysplastic Children with Urinary Bladder Infection. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2004.

Bui C, Tubbs RS, Pearson B, Acakpo-Satchivi L, Blount JP, Oakes WJ, Wellons JC: Endoscopic Filum Terminale Sectioning: Lessons and limitations in a Cadaveric Feasibility Study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2006.

Bui C, Tubbs RS, Pearson B, Acakpo-Satchivi L, Wellons JC, Blount JP, Oakes WJ: Analysis of the Chiari I Malformation found in Children with Lipomyelomeningocele: A Radiological and Anatomical Study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2006.

Bui C, Acakpo-Satchivi L, Tubbs RS, Wooley A, Blount JP, Oakes WJ, Wellons JC: Surgical Options in the Treatment of Atypically Presenting Giant Craniopharyngiomas in Young Children. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2006.

Pugh J, Tubbs RS, Oakes WJ, Acakpo-Satchivi L, Blount JP, Wellons JC: Secondary ETV Provides Long Term Control of Hydrocephalus. Poster presentation at AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Tubbs RS, Ardalan A, Oakes WJ, Blount JP, Acakpo-Satchivi L, Apaydin N, Shoja M, Loukas M, Pugh J, Wellons JC: The Lateral Lakes of Trolard: Anatomy, Quantitation and Surgical Landmarks. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Tubbs RS, Apaydin N, Acakpo-Satchivi L, Oakes WJ, Wellons JC, Blount JP, Loukas M, Wartmann C, Loius R, Pugh J, Shoja M: The Choroid Plexus of the lateral and third ventricles is contiguous: a surgical anatomic study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2007.

Bryant N, Fiveash J, Wellons J, Blount B, Oakes J, Reddy A: Temozolamide in the Treatment of High Risk or Recurrent Ependymoma. International Society of Pediatric Neuro-oncology Meeting, 2008.

Tubbs RS, Loukas M, Shoja M, Wellons JC: Medial Pectoral nerve to musculocutaneous nerve neurotization for the treatment of brachial plexus birth injuries. American Association of Clinical Anatomists in Toronto, 2008.

Other Selected Published Abstracts:

Wellons JC, Laskowitz DT, Pearlstein RD, Warner DS, Sheng H: Comparison of Posterior Communicating Artery Patency in C57BL/6J and SV-129 Mice: Effect on EEG Activity During Global Cerebral Ischemia. Soc Neurosci Abs 25:128.4, 1999

Nellgård B, Mackensen GB, Pineda J, Wellons J, Pearlstein RD, Warner DS: Anesthetic effects on cerebral metabolic rate predict histologic outcome from near-complete forebrain ischemia in the rat. J Neurosurg Anesth 12:168,2000

Reddy AT, Wellons JC, Allen JC, Abdullatif H, Braune KW, Grabb PA: Refining the Staging Evaluation of Pineal Region Germinoma using Neuroendoscopy and the Presence of Preoperative Diabetes Insipidus. Neuro-Oncology, 4:4, 2002.

Invited Lectures:

Streamlining Residency Work Patterns Using PDA Patient Access. Invited Faculty at the Federation of Pediatric Organizations Conference on Improving Patient Care, Safety and Pediatric Resident Education. Wilmington, Delaware. October, 2004.

Streamlining Residency Work Patterns Using Secure Integrative PDA Patient Access—“the Palm Project”. Morning Session Speaker, AANS, New Orleans, LA. April, 2005.

ThinkFirst Alabama: A Head and Spinal Cord Injury Prevention Program. Speaker, Operation CARE (Combined Accident Reduction Effort) International Conference. Birmingham, AL. April 2005.

Streamlining Residency Work Patterns: Handheld Computing in the NICU and on the Wards. Invited Faculty at Hot Topics in Neonatology 2005. Washington, D.C., December, 2005.

Invited Faculty:

Invited Faculty: Intracranial Endoscopy: Indications, Techniques, Outcome and Complications. American Association of Neurological Surgeons, April 2006, 2007, 2009

Invited Panelist: Handheld Computing: An Essential Tool in Today’s Neurosurgical Practice. American Association of Neurological Surgeons, April 2006, 2007

Invited Faculty Congress of Neurological Surgeons:
 Pediatric Brain Tumor Review September 2007
 Pediatric Brain Tumor Treatment Strategies, October, 2009 (pending)

Invited Faculty: National Hydrocephalus Association Meeting, June 2008.

