

## CURRICULUM VITAE

**Name:** **Robert Partlow Naftel, M.D.**

**Office Address:** Vanderbilt Children's Hospital  
Department of Neurological Surgery  
Division of Pediatric Neurological Surgery  
2200 Children's Way  
9226 Doctors Office Tower  
Nashville TN 37232-9557

**Office Phone:** **Patients/Clinic:** 615-322-6875  
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**Email:** [robert.p.naftel@vumc.org](mailto:robert.p.naftel@vumc.org)

**Military Service:** none

**Citizenship:** United States

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### **EDUCATION**

2002 B.A. Washington and Lee University  
Lexington City, Virginia

2006 M.D. University of Alabama School of Medicine  
Birmingham, Alabama

### **Postgraduate Training:**

2006-2007 Internship in General Surgery  
2007-2012 Residency in Neurological Surgery  
University of Alabama School of Medicine  
Birmingham, Alabama

2012-2013 Pediatric Neurosurgery Fellow  
University of Pittsburgh Medical Center  
Pittsburgh, Pennsylvania

### **LICENSURE AND CERTIFICATION:**

2007-2012 Alabama MD28642

2012-2013	Pennsylvania	MD445452
2013-	Tennessee	MD49820
2017	American Board of Neurological Surgery	
2017	American Board of Pediatric Neurological Surgery	

**ACADEMIC APPOINTMENTS:**

2012-2013	Instructor Department of Neurosurgery Division of Pediatric Neurosurgery University of Pittsburgh
2013-2019	Assistant Professor Department of Neurological Surgery Division of Pediatric Neurosurgery Vanderbilt University School of Medicine
2019-	Associate Professor Department of Neurological Surgery Division of Pediatric Neurosurgery Vanderbilt University School of Medicine

**HOSPITAL APPOINTMENTS:**

2013-	Attending Physician Department of Neurological Surgery Division of Pediatric Neurosurgery Vanderbilt University Medical Center Monroe Carell Jr Children's Hospital at Vanderbilt
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**PROFESSIONAL ORGANIZATIONS:**

2013-	American Association of Neurological Surgeons
2013-	AANS/CNS Section on Pediatric Neurological Surgery
2013-	Congress of Neurological Surgeons
2013-	Cumberland Pediatric Foundation
2013-	Tennessee Neurosurgical Society
2018-	American Society of Pediatric Neurosurgeons

## **PROFESSIONAL ACTIVITIES:**

### **Intramural**

- 2013- Neurosurgery Task Force
- 2018- Division of Pediatric Neurosurgery Fellowship Director

### **Extramural**

- 2012 *Child's Nervous System*  
Ad hoc reviewer
- 2013 Cure Hydrocephalus Research Advisory  
Board Member
- 2014-2015 Pediatric Blunt Cerebrovascular Injury Study Group  
Investigator
- 2014- Craniopharyngioma Study Group  
Investigator
- 2015- Hydrocephalus Clinical Research Network  
Investigator
- 2018-19 Epilepsy Foundation of Middle and West Tennessee  
Medical Director/Board of Directors Member
- 2018- Neuroethics Canada  
Affiliate Faculty
- 2018-2021 AANS/CNS Joint Guidelines Review Committee
- 2018- American Society of Pediatric Neurosurgery  
Exam Writing Committee  
General Session Moderator, annual meeting 2019
- 2019-21 Epilepsy Foundation of Middle and West Tennessee  
Professional Advisory Board member

## **HONORS:**

- 2001 Vice President of the Student Body,

	Washington and Lee University
2001	Phi Beta Kappa
2002	President of the Student Body Washington and Lee University
2005	Alpha Omega Alpha Medical Honor Society
2009	James A. Nobles Neurosurgery Book Award
2011	Sherry Apple Resident Travel Scholarship, CNS meeting
2012	Resident Leadership Award

**TEACHING ACTIVITIES:**

**Medical School Course:**

2013-	Course Director Pediatric Neurosurgery, SURG 5335 2-week rotation offered 5 separate times throughout school year. Substantially revised course to more integrated student experience Vanderbilt University School of Medicine
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**Graduate School Courses:**

2015	Clinical Mentor Senior Design Engineering Course Steerable Tunneling Device for Ventriculoperitoneal Shunts Vanderbilt University
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**Continuing Medical Education:  
Programs**

2014-	Organizer and Lecturer Department of Neurological Surgery Grand Rounds Vanderbilt University School of Medicine Weekly conference with multiple speakers Substantially revised: structure, content, feedback
2014-	Organizer

Department of Neurological Surgery Morbidity and Mortality  
Vanderbilt University School of Medicine  
Monthly

2014- Organizer, Founder, Lecturer  
Multidisciplinary Pediatric Epilepsy Surgery Conference  
Vanderbilt University School of Medicine  
Weekly  
Developed in collaboration with Epileptologist

2013- Lecturer  
Multidisciplinary Pediatric Neuro-oncology Tumor Board  
Twice monthly

**Other CME Lectures:**

1. Naftel RP. Pediatric Blunt Traumatic Cerebrovascular Injury. Joint Trauma Conference. Children's Hospital of Pittsburgh, Pittsburgh PA. November 13, 2012.
2. Naftel RP. Cranial Nerves. Medical school small group leader. Vanderbilt University School of Medicine, Nashville TN. September 19, 2013
3. Naftel RP. Pediatric Blunt Traumatic Cerebrovascular Injury. Pediatric Surgery Grand Rounds. Department of Pediatric Surgery, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville TN. October 9, 2013.
4. Naftel RP. Cervical Spine Injury and Management. Pediatric Intensive Care Grand Rounds. Division of Critical Care Medicine, Department of Pediatrics, Monroe Carell Jr. Children's Hospital at Vanderbilt, Nashville TN. November 7, 2013
5. Naftel RP. Pediatric Neurosurgery Operative Protocols. Perioperative Meeting. Vanderbilt University Medical Center, Nashville TN. January 22, 2014.
6. Naftel RP. Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization: my Uganda Experience. Department of Neurosurgery Grand Rounds. Vanderbilt University School of Medicine, Nashville TN. February 7, 2014
7. Naftel RP. Neonatal and Infant Hydrocephalus Management. Neonatal Intensive Care Unit Fellows Conference. Division of Critical Care Medicine, Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. March 12, 2014.
8. Naftel RP. Cervical Spine Injury and Management. Pediatric Emergency Medicine Fellows Conference. Division of Emergency Medicine, Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. April 15, 2014.
9. Naftel RP. Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization. Hospitalist Division Meeting, Department of Pediatrics, Monroe Carell Jr. Children's Hospital at Vanderbilt. August 20, 2014.
10. Naftel RP. Surgical Treatment of Pediatric Epilepsy. VUMC and Epilepsy Foundation of East Tennessee Epilepsy Symposium. East Tennessee Children's Hospital. September 27, 2014. Knoxville, TN.
11. Naftel RP. Central Nervous System Tumors in Children: A Multidisciplinary Approach. Monroe Carell Jr. Children's Hospital at Vanderbilt Hospital Board Meeting, Nashville TN. October 27, 2014.

12. Naftel RP. “Uganda and Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization.” Pediatrics Educational Lecture Series. Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. December 4, 2014
13. Naftel RP. Vagus Nerve Stimulator Implantation and Anatomy. Neurosurgery Grand Rounds, Department of Neurosurgery, Vanderbilt University School of Medicine, Nashville TN. December 5, 2015.
14. Naftel RP. "Intraventricular Neuroendoscopy: Limitations at the Frontier of Neurosurgery" Vanderbilt Initiative in Surgery and Engineering (VISE) presentation. Vanderbilt University School of Medicine, Nashville TN. April 9, 2015.
15. Naftel RP. Epilepsy Surgery. Multidisciplinary Neuro ICU Conference. Vanderbilt University Medical Center, Nashville TN. January 19, 2016.
16. Naftel RP. Introduction to Stereo EEG. Neurosurgery Grand Rounds. Department of Neurosurgery, Vanderbilt University School of Medicine, Nashville TN. March 4, 2016.
17. Naftel RP. Hydrocephalus 101. Pediatrics Residency Surgery Education Lectures. Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. March 24, 2016.
18. Naftel RP. Endoscopic Third Ventriculostomy. Pediatrics Educational Lecture Series. Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. August 15, 2016.
19. Naftel RP. Hydrocephalus and Shunts. Pediatrics Residency Lecture Series. Department of Pediatrics, Vanderbilt University School of Medicine, Nashville TN. August 31, 2016.
20. Naftel RP. Surgeon’s Perspective on Epilepsy Surgery Approach. Clinical Neurophysiology Fellows Conference, Department of Neurology, Vanderbilt University School of Medicine, Nashville TN. November 15, 2016.
21. Naftel RP. Epilepsy Surgery. Perioperative Staff Lecture Series. Monroe Carell Jr. Children’s Hospital at Vanderbilt, Nashville TN. November 30, 2016
22. Naftel RP. Evolution of Pediatric Epilepsy Surgery. Knoxville Pediatric Neurology Conference. East Tennessee Children’s Hospital, Knoxville TN. November 30, 2016.
23. Naftel RP. Pediatric Epilepsy Surgery. Department of Pediatric Grand Rounds, Erlanger Hospital, University of Tennessee Medical College in Chattanooga, Chattanooga, TN March 22, 2017
24. Naftel RP. Hydrocephalus 101. Pediatrics’ Pediatric Residents Lecture Series, Department of Pediatrics, Vanderbilt University School of Medicine, Nashville, TN August 4, 2017.
25. Naftel RP, Jordan L. Neurosciences: Teamwork for complex problems. Monroe Carell Jr. Children’s Hospital at Vanderbilt Advisory Board Fall Meeting, Nashville, Tennessee September 20, 2017.
26. Naftel RP. Developing a Pediatric Epilepsy Surgery Program. Department of Neurosurgery Retreat, Vanderbilt University School of Medicine, Nashville, TN October 20, 2017
27. Naftel RP. Pediatric Epilepsy Surgery. Pediatric Neurology ICU Conference, Vanderbilt University School of Medicine, Nashville, TN December 14, 2017.
28. Naftel RP. Surgical Management of Hydrocephalus. NICU Fellows lecture series, Division of Neonatology, Vanderbilt University School of Medicine, Nashville, TN December 15, 2017.

29. Naftel RP. Neuroendoscopy. Neurotology Fellowship Lecture Series, Department of Otolaryngology, Vanderbilt University School of Medicine, Nashville, TN January 11, 2018.
30. Naftel RP. PED Surgical Options and Indications in Epilepsy. Epilepsy Foundation Middle and West Tennessee and Vanderbilt Pediatric Neurology Department's Seizures and Brain Injury 101 Workshop, Nashville TN. March 2, 2018
31. Naftel RP. Pediatric Pituitary Surgery. Pediatric Endocrinology Division Conference, Vanderbilt University School of Medicine, Nashville TN April 27, 2018.
32. Naftel RP. Hydrocephalus and Treatment. Pediatric Residency Surgery Lectures, Department of Pediatrics, Vanderbilt University School of Medicine, September 28, 2018.
33. Naftel RP. Surgical Approaches to Epilepsy Surgery. Epilepsy Fellow Lecture, Department of Neurology, Vanderbilt University School of Medicine, Nashville TN October 2, 2018.
34. Naftel RP, Duddy B. Current Trends in Epilepsy. Tennessee Association of School Nurses annual conference, Murfreesboro TN October 26, 2018.
35. Naftel RP. Pediatric Epilepsy Surgery. Military Caregiver Awareness Symposium, Ft. Campbell, Kentucky November 2, 2018.

### **Clinical Teaching**

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| 2013- | Pediatric Neurosurgery Morning Report<br>Vanderbilt University Medical Center<br>Daily<br>Case based learning   |
| 2013- | Pediatric Neurosurgery Operative Technique<br>Vanderbilt University Medical Center<br>3 days per week<br>Direct demonstration, instruction, and critique            |
| 2013- | Pediatric Neurosurgery Outpatient Clinic Management<br>Vanderbilt University Medical Center<br>1.5 days per week<br>Direct demonstration, instruction, and critique |

### **RESEARCH TRAINING:**

1. Clinical and Translational Scientist Training Program-I have completed the NIH-sponsored (1UL1RR02577) UAB Clinical and Translation Science Training Program
2. Completed the American Physiology Society Professional Skills Training Course: Writing and Reviewing for Scientific Journals, 2010

### **RESEARCH SUPERVISION:**

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|-----------|------------------------|
| 2013-2015 | Babatunde Akinpelu, MD |
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Radiology Resident  
University of Washington

2014-2016

Lucy He, MD  
Neurosurgery Attending  
Anchorage, AK

2015-

Michael Dewan, MD, MSCI  
Neurosurgery Resident  
Vanderbilt University School of Medicine  
Nashville TN  
Pediatric Neurosurgery fellow applicant

2015-2018

Abbas Rattani, MBe  
MS4 Medical Student  
Loyola University  
Neurosurgery Residency applicant

2016-

Akshikumar Mistry, MD  
Neurosurgery Resident  
Vanderbilt University School of Medicine  
Nashville TN

2017-

Silky Chotai, MD  
Neurosurgery Resident  
Vanderbilt University School of Medicine  
Nashville TN

2017-

Andrew Hale, MS  
Medical Scientist Training Program  
Vanderbilt University School of Medicine  
Nashville TN

2018-

Rebecca Reynolds, MD  
Neurosurgery Resident  
Vanderbilt University School of Medicine

2018-

Jonathan Dallas, BS  
Medical Student  
Vanderbilt University School of Medicine  
Nashville TN

**RESEARCH PROGRAM/GRANT SUPPORT:**

Active:

Title: Informing choice for neurotechnological innovation in pediatric epilepsy surgery  
Year: 9/1/2018 – 8/30/2021  
Source: National Institutes of Health - 1R01MH117805  
Role: Site PI  
Amount: \$542,215.91  
Effort: 2.5%

Pending:

Title: Endoscopic versus Shunt Treatment of Hydrocephalus in Infants (ESTHI)  
Year: 5/1/2019-4/30/2024  
Source: National Institutes of Health- U01-12668795  
Role: Site PI  
Amount: \$75,175/year

## **PUBLICATIONS AND PRESENTATIONS:**

### **Articles**

1. Tubbs RS, Naftel RP, Rice WC, Liechty P, Conklin M, Oakes WJ: The patient with symptoms following resection of a lipomyelomeningocele: do increases in the lumbosacral angle indicate a tethered spinal cord? **J Neurosurg** **105**:62-64, 2006
2. Reed MA, Naftel RP, Carter S, MacLennan PA, McGwin G, Jr., Rue LW, 3rd: Motor vehicle restraint system use and risk of spine injury. **Traffic Inj Prev** **7**:256-263, 2006
3. Tubbs RS, Bui CJ, Rice WC, Loukas M, Naftel RP, Holcombe MP, et al: Critical analysis of the Chiari malformation Type I found in children with lipomyelomeningocele. **J Neurosurg** **106**:196-200, 2007
4. Tubbs RS, Winters RG, Naftel RP, Acharya VK, Conklin M, Shoja MM, et al: Predicting orthopedic involvement in patients with lipomyelomeningoceles. **Childs Nerv Syst** **23**:835-838, 2007
5. Naftel RP, Tubbs RS, Reed GT, Wellons JC, 3rd: Small ventricular access prior to rigid neuroendoscopy. **J Neurosurg Pediatr** **6**:325-328, 2010
6. Tubbs RS, Radcliff V, Shoja MM, Naftel RP, Mortazavi MM, Zurada A, et al: Dorello Canal Revisited: An Observation That Potentially Explains the Frequency of Abducens Nerve Injury After Head Injury. **World Neurosurg**, 2011
7. Tubbs RS, Beckman J, Naftel RP, Chern JJ, Wellons JC, Rozzelle CJ, et al: Institutional experience with 500 cases of surgically treated pediatric Chiari malformation Type I. **J Neurosurg Pediatr** **7**:248-256, 2011
8. Chern JJ, Gordon AS, Naftel RP, Tubbs RS, Oakes WJ, Wellons JC. Intradural spinal endoscopy in children. **J Neurosurg Pediatr** 2011 Jul;8(1):107-11 PMID 21721897.
9. Tubbs RS, Hallock JD, Radcliff V, Naftel RP, Mortazavi M, Shoja MM, et al: Ligaments of the craniocervical junction. **J Neurosurg Spine**, 2011

10. Naftel RP, Reed GT, Kulkarni AV, Wellons JC: Evaluating the Children's Hospital of Alabama endoscopic third ventriculostomy experience using the Endoscopic Third Ventriculostomy Success Score: an external validation study. **J Neurosurg Pediatr** 8:494-501, 2011
11. Naftel RP, Argo JL, Shannon CN, Taylor TH, Tubbs RS, Clements RH, et al: Laparoscopic versus open insertion of the peritoneal catheter in ventriculoperitoneal shunt placement: review of 810 consecutive cases. **J Neurosurg**, 2011
12. Naftel RP, Shannon CN, Reed GT, Martin R, Blount JP, Tubbs RS, et al: Small-ventricle neuroendoscopy for pediatric brain tumor management. **J Neurosurg Pediatr** 7:104-110, 2011
13. Naftel RP, Tubergen E, Shannon CN, Gran KA, Vance EH, Oakes WJ, et al: Parental recognition of shunt failure: a prospective single-institution study. **J Neurosurg Pediatr** 9:363-371, 2012
14. Naftel RP, Tubbs RS, Menendez JY, Wellons JC, 3<sup>rd</sup>, Pollack IF, Oakes WJ: Worsening or Development of Syringomyelia after Chiari 1 Decompression. **J Neurosurg Pediatr**, 12(4):351-56 2013.
15. Foreman P, Naftel RP, Wellons JC. Validation and modification of a predictive model of post-resection hydrocephalus in pediatric patients with posterior fossa tumors. **J Neurosurg Pediatr**, 12(3):220-6, 2013
16. Naftel RP, Tubbs RS, Menendez JY, Oakes WJ: Progression of Chiari I malformations while on growth hormone replacement: a report of two cases. **Childs Nerv Syst**, Dec;29(12):2291-4 2013.
17. Naftel RP, Safiano NA, Falola M, Blount JP, Oakes WJ, Wellons JC, 3<sup>rd</sup>: The association between race and frequent shunt failure: a single-center study. **J Neurosurg Pediatr** 11:552-557, 2013
18. Romeo A, Naftel RP, Griessenauer CJ, Reed GT, Martin R, Shannon CN, et al: Long-term change in ventricular size following endoscopic third ventriculostomy for hydrocephalus due to tectal plate gliomas. **J Neurosurg Pediatr** 11:20-25, 2013
19. Naftel RP, Safiano NA, Falola MI, Shannon CN, Wellons JC, 3<sup>rd</sup>, Johnston JM, Jr.: Technology preferences among caregivers of children with hydrocephalus. **J Neurosurg Pediatr** 11:26-36, 2013
20. Schulte R, Jordan LC, Morad A, Naftel RP, Wellons JC 3<sup>rd</sup>, Sidonio R: Rise in late onset vitamin K deficiency bleeding in young infants because of omission or refusal of prophylaxis at birth. **Pediatr Neurol**, Jun;50(6):564-8 2014.
21. Ladner TR, Mahdi J, Attia A Froehler MT, Le TM, Lorinc AN, Mocco J, Naftel RP, Newton AT, Pruthi S, Tenenholz T, Vance EH, Wushensky CA, Wellons JC 3<sup>rd</sup>, Jordan LC. A multispecialty pediatric neurovascular conference: a model for interdisciplinary management of complex disease. **Pediatr Neurol** Epub 2014 Oct 16; **Pediatr Neurol** 2015 Feb;52(2):165-73.
22. Naftel RP, Pollack IF, Zuccoli G, Deutsch M, Jakacki R: Pseudoprogression of low grade gliomas after radiotherapy. **Pediatr Blood Cancer** Epub 2014 Sep 11; **Pediatr Blood Cancer**, 2015 Jan;62(1):35-9.
23. Foreman PM, Naftel RP, Moore TA 2<sup>nd</sup>, Hadley MN. The lateral extracavitary approach to the thoracolumbar spine: a case series and systematic review. **J Neurosurg Spine** Epub 2015 Dec 18; **J Neurosurg Spine** 2016 Apr;24(4):570-9. PMID 26682602

24. Akinpelu BJ, Zuckerman SL, Gannon SR, Westrick A, Shannon C, Naftel RP. Pediatric isolated thoracic and/or lumbar transverse and spinous process fractures. **J Neurosurg Pediatr**, Epub 2016 Feb 19; **J Neurosurg Pediatr**, 2016 Jun;17(6):639-44. PMID: 26894517
25. He L, Gannon S, Shannon CN, Rocque BG, Riva-Cambrin J, Naftel RP. Surgeon interrater reliability in the endoscopic assessment of cistern scarring and aqueduct patency. **J Neurosurg Pediatr**. Epub 2016 May 27; **J Neurosurg Pediatr**. 2016 Sep;18(3):320-4. PMID: 27231825
26. Franklin AD, Menser CC, Naftel RP. Fluoroscopically guided epidural blood patch effective for treatment of a postsurgical pseudomeningocele in a pediatric patient. **Reg Anesth Pain Med**. 2016 Jul-Aug;41(4):542-3 PMID: 27315177
27. Ravindra VM, Bollo R, Sivakumar W, Akbari H, Naftel RP, Limbrick DD, Jea A, Gannon SR, Shannon C, Birkas Y, Yang GL, Prather CT, Kestle J, Riva-Cambrin J. **J Neurotrauma**. Epub 2016 Jul 25; **J Neurotrauma**. 2017 Jan 15;34(2):391-399. PMID 27297774
28. Dewan MC, Ravindra VM, Gannon S, Prather CT, Yang GL, Jordan LC, Limbrick D, Jea A, Riva-Cambrin J, Naftel RP. Treatment practices and outcomes after blunt cerebrovascular injury in children. **Neurosurgery** 2016 Dec;79(6):872-878. PMID 27465848
29. Dewan MC, Lim J, Morgan CD, Gannon SR, Shannon CN, Wellons JC 3<sup>rd</sup>, Naftel RP. Endoscopic third ventriculostomy with choroid plexus cauterization outcome: distinguishing success from failure. **J Neurosurg Pediatr**. Epub 2016 Aug 26; **J Neurosurg Pediatr**. 2016 Dec;25(6):655-662. PMID 27564786
30. Whitehead WE, Riva-Cambrin J, Kulkarni AV, Wellons JC 3<sup>rd</sup>, Rozzelle CJ, Tamber MS, Limbrick DD Jr, Browd SR, Naftel RP, Shannon CN, Simon TD, Holubkov R, Illner A, Cochrane DD, Drake JM, Luerssen TG, Oakes WJ, Kestle JR; for the Hydrocephalus Clinical Research Network. Ventricular catheter entry site and not catheter tip location predicts shunt survival: a secondary analysis of 3 large pediatric hydrocephalus studies. **J Neurosurg Pediatr**. Epub 2016 Nov 4; **J Neurosurg Pediatr**. 2017 Feb;19(2):157-167. PMID 27813457
31. Dewan MC, Naftel RP. The global rise of endoscopic third ventriculostomy with choroid plexus cauterization in pediatric hydrocephalus. **Pediatr Neurosurg**. Epub 2016 Dec 22. **Pediatr Neurosurg**. 2017;52(6):401-408. PMID 28002814
32. Mummareddy N, Dewan MC, Mercier MR, Naftel RP, Wellons JC 3<sup>rd</sup>, Bonfield CM. Scoliosis in myelomeningocele: epidemiology, management and functional outcome. **J Neurosurg Pediatr** Epub 2017 Apr 28:1-10. **J Neurosurg Pediatr**. 2017 Jul;20(1):99-108. PMID: 28452655
33. Mistry AM, Kumar NG, Reynolds RA, Hale AT, Wellons JC 3<sup>rd</sup>, Naftel RP. Global diversity and academic success of foreign-trained academic neurosurgeons in the United States. **World Neurosurg**. Epub 2017 Apr 30. **World Neurosurg**. 2017 Aug;104:900-903. PMID 28465272
34. Ravindra VM, Dewan MC, Akbari H, Bollo RJ, Limbrick D, Jea A, Naftel RP, Riva-Cambrin JK. Management of penetrating cerebrovascular injuries in pediatric trauma: a retrospective multicenter study. **Neurosurgery** Epub 2017 May 5. **Neurosurgery** 2017 Sep 1;81(3):473-480. PMID 28475705.

35. Rattani A, Dewan MC, Hannig V, Naftel RP, Wellons JC 3<sup>rd</sup>, Jordan LC. Cerebral hemorrhage in monozygotic twins with hereditary hemorrhagic telangiectasia: case report and hemorrhagic risk evaluation. **J Neurosurg Pediatr**. Epub 2017 May 19. **J Neurosurg Pediatr**. 2017 Aug;20(2):164-169. PMID 28524787
36. Hale AT, Alvarado A, Bey AK, Pruthi S, Mencio GA, Bonfield CM, Martus JE, Naftel RP. X-ray vs CT in identifying significant C-spine injuries in the pediatric population. **Childs Nerv Syst**. Epub 2017 Jun 27. **Childs Nerv Syst**. 2017 Nov;33(11):1977-1983. PMID: 28656384
37. Chotai S, Guidry BS, Chan EW, Sborov KD, Gannon S, Shannon C, Bonfield CM, Wellons JC 3<sup>rd</sup>, Naftel RP. Unplanned readmission within 90 days after pediatric neurosurgery. **J Neurosurg Pediatr**. Epub 2017 Oct 13:1-7. **J Neurosurg Pediatr**. 2017 Dec;20(6):542-548. PMID: 29027867
38. Kulkarni AV, Riva-Cambrin J, Rozzelle CJ, Naftel RP, Alvey JS, Reeder RW, Holubkov R, Browd SR, Cochrane DD, Limbrick DD Jr, Simon TD, Tamber M, Wellons JC 3<sup>rd</sup>, Whitehead WE, Kestle JRW. Endoscopic third ventriculostomy and choroid plexus cauterization in infant hydrocephalus: a prospective study by the Hydrocephalus Clinical Research Network. **J Neurosurg Pediatr**. Epub 2017 Dec 15:1-10. **J Neurosurg Pediatr**. 2018 Mar;21(3):214-223. PMID 29243972
39. Dewan MC, Shults R, Hale AT, Sukul V, Englot DJ, Konrad P, Yu H, Neimat JS, Rodriguez W, Dawant BM, Pallvaram S, Naftel RP. Stereotactic EEG via multiple single-path omnidirectional trajectories within a single platform: institutional experience with a novel technique. **J Neurosurg**. 2017 Dec 15:1-9 [Epub ahead of print] PMID: 29243976
40. Dewan MC, Lim J, Gannon SR, Heaner D, Davis MC, Vaughn B, Chern JJ, Rocque BG, Klimo P Jr., Wellons JC 3<sup>rd</sup>, Naftel RP. Comparison of hydrocephalus metrics between infants successfully treated with endoscopic third ventriculostomy with choroid plexus cauterization and those treated with a ventriculoperitoneal shunt: a multicenter matched-cohort analysis. **J Neurosurg Pediatr**. Epub 2018 Feb 2. **J Neurosurg Pediatr**. 2018 Apr;21(4):339-345. PMID 29393809
41. Bonfield CM, Pellegrino R, Berkman J, Naftel RP, Shannon CN, Wellons JC 3<sup>rd</sup>. Oral presentation to publication: publication rates of abstract presentations across two pediatric neurosurgical meetings. **J Neurosurg Pediatr**. Epub 2018 Mar 9. **J Neurosurg Pediatr**. 2018 Jun;21(6):650-654. PMID: 29521604
42. Dave P, Venable GT, Jones TL, Khan NR, Albert GW, Chern JJ, Wheelus JL, Governale LS, Huntoon KM, Maher CO, Bruzek AK, Mangano FT, Mehta V, Beaudoin W, Naftel RP, Basem J, Whitney A, Shimony N, Rodriguez LF, Vaughn BN, Klimo P Jr. The preventable shunt revision rate: a multicenter evaluation. **Neurosurgery**. Epub 2018 Jul 6. **Neurosurgery** 2019 Mar 1;84(3):788-798. PMID 29982642
43. Rattani A, Lim J, Mistry AM, Prablek MA, Roth SG, Jordan LC, Shannon CN, Naftel RP. Incidence of Epilepsy and Associated Risk Factors in Perinatal Ischemic Stroke Survivors. **Pediatr Neurol**. Epub 2018 Sep 21. **Pediatr Neurol**. 2019 Jan;90:44-55. PMID: 30409458
44. Lim J, Tang AR, Liles C, Hysong AA, Hale AT, Bonfield CM, Naftel RP, Wellons JC, Shannon CN. The cost of hydrocephalus: a cost-effectiveness model for evaluating

- surgical techniques. **J Neurosurg Pediatr.** 2018 Oct 1:1-10 [Epub ahead of print] PMID: 30497214
45. Hale AT, Monsour MA, Rolston JD, Naftel RP, Englot DJ. Deep brain stimulation in pediatric dystonia: a systematic review. **Neurosurg Rev.** 2018 Nov 5 [Epub ahead of print] Review. PMID: 30397842
  46. Dallas J, Englot DJ, Naftel RP. Neurosurgical approaches to pediatric epilepsy: Indications, techniques, and outcomes of common surgical procedures. **Seizure.** 2018 Nov 16. pii: S1059-1311(18)30546-6. [Epub ahead of print]. Review. PMID: 30473268
  47. Greenberg JK, Jeffe DB, Carpenter CR, Yan Y, Pineda JA, Lumba-Brown A, Keller MS, Berger D, Bollo RJ, Ravindra VM, Naftel RP, Dewan MC, Shah MN, Burns EC, O'Neill BR, Hankinson TC, Whitehead WE, Adelson PD, Tamber MS, McDonald PJ, Ahn ES, Titsworth W, West AN, Brownson RC, Limbrick DD. North American survey on the post-neuroimaging management of children with mild head injuries. **J Neurosurg Pediatr.** 2018 Oct 26;23(2):227-235. PMID: 30485194
  48. Mummareddy N, Legarreta AD, Yengo-Kahn AM, Bow HC, Solomon GS, Naftel RP, Zuckerman SL. Sport-related structural brain injury in high school soccer: epidural hemorrhage after a "header". **World Neurosurg.** 2019 Mar 27. Pii: S1878-8750(19)30878-2 [Epub ahead of print] PMID 30928598
  49. Hale AT, Stanton AN, Zhao S, Haji F, Gannon SR, Arynchyna A, Wellons JC, Rocque BG, Naftel RP. Predictors of endoscopic third ventriculostomy ostomy status in patients who experience failure of endoscopic third ventriculostomy with choroid plexus cauterization. **J Neurosurg Pediatr.** 2019 Apr 19:1-6. [Epub ahead of print] PMID: 31003223
  50. Short B, Kozek L, Harmsen H, Zhang B, Wong M, Ess KC, Fu C, Naftel R, Pearson MM, Carson RP. Cerebral aquaporin-4 expression is independent of seizures in tuberous sclerosis complex. **Neurobiol Dis.** 2019 May 9;129:93-101. [Epub ahead of print] PMID 31078684
  51. Riva-Cambrin J, Kestle JRW, Rozelle CJ, Naftel RP, Alvey JS, Reeder RW, Holubkov R, Browd SR, Cochrane DD, Limbrick DD, Shannon CN, Simon TD, Tamber MS, Wellons JC, Whitehead WE, Kulkarni AV; Hydrocephalus Clinical Research Network. Predictors of success for combined endoscopic third ventriculostomy and choroid plexus cauterization in a North American setting: a Hydrocephalus Clinical Research Network study. **J Neurosurg Pediatr.** 2019 May 31:1-11. [Epub ahead of print] PMID: 31151098

## Book Chapters, Invited Review Articles

1. Naftel RP and Pollack IF. “Pilocytic Astrocytoma and Other Indolent Tumors” in *Neuro-Oncology: The Essentials 3rd edition*. Bernstein M, Berger MS (Eds), Thieme Medical Publishers, New York, 2014
2. Naftel RP and Pollack IF. “The Phakomatoses” in *Principles and Practice of Pediatric Neurosurgery 3<sup>rd</sup> Edition*. Albright AL, Pollack IF, Adelson PD (Eds), Thieme Medical Publishers, New York, 2015.
3. Blount JB, Naftel RP, Ditty B, Conklin. “Infections of the Spinal Axis” in *Principles and Practice of Pediatric Neurosurgery 3<sup>rd</sup> Edition*. Albright AL, Pollack IF, Adelson PD (Eds), Thieme Medical Publishers, New York, 2015.
4. Naftel RP, Tyler-Kabara E, Pollack IF. “Cerebral Hemispheric Tumors” in *Pediatric Neurosurgery: Tricks of the Trade*. Cohen A (Ed.), Thieme Medical Publishers, New York, 2015.
5. Naftel RP and Wellons JC, 3<sup>rd</sup>. “Advances in Neuroendoscopy” in *Pediatric Neurosurgery: Tricks of the Trade*. Cohen A (Ed.), Thieme Medical Publishers, New York, 2015
6. Dewan MC, Wellons JC, Naftel RP. “Hydrocephalus and Spina Bifida” in *Cerebrospinal Fluid Disorders: Lifelong Implications*, Limbrick D, Leonard J (eds), Springer International, New York, 2018.
7. Naftel RP, Johnston J, Wellons JC. “Hydrocephalus” in *The Chiari Malformations, E2*. Tubbs RS, Turgut M, Oskouian RJ, Oakes JW (eds), Springer International, New York (pending)

## Presentations at Scientific Meetings:

1. Naftel RP, Argo JL, Taylor TH, Fisher WS 3<sup>rd</sup>, Clements RH, Harrigan MR: Laparoscopic Ventriculoperitoneal Shunt Surgery: Review of 819 consecutive cases. Oral Presentation, Southern Neurosurgical Society Meeting, Boca Raton, Florida, February 24-27, 2010. Peer reviewed
2. Naftel RP, Argo JL, Shannon C, Taylor TH, Clements RH, Harrigan MR: Body Mass Index and Shunt Failure in Ventriculoperitoneal Shunts Inserted by Open Technique. Oral Presentation at the Neurosurgical Society of Alabama, Point Clear, Alabama, May 21-22, 2010. Peer reviewed
3. Naftel RP, Tubergen E, Shannon C, Gran KA, Vance H, Oakes WJ, Blount JP, Wellons JC, 3<sup>rd</sup>: Parental Recognition of Shunt Failure: A Prospective Single-Institution Study. Oral Presentation, Galbraith Scientific Session, University of Alabama, Birmingham, Oct 29, 2010. Peer reviewed
4. Romeo A, Naftel RP, Reed GT, Martin R, Shannon C, Grabb PA, Tubbs RS, Wellons JC, 3<sup>rd</sup>: Endoscopic Third Ventriculostomy for Tectal Plate Gliomas: Long-term Outcomes and Ventricular Size. Oral Presentation, American Association of Neurological Surgeons/Congress of Neurological Surgeons (AANS/CNS) Section on Pediatric

- Neurological Surgery annual meeting, Cleveland, OH, Nov 30-Dec 3, 2010. Peer reviewed
5. Naftel RP, Tubergen E, Shannon C, Gran KA, Vance H, Oakes WJ, Blount JP, Wellons JC, 3<sup>rd</sup>: Parental Recognition of Shunt Failure: A Prospective Single-Institution Study. Oral Presentation, Southern Neurosurgical Society Meeting, Orlando, Florida, February 23-27, 2011. Peer reviewed
  6. Naftel RP, Reed GT, Kulkarni AV, Wellons JC, 3<sup>rd</sup>: Evaluating the Children's Hospital of Alabama Endoscopic Third Ventriculostomy Experience Using the ETV Success Score: an External Validation Study. Oral Presentation, Congress of Neurological Surgeons annual meeting, Washington, DC, Oct 1-6, 2011. Peer reviewed
  7. Naftel RP, Deutsch, Jakacki R, Pollack IF: Pseudoprogession of low grade gliomas after radiotherapy. Oral Presentation, AANS/CNS Section on Pediatric Neurological Surgery annual meeting, St. Louis, MO, Nov 27-30, 2012. Peer reviewed
  8. Naftel RP, Safiano NA, Falola M, Blount JP, Oakes WJ, Wellons JC, 3<sup>rd</sup>: The association between race and malignant shunt failure. Oral Presentation, AANS/CNS Section on Pediatric Neurological Surgery annual meeting, St. Louis, MO, Nov 27-30, 2012. Peer reviewed
  9. Naftel RP: Pseudoprogession of low grade gliomas after radiotherapy. Oral Presentation, Galbraith Scientific Session, University of Alabama, Birmingham, Nov 8, 2013. Peer reviewed
  10. Naftel RP. Management of Neonatal Hydrocephalus. Annual Neonatology Symposium, Division of Neonatology, Monroe Carell Jr. Children's Hospital at Vanderbilt. November 14, 2014. Nashville, TN. Invited
  11. Naftel RP. Surgeon Interrater Reliability in Assessing Cistern Scarring and Aqueduct Patency using MRI. Hydrocephalus Clinical Research Network Meeting. April 16, 2015. Toronto, Canada. Invited
  12. Naftel RP. Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization: the Vanderbilt Experience. Tennessee Neurosurgery Society. August 16, 2015. Nashville, TN. Peer reviewed
  13. He L, Gannon S, Shannon CN, Rocque BG, Riva-Cambrin J, Naftel RP. Surgeon Interrater Reliability in Endoscopic Assessment of Cistern Scarring and Aqueduct Patency. Oral Presentation, AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Seattle, WA, Dec 8-11, 2015. Peer reviewed
  14. Dewan MC, Ravindra VM, Gannon S, Prather CT, Yang GL, Limbrick D, Jea A, Riva-Cambrin J, Naftel RP. Treatment Practices and Outcomes Following Blunt Cerebrovascular Injury in Children. Oral Presentation. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Seattle, WA, Dec 8-11, 2015. Peer reviewed
  15. Naftel RP: Discriminating Success from Failure in Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization: When Should We Reintervene? Oral Presentation, American Society of Pediatric Neurosurgery Meeting, Aruba, Jan 31-Feb 5, 2016. Peer reviewed
  16. Chotai S, Sborov K, Bonfield C, Wellons JC, Naftel RP. Unplanned Readmission and Return to Operating Room within 90-days of Pediatric Neurosurgery. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Orlando, Florida Dec 6, 2016. Peer reviewed

17. Prablek M, Brown A, Gannon S, Dewan M, Naftel RP. Cerebrospinal Fluid Composition after Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Orlando, Florida Dec 6, 2016. Peer reviewed
18. Bonfield CM, Pellegrino R, Berkman J, Naftel RP, Shannon CN, Wellons JC. Comparing Publication rates across pediatric neurosurgical meetings. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Orlando, Florida Dec 6, 2016. Peer reviewed
19. Dewan MC, Lim J, Gannon SR, Heaner D, Davis MC, Vaughn B, Chern JJ, Rocque BG, Klimo P Jr., Wellons JC 3rd, Naftel RP. Comparison of hydrocephalus metrics between infants successfully treated with endoscopic third ventriculostomy with choroid plexus cauterization and those treated with a ventriculoperitoneal shunt: a multicenter matched-cohort analysis. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Houston, TX. Nov 30, 2017. Peer reviewed
20. Naftel RP. Spasticity. The 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Nashville, TN. Dec 6, 2018. Peer reviewed
21. Mistry AM, Mummareddy N, CreveCoeur TS, Lillard JC, Vaughn BN, Gallant J-N, Hale AT, Griffin N, Wellons JC, Limbrick DD Jr, Klimo P Jr, Naftel RP. Supratentorial pediatric high-grade gliomas involved with the subventricular neural stem cell niche are associated with decreased survival: a multi-institutional retrospective study. The 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Nashville, TN. December 7, 2018. Peer reviewed
22. Stanton A, Hale A, Zhao S, Haji F, Gannon S, Wellons JC, Rocque B, Naftel RP. Predictors of ETV ostomy status in patients who fail ETV/CPC. The 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Nashville, TN. Dec 7, 2018. Peer reviewed
23. Reynolds RA, Naftel RP. Collaborative research proposal: identifying predictors for unchanged ventricular size during ventriculoperitoneal shunt malfunction. The 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Nashville, TN. Dec 8, 2018. Peer reviewed
24. Albert G, Naftel RP: Moderators in General Session II: General Abstracts – Hydrocephalus. 42<sup>nd</sup> Annual Meeting of the American Society of Pediatric Neurosurgeons, Kauai, Hawaii, January 28, 2019. Peer reviewed.
25. Naftel RP. Metastatic renal cell carcinoma in Von Hippel Lindau disease without appropriate screening. Oral presentation at the 42<sup>nd</sup> annual meeting of the American Society of Pediatric Neurosurgeons, Kauai, Hawaii. January 30, 2019. Peer reviewed
26. Dallas J, Naftel RP, Shannon CN. Pediatric intrathecal baclofen pumps – a descriptive analysis of hospital course and associated costs. Oral presentation at the 70<sup>th</sup> Southern Neurosurgical Society annual meeting, Key Largo, Florida. February 20-23, 2019. Peer reviewed
27. Bezzerides M, Hale AT, Zhao S, Gannon SR, Naftel RP, Shannon CN, Wellons JC. Modification and expansion of a predictive scoring model for postresection hydrocephalus in pediatric patients with posterior fossa tumors. Oral presentation at the 70<sup>th</sup> Southern Neurosurgical Society annual meeting, Key Largo, Florida. February 20-23, 2019. Peer reviewed

## Poster Presentations

1. Naftel RP, Walters B, Guthrie B, Hadley MN: Patient Satisfaction with Spine Surgery: A Systematic Review. Joint Spine Section Neurosurgical Meeting, Phoenix, AZ, Mar 9-12, 2011.
2. Safiano N, Shannon C, Naftel RP: Developing an Observational Study in a Pediatric Hospital. UAB Research Expo, Honorable Mention, 2011
3. Naftel RP, Blount JP: YouTube and Hydrocephalus: content quality, reliability, and comprehensiveness. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, St. Louis, MO, Nov 27-30, 2012
4. Naftel RP, Tubbs RS, Menendez JY, Wellons JC, 3<sup>rd</sup>, Pollack IF, Oakes WJ: Worsening or Development of Syringomyelia after Chiari 1 Decompression. AANS/CNS Section on Pediatric Neurological Surgery annual meeting, St. Louis, MO, Nov 27-30, 2012.
5. Menser C, Franklin MD, Naftel RP. Epidural Blood Patch for Management of a Post-surgical Pseudomeningocele in a Pediatric Patient. American Society of Anesthesiologist Meeting, San Diego CA. October 2015.
6. Avarado A, Bey AK, Shannon CN, Naftel RP. Identifying Significant C-spine Injuries in Pediatric Trauma Patients: Can We Reduce the Use of CT? AANS/CNS Section on Pediatric Neurological Surgery annual meeting, Seattle, WA, Dec 8-11, 2015.
7. Whelan R, Prince E, Mirsky D, Naftel R, Bhatia A, Pettorini B, Avula S, Staulcup S, Cox-Martin M, Hankinson TC. Inter-rater reliability of a method for determining the pre-operative hypothalamic involvement of pediatric craniopharyngioma. Poster Presentation at 18<sup>th</sup> International Symposium on Pediatric Neuro-Oncology. Denver, CO, USA, 1 July 2018.
8. Hale A, Gannon S, Zhao S, Dewan M, Bhatia R, Stanton A, Naftel RP, Shannon CN, Pruthi S, Wellons JC. Dural graft closure reduces post-operative complications in pediatric patients undergoing posterior fossa brain tumor resection independent of perioperative EVD placement. Poster presentation at 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting. Nashville, TN, USA December 6-9, 2018.
9. Reynolds RA, Dixon M, Gannon S, Bonfield CM, Naftel RP, Wellons JC, Shannon CN. The roles of socioeconomic status and parental concern in pediatric hydrocephalus management. Poster presentation at 47<sup>th</sup> AANS/CNS Section on Pediatric Neurological Surgery annual meeting. Nashville, TN, USA December 6-9, 2018.