

## CURRICULUM VITAE

**John Clifton Wellons, III M.D., M.S.P.H.**  
**Chief, Pediatric Neurological Surgery**  
**Professor, Neurological Surgery**  
**Professor, Pediatrics**  
**Vanderbilt Children's Hospital**  
**Vanderbilt University Medical Center**

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**CITIZENSHIP:** United States

### **EDUCATION**

<b>High School</b>	The McCallie School		1987
<b>Undergraduate</b>	University of Mississippi	B.A.	1991
<b>Graduate</b>	University of Mississippi Medical School	M.D.	1995
<b>Clinical Training</b>	Internship in General Surgery Residency in Neurological Surgery Stroke Research Fellow Chief Resident, Neurosurgery Duke University Medical Center		1995-1996 1996-2000 1998-1999 2000-2001
<b>Fellowship</b>	Pediatric Neurosurgery Fellow Children's Hospital of Alabama		2001-2002
<b>Research Training</b>	MSPH Clinical Research (Epidemiology) University of Alabama, Birmingham		2009-2012

### **LICENSURE**

Alabama	2001
Tennessee 48998	2012

## **BOARD CERTIFICATION**

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

## **PROFESSIONAL EXPERIENCE**

### **Vanderbilt University Medical Center**

Professor of Neurosurgery and Pediatrics	2012-pres.
Chief, Pediatric Neurosurgery	2012-pres.

### **University of Alabama at Birmingham**

Professor of Surgery and Pediatrics, tenure	2011-2012
Associate Professor, tenure	2009-2011
Associate Professor	2006-2009
Assistant Professor of Pediatrics	2004-2006
Assistant Professor of Surgery	2002-2006

## **PROFESSIONAL ASSOCIATIONS**

### **Vanderbilt University Medical Center**

Scholar, Vanderbilt Center for Health Services Research	2013-pres.
School of Medicine's Academic Leadership Program	2013-pres.
Vanderbilt-Ingram Cancer Center (VICC)	2013
Cancer Epidemiology Research Program	

## **AWARDS/HONORS:**

Eagle Scout, 1985

Alpha Omega Alpha Honor Medical Society, 2000-present

Alumni Achievement Award, The McCallie School, 2002

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

Best Doctor, Birmingham magazine, 2007, 2008, 2009, 2010, 2011

Best Doctors in America, 2014

## **COMMUNITY SERVICE:**

Reunion Board, The McCallie School, 2008, 2012

Think First (National Injury Prevention Foundation)

Medical Director of Alabama Chapter, 2002-2010

Annual Hydrocephalus Association Walk

Honorary Co-chair, 2008, 2009

WJOX Opening Drive Radio Show

Sports Related Concussions, Panel Discussant, 10/8/2009

All Saints Episcopal Church

Usher

Formed All Saints Triathlon team:

1<sup>st</sup> place in the Mixed Relay at Buster Britton Memorial Triathlon, 2008 Raised funds for church  
AED and other medical supplies

Annual Co-Speaker (with wife, Dr. Melissa Wellons) to Junior High Youth Group

Delegate to 180<sup>th</sup> Convention of the Episcopal Church in the Diocese of AL, 2011

**PROFESSIONAL SOCIETIES/MEMBERSHIPS:**

Congress of Neurological Surgeons, Member, Assistant CME Liaison on 2003 Scientific Program Committee	1999-present
American Association of Neurological Surgeons Candidate Member, Active Member	1999-2005 2005-present
Children's Oncology Group Infant Tumor Subcommittee, UAB Surgery Responsible Investigator, appointed	2002-2008 2009-2010:
Neurosurgical Society of Alabama, Scientific Program Director, Annual Meeting	2002-2012 2008-2011
AANS/CNS Section on Pediatric Neurological Surgery, Scientific Program Moderator, Annual Meeting Rules and Regulations Committee, Executive Committee, Member-At-Large	2007-present 2005 2008-2011 2012-present
American Society of Pediatric Neurosurgeons, <a href="#">Chairman of Ad Hoc Committee on Quality and Outcomes</a>	2008-present 2014
Tennessee Neurosurgical Society	2012-present
Cumberland Pediatric Foundation	2012-present

**HOSPITAL COUNCILS AND COMMITTEES:**

Children's Hospital of Alabama Information Technology Steering Committee, Children's Hospital of Alabama Clinical Informatics Subcommittee, Committee for the Future Faculty Liaison, Chairman 2010	2001-2009 2005-2009 2008-2012
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**UNIVERSITY EDUCATIONAL ACTIVITIES:**

Assistant Residency Program Director, UAB Division of Neurosurgery, • UAB Neurosurgery Residents trained: 27 • UAB Pediatric Neurosurgery Fellows trained: 9	2004-2012
UAB 3 <sup>rd</sup> and 4 <sup>th</sup> year Medical Student Advisor, • UAB Medical Students: 10 (9 of 9 who entered NSU match matched successfully) • Non-UAB Medical Students: 2 (2 of 2 matched successfully)	2004-2011
Faculty Mentor, Co-Founder, Pediatric Neurosurgery Summer Research Program • UAB Medical Students: ○ 7 (4 have resulted in student presentations at AANS/CNS Annual Meeting in 2009, 2010, 2011; a 3 <sup>rd</sup> student project was presented by a co-author neurosurgical resident due to the student's residency interviews) • UAB School of Public Health Graduate Students: 6 • UAB Neurosurgery Residents: 2	

- Rob Naftel, MD in the NIH-sponsored (1UL1RR02577) UAB Clinical and Translation Science Training Program (2010 completed)
- Matt Fusco, MD in the NIH-sponsored (1UL1RR02577) UAB Clinical and Translation Science Training Program (2011 upcoming)

Course Director for (80-422) Pediatric Neurosurgery,	2006-2012
Summer Medical Education Program,	2003-2012
UAB Minority Health & Research Center, Scientist,	2004-2012
UAB School of Medicine Medical Education Committee,	2008
UAB Comprehensive Neuroscience Center, Scientist,	2009-2012
UAB School of Nursing Faculty Preceptor for Haley Vance, MSN, CRNP,	2009
VUMC School of Medicine Course Director for clinical elective in Pediatric Neurosurgery	2013-14
Faculty Affiliate Advisor for Gabbe College at Vanderbilt University	2013

## **MENTORING**

Vanderbilt medical students:

Travis Ladner, awarded the 2013-14 CSNS/CNS Medical Student Summer Fellowship in Socioeconomic Research

## **EDITORIAL BOARD MEMBERSHIPS:**

Ad hoc reviewer for Clinical Anatomy,	2008-present
Ad hoc reviewer for Child's Nervous System,	2009-2010
Editorial Board, Journal of Neurosurgery – Pediatrics,	2012-present
Ad hoc reviewer, Neurosurgery	2013

## **PROFESSIONAL ACTIVITIES:**

HCRN (Hydrocephalus Clinical Research Network) 2012

I served as the UAB/Children's Hospital of Alabama Site Investigator for the private and NIH funded Hydrocephalus Clinical Research Network which consists of pediatric neurosurgeons with training in clinical trials methodology at 7 major pediatric referral centers that have a track record of successful collaboration and standardization. Representatives meet biannually to plan and execute clinical studies on topics salient to improving the care of children with hydrocephalus. Currently, five studies are in various stages of completion. The goal of my ongoing and proposed research is to standardize the surgical management of post-hemorrhagic hydrocephalus due to intraventricular hemorrhage of prematurity via the SOPHH study line (Shunting Outcomes in Post-hemorrhagic Hydrocephalus) within the HCRN. Retrospective studies from the HCRN have shown differences in rates to permanent shunting between surgical temporization procedures as well as great variation in the way these children are managed. There is no study that prospectively examines the rates to permanent shunting between the two most common surgical temporization

methods, ventriculosubgaleal shunt or reservoir placement, nor are resultant cognitive and developmental outcomes compared.

#### Clinical Outcomes Research

I co-founded and ran a multidisciplinary research meeting consisting of UAB School of Medicine and School of Public Health graduate students where multiple clinical projects took place. ([A list of research mentees is available upon request.](#))

#### Unaffiliated Neurotrauma Consultant 2013 - 2015

The National Football League and the National Football League Players Association

### **CURRENT RESEARCH INTERESTS**

Hydrocephalus, Clinical Outcomes

Neuroendoscopy in the treatment of pediatric brain tumors and hydrocephalus,

Improving Chiari and Chiari-related disorders

Anatomic and surgical studies of the brachial plexus and peripheral nerves

### **TEACHING ACTIVITIES:**

#### Duke University School of Medicine

Lecturer, Duke University School of Medicine and PA 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

OR Nurses' Conference: 2008, 2010

#### University of Alabama, Birmingham

UAB 1<sup>st</sup> year Medical Student lecturer

Closed Head Injury, 2003

Upper Extremity Peripheral Nerve and Brachial Plexus Cases, 2005, 2006, 2010

Nominated for Argus Award, 2006

Children's Hospital of Alabama Pediatric Resident Teaching

Noon conference 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2010

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

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

Division of Neurosurgery Resident Conference

I spoke numerous times at this conference, both formally (titled lectures) and on an informal basis (case presentations). I was in charge of the educational curriculum from 2005 to 2010.

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, 2003 Pediatric Cervical

Spine Management, 2006

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  
SOPHH: A Pilot Study, 2010

Perinatal Fellow's Conference  
CSF Anatomy and Physiology, 2010

Maternal and Fetal Medicine Fellows' Rounds, Department of Ob/Gyn: Persistent Brachial Plexus Palsy  
Following Birth: Indications for Surgical Intervention, 2009

4<sup>th</sup> and 6<sup>th</sup> Floor Nursing Conference  
CSF Anatomy and Physiology I, 2010  
CSF Anatomy and Physiology II, 2010

Huntsville Hospital Grand Rounds Speaker, ThinkFirst Alabama, February 2004.  
Anniston Hospital Grand Rounds Speaker, ThinkFirst Alabama, July 2005.  
DRH (Tuscaloosa) Hospital Grand Rounds Speaker, ThinkFirst Alabama, Sept 2005.

#### Vanderbilt University Medical Center

Neurological Surgery Grand Rounds  
Case Studies in the Brachial Plexus, Part 1, September 2012  
Pediatric Traumatic Brain Injury Protocol, January 2013  
Case Studies in the Pediatric Brachial Plexus and Peripheral Nerve, February 2013

Pediatric Grand Rounds  
The hydrocephalus clinical research network: Applying QI methodology to reduce shunt infections", 2013

Pediatric Surgery Grand Rounds  
QI study, 2013

Pediatric Critical Care Fellow conference  
Pediatric Brain Tumors, 2013

Pediatric Resident Conference  
Hydrocephalus and shunts, 2013

Pediatric Emergency Medicine Fellow Conference  
Neurotrauma, 2013  
Neurosurgical Emergencies and new TBI Protocol, 2013

PICU Fellows Conference  
ICP/CSF, Hydrocephalus anatomy, physiology and pathology, 2013

School of Medicine Second Year Medical Students  
Hybrid year of brain/behavior "Meninges and ventricles", 2013

Infectious Disease Case Conference  
Shunt infection work up, 2013

Critical Care Fellow Conference  
ICP, CHI, EVD TLC, 2013

HR/PACU/RR staff conference  
Shunt infections, 2013

Pediatric Trauma Conference  
CHI protocol, 2013

Presentation to local pediatricians "Brachial plexus injury in kids: Predicting need for surgery and outcomes"  
January 2013

OR Staff conference

ICP and reducing shunt infections, 2012

### **MAJOR LECTURES AND VISITING PROFESSORSHIPS:**

Visiting Professor, Arizona College of Osteopathic Medicine. December, 2002

Visiting Professor, University of MS Medical Center Dept of Neurosurgery. July 2006

Visiting Professor, Emory University Department of Neurosurgery, August 2008

### **GRANT SUPPORT**

Title: Neuroplasticity-based cognitive remediation for pediatric brain tumor survivors

Year: 2013-2015

Source: NIH/NCI

Role: Co-Investigator

Amount:

Title: Understanding the Impact of Post-Hemorrhagic Hydrocephalus on  
Neurodevelopmental Outcomes in Premature Infants

Year: 2013-2016

Source: The Gerber Foundation

Role: Co-Investigator

Amount: \$107,446

### **COMPLETED:**

Title: Hydrocephalus Clinical Research Network: a consortium for pediatric  
hydrocephalus

Year: 2009-2012

Source: NINDS (1 RC1 NS068943-01)

Role: Primary Investigator, Children's Hospital of Alabama

Amount: Cost of Data Coordinating Center for Network and Network Director

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: 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: 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: 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

## **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 plexectomy 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
24. Reddy AT, Wellons JC, 3rd: Pediatric high-grade gliomas. *Cancer J* 9:107-112, 2003
25. Smyth MD, Tubbs RS, Wellons JC, 3rd, Oakes WJ, Blount JP, Grabb PA: Endoscopic third ventriculostomy for hydrocephalus secondary to central nervous 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
28. Tubbs RS, Smyth MD, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Alternative uses for the subgaleal shunt in pediatric neurosurgery. *Pediatr Neurosurg* 39:22-24, 2003
29. Tubbs RS, Smyth MD, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Atlantoaxial interlaminar distances in cervical flexion in children. *J Neurosurg* 98:271-274, 2003
30. Tubbs RS, Smyth MD, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Life expectancy of ventriculosubgaleal shunt revisions. *Pediatr Neurosurg* 38:244-246, 2003
31. Tubbs RS, Smyth MD, Wellons JC, Blount JP, Oakes WJ: Cutaneous manifestations and the Chiari I malformation. *Pediatr Neurol* 29:250-252, 2003
32. Tubbs RS, Smyth MD, Wellons JC, 3rd, Blount JP, Oakes WJ: Human horns: a historical review and clinical correlation. *Neurosurgery* 52:1443-1447; discussion 1447-1448, 2003
33. Tubbs RS, Smyth MD, Wellons JC, 3rd, Oakes WJ: Distances from the atlantal segment of the vertebral artery to the midline in children. *Pediatr Neurosurg* 39:330-334, 2003
34. Tubbs RS, Smyth MD, Wellons JC, 3rd, Oakes WJ: Hemihypertrophy and the Chiari I malformation. *Pediatr Neurosurg* 38:258-261, 2003
35. Tubbs RS, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Inclination of the odontoid process in the pediatric Chiari I malformation. *J Neurosurg* 98:43-49, 2003
36. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Lumbar split cord malformation and Klippel-Feil syndrome. *Pediatr Neurosurg* 39:305-308, 2003
37. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Unilateral lambdoidal synostosis with mendosal suture involvement. *Pediatr Neurosurg* 39:55, 2003
38. Tubbs RS, Wellons JC, 3rd, Oakes WJ: Occipital encephalocele, lipomeningomyocele, and Chiari I malformation: case report and review of the literature. *Childs Nerv Syst* 19:50-53, 2003
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
41. Tubbs RS, Wellons JC, 3rd, Salter G, Blount JP, Oakes WJ: Intracranial anatomic asymmetry in situ inversus totalis. *Anat Embryol (Berl)* 206:199-202, 2003
42. Tubbs RS, Wellons JC, 3rd, Salter G, Oakes WJ: Cranial deformation. *Clin Anat* 16:450-452, 2003

43. Tubbs RS, Wellons JC, 3rd, Smyth MD, Bartolucci AA, Blount JP, Oakes WJ, Grabb PA: Children with growth hormone deficiency and Chiari I malformation: a morphometric analysis of the posterior cranial fossa. *Pediatr Neurosurg* 38:324-328, 2003

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45. Blount J, Doughty K, Tubbs RS, Wellons JC, Reddy A, Law C, Karle V, Oakes WJ: In utero spontaneous cervical thoracic epidural hematoma imitating spinal cord birth injury. *Pediatr Neurosurg* 40:23-27, 2004

46. Blount JP, Severson M, Atkins V, Tubbs RS, Smyth MD, Wellons JC, Grabb PA, Oakes WJ: Sports and pediatric cerebrospinal fluid shunts: who can play? *Neurosurgery* 54:1190-1196; discussion 1196-1198, 2004

47. Reddy AT, Wellons JC, 3rd, Allen JC, Fiveash JB, Abdullatif H, Braune KW, Grabb PA: Refining the staging evaluation of pineal region germinoma using neuroendoscopy and the presence of preoperative diabetes insipidus. *Neuro Oncol* 6:127-133, 2004

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

50. Tubbs RS, Smyth MD, Wellons JC, 3rd, Oakes WJ: Arachnoid veils and the Chiari I malformation. *J Neurosurg* 100:465-467, 2004

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53. Tubbs RS, Wellons JC, 3rd, Blount JP, Oakes WJ: Syringomyelia in twin brothers discordant for Chiari I malformation: case report. *J Child Neurol* 19:459-462, 2004

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

56. Tubbs RS, Wellons JC, 3rd, Iskandar BJ, Oakes WJ: Isolated flat capillary midline lumbosacral hemangiomas as indicators of occult spinal dysraphism. *J Neurosurg* 100:86-89, 2004

57. Tubbs RS, Wellons JC, Oakes WJ: Russell Silver syndrome and tethered spinal cord. *Childs Nerv Syst* 20:473-475; discussion 476-482, 2004

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63. Doughty K, Tubbs RS, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: An unusual case of impalement of the cranium in a child. *J Trauma* 58:1290-1293, 2005

64. Tubbs RS, Banks JT, Soleau S, Smyth MD, Wellons JC, 3rd, Blount JP, Grabb PA, Oakes WJ: Complications of ventriculostomy shunts in infants and children. *Childs Nerv Syst* 21:48-51, 2005

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66. Tubbs RS, Murphy RL, Golden JB, Etheridge B, Wellons JC, Blount JP, Salter EG, Oakes WJ: The results of compression forces applied to the isolated human calvaria. *Folia Morphol (Warsz)* 64:321-325, 2005

67. Tubbs RS, Salter EG, Wellons JC, 3rd, Blount JP, Oakes WJ: Superficial landmarks for the spinal accessory nerve within the posterior cervical triangle. *J Neurosurg Spine* 3:375-378, 2005

68. Tubbs RS, Salter EG, Wellons JC, 3rd, Blount JP, Oakes WJ: Anatomical landmarks for the lumbar plexus on the posterior abdominal wall. *J Neurosurg Spine* 2:335-338, 2005

69. Tubbs RS, Salter EG, Wellons JC, 3rd, Blount JP, Oakes WJ: The triangle of the vertebral artery. *Neurosurgery* 56:252-255; discussion 252-255, 2005

70. Tubbs RS, Tyler-Kabara EC, Wellons JC, 3rd, Blount JP, Oakes WJ: Unusual findings during abdominal placement of a ventriculoperitoneal shunt: report of three cases. *J Neurosurg* 102:423-425, 2005

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## **PRESENTATIONS**

### **ORAL PRESENTATIONS**

#### **National Meetings:**

1. 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.
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13. 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.
14. 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.
15. 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.
16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. 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.

24. 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.
25. 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.
26. 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.
27. Tubbs RS, Loukas M, Shoja M, Wellons JC: Anatomy and surgical considerations for endoscopic third ventriculostomy. American Association of Clinical Anatomists in Toronto, 2008.
28. 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.
29. 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.
30. 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
31. 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.
32. Riva-Cambrin J, Simon T, Kulkarni A, Wellons J, Whitehead W, Oakes J, Luerssen T, Walker M, Drake J, Kestle J, for the HCRN: The Development and Implementation of a Multi-Center Registry for children with Hydrocephalus: The HCRN Core Data Project. American Society of Pediatric Neurosurgeons Annual Meeting, 2009.
33. Riva-Cambrin J, Shannon C, Kestle J, Kulkarni A, Whitehead W, Simon T, and Wellons J for the HCRN: A Multi-Center Pilot Study Describing Variations in the Care of Premature Infants with IVH; Factors Influencing the Decision to Temporize and Ultimately Shunt, International Society of Pediatric Neurosurgery Annual Meeting, 2009
34. McBride SA, Boehme AK, Shannon CN, Riva-Cambrin J, Rozzelle CJ, Blount JP, Oakes WJ, Carlo WA, Wellons JC: Imaging Characteristics Were Not Predictive of Ventriculosubgaleal Shunt Conversion in VLBW Infants with Post-Hemorrhagic Hydrocephalus. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009.
35. Bauer DF, Waters AM, Tubbs RS, Rozzelle CJ, Wellons JC, Blount JP, Oakes WJ: Safety and Utility of Scheduled Non-Narcotic Analgesic Medications in Children Undergoing Craniotomy for Brain Tumor. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009

36. Hankinson TC, Tubbs RS, Kotchetkov I, Anderson RC, Blount J, Oakes WJ, Feldstein NA, Wellons JC: Initial Surgical Technique for the Treatment of Middle Fossa Arachnoid Cysts: Bi-Institutional Comparison of Results and Complications. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009.
37. Hankinson TC, Tubbs RS, Griessenauer C, Rozzelle C, Wellons JC, Blount J, Cohen-Gadol AA, Oakes WJ: Retroclival Epidural Hematoma: Clinical Characteristics and Diagnostic Technique. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009.
38. Harmon DK, Hankinson TC, Bradley N, Shannon C, Tubbs RS, Wellons JC: Successful Resection of Cystic Hygromas of the Neck Involving the Brachial Plexus. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009
39. Harmon DK, Shannon C, Reed G, Tubbs RS, Rozzelle C, Blount JP, Oakes WJ, Wellons JC: Lysis of Abdominal Adhesions for Distal Catheter Placement in the Difficult to Shunt Patient. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2009
40. Wellons J: Small Ventricle Neuroendoscopy, Lessons Learned. American Society of Pediatric Neurosurgeons Annual Meeting, 2010.
41. Wellons JC, Riva-Cambrin J, Whitehead W, Browd S, Kestle J, Kulkarni A: Assessing Premature Infants for Findings of Increased Intracranial Pressure: An HCRN Inter-Rater Reliability Study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
42. Whitehead E, Illner A, Holubkov R, Riva-Cambrin J, Kulkarni A, Wellons JC, Simon T, Browd S, Drake J, Luerssen T, Oakes J, Walker M, Kestle J. Efficacy and Safety of Ultrasound Guided Shunt Insertion. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
43. Riva-Cambrin J, Wellons JC, Kulkarni A, Kestle J, Whitehead W, Browd S, Simon T: Variations in the Neurosurgical Care of Premature Infants with Intraventricular Hemorrhage: A Multicenter Study. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
44. Kirkman J, Chern J, Shannon C, Anderson T, Tubbs RS, Rozzelle C, Wellons JC. When Can We not Screen Infants for Tethered Spinal Cord? An Analysis of Presenting Factors in 1141 Infants. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
45. Blount J, Reed G, Shannon C, Rozzelle C, Wellons JC, Tubbs RS, Oakes J. Clinical Symptoms are Equivalent to Imaging in Predicting Shunt Failure in Myelomeningocele Patients. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
46. Romeo A, Naftel R, Reed G, Martin R, Shannon C, Grabb P, Tubbs RS, Wellons JC. Endoscopic Third Ventriculostomy for Tectal Plate Gliomas: Long-Term Outcomes and Ventricular Size. AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting, 2010.
47. Naftel R, Tubergen E, Gran K, Shannon C, Blount J, Wellons JC: Parental Recognition of Shunt Failure. Southern Neurosurgical Society Annual Meeting, 2011.
48. Naftel R, Reed G, Kulkarni AK, Wellons JC: Evaluating the Children's Hospital of Alabama Endoscopic Third Ventriculostomy Experience Using the ETV Success Score: An External Validation Study. (Sherry Apple Resident Travel Scholarship). Congress of Neurological Surgeons Annual Meeting, 2011.

49. Wellons JC: The Impact of Quality Improvement: A Discussion of Pitfalls, Protocols and Policies to Improve Quality and Safety. 40<sup>th</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2011.

50. Allen LA, Safiano N, Falola M, Broome C, Shannon C, Wellons JC; Predictors and Outcomes of Surgical Intervention for Birth-Related Brachial Plexus Palsy. 40<sup>th</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2011.

51. Kulkarni AV, Cambrin JR, Browd S, Drake J, Kestle J, Limbrick D, Simon T, Tamber M, Wellons JC, Whitehead W. Outcome of CSF Shunting in Children within a North American Multicenter Collaborative: Results from the Hydrocephalus Clinical Research Network (HCRN) Compared to Historical Controls. 40<sup>th</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2011.

52. Foppe S, Shannon C, Falola M, Wellons JC, Oakes W. Shorter Stay and Similar Complication Rate with Limited Laminotomy for Selective Dorsal Rhizotomy; A Comparison Study. 40<sup>th</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2011.

53. Allen L, Safiano N, Falola M, Broome C, Shannon C, Wellons JC. Functional Outcomes of Infants Undergoing Neurotization for Birth Related Brachial Plexus Palsy Compared with Infants Not Requiring Surgery. 63<sup>rd</sup> Southern Neurosurgical Society Annual Meeting, 2012.

54. Arychnyna A, Shannon C, Ditty B, Oakes J, Blount J, Wellons JC. Applying the MOMS Shunting Criteria to a Single Institutional Experience. 63<sup>rd</sup> Southern Neurosurgical Society Annual Meeting, 2012.

55. Shannon C, Aune K, Veselsky S, Arychnyna A, Bey A, Wellons JC: Evaluating Infection Trends in Pediatric Neurosurgical Patients: A multidisciplinary Process Improvement Initiative. 41<sup>st</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2012.

56. Whitehead WE, Kulkarni A, Riva-Cambrin J, Wellons JC, Drake J, Luerssen T, Oakes J, Walker M, Kestle J: Frontal Versus Parietal CSF Shunts and Shunt Survival, an HCRN Study. 41<sup>st</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2012.

57. Naftel RP, Safiano N, Falola M, Blount J, Oakes W, Wellons JC: The Association Between Race and Malignant Shunt Failure. 41<sup>st</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2012.

58. Simon TD, Butler J, Whitlock KB, Browd SR, Holubkov R, Kestle JRW, Kulkarni AV, Langley M, Limbrick DD, Hamblett NM, Tamber M, Wellons JC, Whitehead WE, Riva-Cambrin J: Cerebrospinal Fluid Shunt Revisions, Far More Than Patient Factors, Confer Risk of Shunt Infection. Pediatric Academic Societies meeting, Washington, DC, May 5, 2013 (platform presentation)

59. Wellons JC, Whitehead WE: Moderators in Scientific Session III: Hydrocephalus I. 42<sup>nd</sup> Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Toronto Canada, December 2013

60. Wellons JC, Shannon CN, Riva-Cambrin J, Kulkarni A, Limbrick D, Whitehead WE, Browd S, Oakes J, Rozzelle C, Simon T, Tamber M, Kestle J: Shunting outcomes in post-hemorrhagic hydrocephalus (SOPHH): results of a Hydrocephalus Clinic Research Network (HCRN) prospective cohort study. 42<sup>nd</sup> Annual meeting of the AA NS/CNS Section on Pediatric Neurological Surgery, Toronto Canada, December 2013.

61. Riva-Cambrin J, Simon TD, Butler J, Whitlock K, Browd S, Holubkov R, Kestle J, Kulkarni A, Langley M, Limbrick D, Mayer-Hamblett N, Tamber M, Wellons JC, Whitehead WE: Risk factors for first cerebrospinal fluid shunt infection: Findings from HCRN's multicenter prospective cohort study. 42<sup>nd</sup> Annual meeting of the AA NS/CNS Section on Pediatric Neurological Surgery, Toronto Canada, December 2013.
62. Kulkarni AV, Riva-Cambrin J, Browd S, Drake J, Holubkov R, Kestle J, Limbrick D, Rozzelle C, Simon T, Tamber M, Wellons JC, Whitehead WE: Endoscopic third ventriculostomy with choroid plexus cauterization in infants with hydrocephalus: a retrospective hydrocephalus clinical research network study. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Toronto Canada, December 2013.
63. Ladner TR, Dewan M, Day M, Shannon CN, Tomycz L, Tulipan NB, Wellons JC: Odontoid retroflexion correlates with degree of tonsillar ectopia in children with Chiari I malformation. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, Toronto Canada, December 2013.
64. Wellons JC: HCRN as a model: lessons learned. 37<sup>th</sup> Annual meeting of the American Society of Pediatric Neurosurgeons, Costa Rica, January 2014.

#### **Local Meetings:**

1. Wellons JC, Tubbs RS, Royal SA, D'Antonio MG, Rauzzino MJ, Oakes WJ: Investigations into the Association between Cervicomедullary Neuroschisis and Mirror Movements in Patients with Klippel-Feil Syndrome. Oral presentation at the Neurosurgical Society of Alabama, 2002.
2. 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.
3. Wellons JC: A crash course in primary care in post-Katrina Mississippi. Oral Presentation at the Annual J. Garber Galbraith Symposium, November, 2005.
4. 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.
5. 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.
6. Wellons JC: NeuroEndoscopy at Children's Hospital: Secondary ETV. Oral presentation at the Neurosurgical Society of Alabama, 2007.
7. 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
8. 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.
9. Wellons, JC: The Hydrocephalus Clinical Research Network – A New Research Engine. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2008.

10. Wellons JC: What is the role of the surgeon in QI methodological studies?. Oral presentation at the Neurosurgical Society of Alabama, 2009.
11. McBride S, Shannon C, Wellons, JC: Predictors of Subgaleal Shunt Conversion in VLBW Infants with Post-Hemorrhagic Hydrocephalus. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2009.
12. Wellons JC: The Results of a multicenter QI protocol to reduce shunt infections. Oral presentation at the Neurosurgical Society of Alabama, 2010
13. Naftel RP, Tubergen E, Shannon C, Gran K, Vance H, Tubbs RS, Rozzelle C, Oakes WJ, Blount JP, Wellons JC: Parental Recognition of Shunt Failure. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2010.
14. Reed GT, Shannon CS, Oakes WJ, Blount JP, Wellons JC, Rozzelle CJ: Hemorrhagic Complications Following Ventriculostomy Shunt Insertion in VLBW Infants with Post-Hemorrhagic Hydrocephalus: Incidence and Associated Clinical Factors. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2010.
15. Kirkman J, Chern J, Shannon C, Anderson T, Tubbs R, Rozzelle C, Wellons JC: When can we not screen infants for tethered spinal cord? An analysis of presenting factors in 1141 infants. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2010.
16. Shannon C, Reed GT, Simon TD, Kilgore ML, Wellons JC: The Economic Impact of Ventriculoperitoneal Shunt Failure. Oral Presentation at the Annual J. Garber Galbraith Symposium, 2010.
17. Miller JH, Chern JJ, Tubbs RS, Whisenhunt T, Johnston JM, Wellons JC, Rozzelle CJ, Blount JP, Oakes WJ: Massive Pediatric Neurosurgical Injuries and Lessons Learned following Recent Tornado Disaster in Alabama. Oral Presentation at the 28<sup>th</sup> Annual J. Garber Galbraith Symposium, 2011.
18. Romeo AK, Naftel RP, Reed GT, Martin R, Shannon CN, Grabb PA, Tubbs RS, Wellons JC: Endoscopic Third Ventriculostomy for Tectal Plate Gliomas: Long-term Outcomes and Ventricular Size. Oral Presentation at the 28<sup>th</sup> Annual J. Garber Galbraith Symposium, 2011.
19. Naftel RP, Reed GT, Kulkarni AV, Wellons JC: Evaluating the Children's Hospital of Alabama Endoscopic Third Ventriculostomy Experience Using the ETV Success Score: An External Validation Study. Oral Presentation at the 28<sup>th</sup> Annual J. Garber Galbraith Symposium, 2011.
20. Ditty BJ, Aryncyna AA, Shannon CN, Oakes WJ, Blount JP, Wellons JC: Applying the MOMS Shunting Criteria to a Single Institutional Experience. Oral Presentation at the 28<sup>th</sup> Annual J. Garber Galbraith Symposium, 2011.
21. Allen, LA, Safiano NA, Falola MI, Broome CE, Shannon CN, Wellons JC: Predictors and Outcomes of Surgical Intervention for Birth-Related Brachial Plexus Palsy. Oral Presentation at the 28<sup>th</sup> Annual J. Garber Galbraith Symposium, 2011.
22. Wellons JC: The Hydrocephalus Clinical Research Network: Improving outcomes in kids through collaborative research. Oral presentation at the Tennessee Neurosurgical Society Annual Meeting, August 9-11, 2013.

## Poster Exhibits:

1. 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.
2. 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.
3. 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.
4. 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.
5. 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
6. 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.
7. 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.
8. 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.
9. Tubbs RS, Ardalani 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.
10. Tubbs RS, Apaydin N, Acakpo-Satchivi L, Oakes WJ, Wellons JC, Blount JP, Loukas M, Wartmann C, Louis 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.
11. 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.
12. 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.

13. Blount J, Shannon C, Westrick A, Chern J, Wellons JC, Rozzelle C, Tubbs RS, Oakes J: Justification of Empiric Vancomycin Utilization for the Treatment of CSF Shunt Infections. AANS/CNS Section on Pediatric Neurological Surgery, 2010.
14. Shannon C, Kirby RS, Tubbs RS, Blount J, Oakes J, Wellons JC. Neonatal Factors are Associated with Ventriculoperitoneal Shunt Failure. AANS/CNS Section on Pediatric Neurological Surgery, 2010.
15. Shannon C, Reed G, Simon T, Kilgore M, Wellons JC. The Economic Impact of Ventriculoperitoneal Shunt Failure AANS/CNS Section on Pediatric Neurological Surgery, 2010.
16. Arychnyna, A, Shannon C, Ditty B, Oakes J, Blount J, Wellons JC. Applying the MOMS Shunting Criteria to a Single Institutional Experience. 40<sup>th</sup> Annual AANS/CNS Section on Pediatric Neurological Surgery, 2011.
17. Shannon CN, Pekala K, Kelly K, Leathers J, Caldwell R, Greeno A, Unni P, Wellons JC, Tulipan N: Glucose levels are predictive of prolonged seizure activity. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2013.
18. Kelly K, Pekala K, Leathers JS, Greeno A, Unni P, Wellons JC, Tulipan N, Shannon CN: Patient characteristics and clinical decision making in the pediatric traumatic brain injury patient population: an institutional review. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2013.
19. Carr K, Wallace A, Tomycz L, Shannon CN, Wellons JC, Tulipan N: Time to first shunt failure in pediatric patients over 1 year old: A 10 year retrospective study. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2013..
20. Riva-Cambrin JK, Kestle J, Browd S, Whitehead WE, Holubkov R, Drake J, Limbrick D, Tamber M, Rozelle C, Simon T, Wellons JC, Kulkarni A: Is there a 'July effect' affecting shunt survival? Revisiting this issue using prospectively collected data from the HCRN's shunt registry. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2013.
21. Wellons JC, Zuckerman S, Eli I, Shah M, Bradley N, Stutz C, Park TS: Radial to axillary nerve neurotization for brachial plexus injury in children: a combined case series and review of the literature. 42<sup>nd</sup> Annual meeting of the AANS/CNS Section on Pediatric Neurological Surgery, 2013

#### **Other Selected Published Abstracts:**

1. 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
2. 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
3. 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.

4. Tulipan N, Carroll MA, Braun S, Dabrowiak M, Crum A, Paschall R, Kavanaugh-McHugh A, Shannon CN, Wellons JC, Bennett K: Reducing perinatal complications and early preterm delivery for patients undergoing in utero closure of fetal Myelomeningocele: further modifications to the multidisciplinary surgical technique. 2013 AANS/CNS Pediatric Section, submitted.

#### **Invited Lectures:**

1. 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.
2. Streamlining Residency Work Patterns Using Secure Integrative PDA Patient Access—"the Palm Project". Morning Session Speaker, AANS, New Orleans, LA. April, 2005.
3. ThinkFirst Alabama: A Head and Spinal Cord Injury Prevention Program. Speaker, Operation CARE (Combined Accident Reduction Effort) International Conference. Birmingham, AL. April 2005.
4. 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.
5. "Put me in, Coach." Return to Play after Sports-related Concussions, Invited Lecturer, Alabama Athletic Trainers Association, June 2010
6. Masters of Cranial Neuroendoscopy. Invited Lecturer, Congress of Neurological Surgeons Annual Meeting, October 2012.
7. A Multidisiplinary Approach to Pediatric Brachial Plexus and Peripheral Nerve Surgery: Lessons learned from interesting trends and "n of 1's". Invited Lecturer, American Society of Pediatric Neurosurgeons 36<sup>th</sup> Annual Meeting, Kauai, HI, February 10-15, 2013.
8. Complication: ETV, When Enough is Enough. Invited Lecturer, American Society of Pediatric Neurosurgeons 36<sup>th</sup> Annual Meeting, Kauai, HI, February 10-15, 2013.
9. Debate: Chiari malformation, durotomy and duraplasty vs. Chiari malformation, no durotomy or duraplasty. Invited Debater, 81<sup>st</sup> AANS Annual Scientific Meeting, New Orleans LA April 27-May 1, 2013.

#### **Invited Faculty:**

1. Invited Faculty: Intracranial Endoscopy: Indications, Techniques, Outcome and Complications. American Association of Neurological Surgeons, April 2006, 2007, 2010
2. Invited Panelist: Handheld Computing: An Essential Tool in Today's Neurosurgical Practice. American Association of Neurological Surgeons, April 2006, 2007

3. Invited Faculty: Congress of Neurological Surgeons:
  - a. Pediatric Brain Tumor Review September 2007
  - b. Pediatric Brain Tumor Treatment Strategies, October 2009
  - c. Top Ten Abstracts – Section on Pediatric Neurological Surgery (2009 Moderator)
  - d. Excellence in Pediatric Neurosurgery: Avoiding Complications (2009 Moderator)
  - e. Masters of Cranial Neuroendoscopy (2011, 2012)
4. Invited Faculty: National Hydrocephalus Association Meeting, June 2008.
5. Invited Faculty: 2009 Joint Meeting of the Society of Neuro-Oncology and the AANS/CNS Section on Tumors: Neurosurgical Oncological Endoscopy
6. Invited Faculty: Course Director: “Neuroendoscopy in the Pediatric Patient: Practical Anatomy & Surgical Education Lab.” AANS/CNS Section on Pediatric Neurological Surgery, 2012.
7. Invited Faculty: Hydrocephalus & Endoscopy: Complication: ETV, When Enough is Enough. American Society of Pediatric Neurosurgeons 36<sup>th</sup> Annual Meeting, Kauai, HI, February 10-15, 2013.