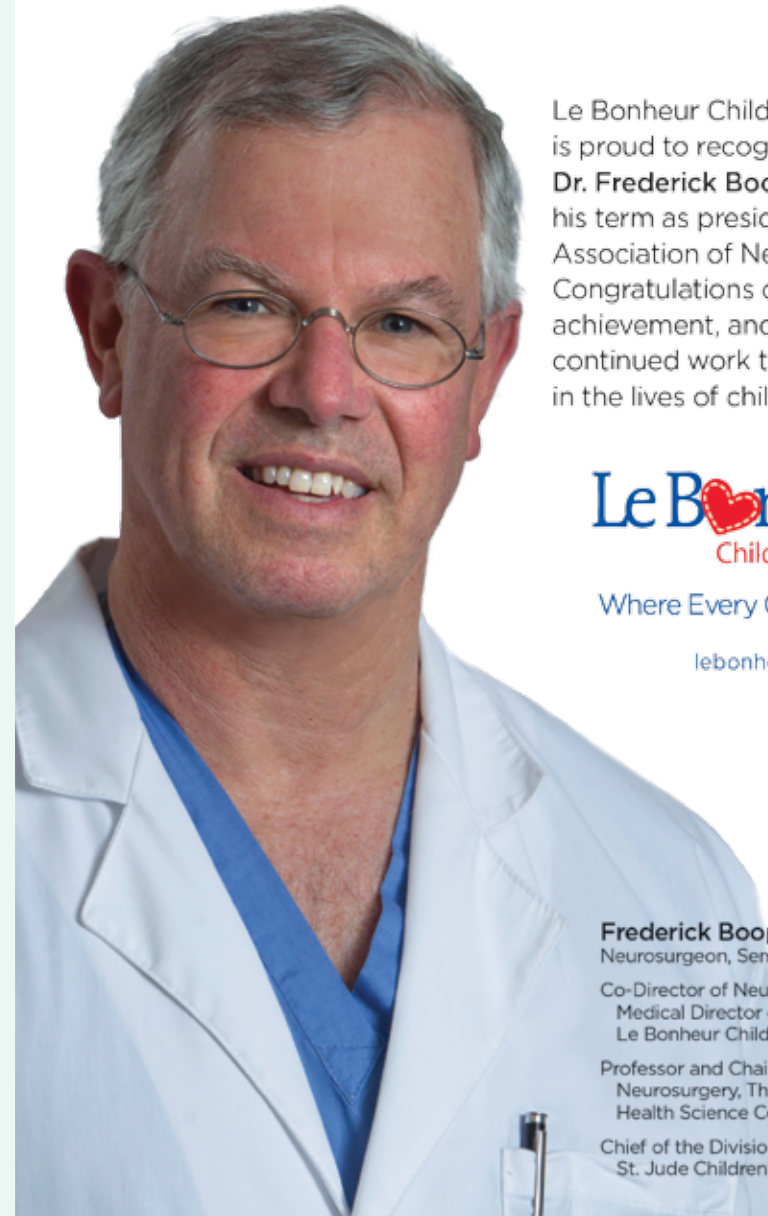




Leadership at its finest.



Le Bonheur Children's Hospital is proud to recognize our own, **Dr. Frederick Boop**, for completing his term as president of the American Association of Neurological Surgeons. Congratulations on this impressive achievement, and thank you for your continued work to make a difference in the lives of children everywhere.

Le Bonheur
Children's Hospital

Where Every Child Matters

lebonheur.org



Frederick Boop, M.D.
Neurosurgeon, Semmes-Murphy

Co-Director of Neuroscience Institute and
Medical Director of the Neurosurgical ICU,
Le Bonheur Children's Hospital

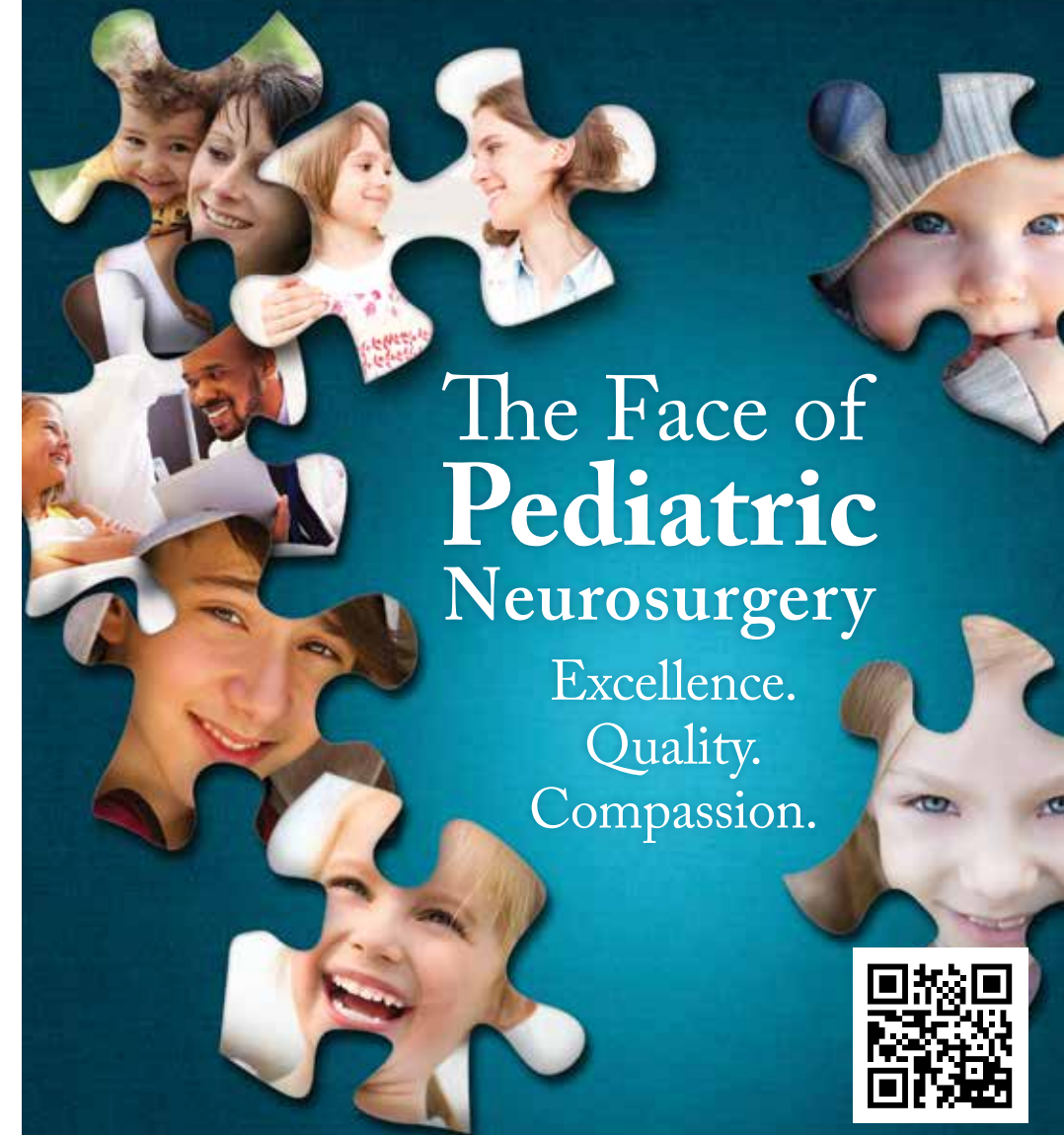
Professor and Chairman, Department of
Neurosurgery, The University of Tennessee
Health Science Center

Chief of the Division of Pediatric Neurosurgery,
St. Jude Children's Research Hospital

45th Annual Meeting of the AANS/CNS Section on **PEDIATRIC** NEUROLOGICAL SURGERY

DEC. 5-8, 2016 | HILTON ORLANDO BONNET CREEK | ORLANDO, FLA.

2016 QUICK PLANNER



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#PedsNeuro2016

MONDAY, DEC. 5

Time	Event	Location
7 a.m.-7 p.m.	Registration	Floridian Ballroom West Foyer
7 a.m.-6 p.m.	Speaker Ready Room	Indian River Room – Lower Level
8 a.m.-4:45 p.m.	Advanced Practice Provider (APP) Seminar	Bonnet Creek Ballroom II & III
12-4 p.m.	Pediatric Section Executive Committee Meeting	Jackson Room – Lower Level
4-4:30 p.m.	Pediatric Section Education Committee Meeting	Jackson Room – Lower Level
6-7:30 p.m.	Opening Reception	Pavilion



TUESDAY, DEC. 6

Time	Event	Location
6 a.m.-5 p.m.	Registration	Floridian Ballroom West Foyer
7 a.m.-4 p.m.	Speaker Ready Room	Indian River Room – Lower Level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Topic Discussion Table: Residents and Medical Students Meet the Leadership</i>	Floridian Ballroom G-L The Learning Center
7:15 a.m.-3:30 p.m.	Exhibit Hall Open	Floridian Ballroom G-L
8-9:50 a.m.	Scientific Session I: Developmental and Functional Abstracts	Floridian Ballroom A-F
9:51-10:14 a.m.	2016 Franc D. Ingraham Award for Distinguished Service and Achievement <i>Thomas G. Luerssen, MD, FAANS</i>	Floridian Ballroom A-F
10:15-10:45 a.m.	Beverage Break in the Exhibit Hall <i>Honoring Thomas G. Luerssen, MD, FAANS</i>	Floridian Ballroom G-L
10:46-11:20 a.m.	Scientific Session II: Functional II Abstracts	Floridian Ballroom A-F
11:21-11:59 a.m.	Raimondi Lecture - <i>Jim MacPhee</i>	Floridian Ballroom A-F
12-1 p.m.	Lunch in the Exhibit Hall <i>Conversation With Jim MacPhee</i>	Floridian Ballroom G-L The Learning Center
1:01-2:10 p.m.	Scientific Session III: Neoplasm Abstracts	Floridian Ballroom A-F
2:11-2:44 p.m.	Clinical Symposium I: New Trends in Molecular Tumor Typing	Floridian Ballroom A-F
2:45-3:15 p.m.	Beverage Break in the Exhibit Hall <i>Conversation With Vijay Ramaswamy, MD and Amy Smith, MD</i>	Floridian Ballroom G-L The Learning Center
3:16-3:50 p.m.	Scientific Session IV: Hydrocephalus and ETV Abstracts	Floridian Ballroom A-F
3:51-4:29 p.m.	Clinical Symposium II: Topics in Hydrocephalus: A Personal Perspective	Floridian Ballroom A-F
4:30-4:45 p.m.	Annual Business Meeting	Floridian Ballroom A-F
4:46-5 p.m.	AAP/Section on Neurological Surgery (SONS) Business Meeting	Floridian Ballroom A-F

WEDNESDAY, DEC. 7

Time	Event	Location
6 a.m.-5 p.m.	Registration	Floridian Ballroom West Foyer
7 a.m.-4 p.m.	Speaker Ready Room	Indian River Room – Lower Level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Topic Discussion Table: Difficult Case Review</i>	Floridian Ballroom G-L The Learning Center
7:15 a.m.-5:30 p.m.	Exhibit Hall Open	Floridian Ballroom G-L
8:01-8:22 a.m.	2017 Meeting Preview and Section Research Abstract Awards	Floridian Ballroom A-F
8:23-8:57 a.m.	Scientific Session V: Spine Abstracts	Floridian Ballroom A-F
8:58-9:44 a.m.	Special Lecture <i>Jocelyne Bloch, MD</i>	Floridian Ballroom A-F
9:45-10:15 a.m.	Beverage Break in the Exhibit Hall	Floridian Ballroom G-L
10:16-11:25 a.m.	Scientific Session VI: Spine II and Trauma Abstracts	Floridian Ballroom A-F
11:26-11:59 a.m.	Clinical Symposium III: Stem Cell and Pediatric Neurosurgery	Floridian Ballroom A-F
12-1 p.m.	Lunch in the Exhibit Hall <i>Conversation With Jocelyne Bloch, MD, and Cesario V. Borlongan, PhD</i>	Floridian Ballroom G-L The Learning Center
1:01-1:31 p.m.	Poster Board Viewing Poster Authors Q&A	Floridian Ballroom A-F
1:32-2:06 p.m.	Scientific Session VII: Socioeconomic Abstracts	Floridian Ballroom A-F
2:07-2:48 p.m.	AAP/Section on Neurological Surgery (SONS) Lecture <i>James R. Doty, MD, FAANS</i>	Floridian Ballroom A-F
2:49-3:19 p.m.	Beverage Break in the Exhibit Hall First Prize Drawing	Floridian Ballroom G-L
3:20-4:29 p.m.	Scientific Session VIII: Trauma II and Technical Advances Abstracts	Floridian Ballroom A-F
4:30-5:30 p.m.	Wine & Cheese Reception	Floridian Ballroom G-L
6-9 p.m.	Codman Satellite Symposium: Monitoring and Managing Intracranial Pressure in Complex Pediatric Cases	Bonnet Creek Ballroom III

THURSDAY, DEC. 8

Time	Event	Location
6-11 a.m.	Registration	Floridian Ballroom West Foyer
7-11 a.m.	Speaker Ready Room	Indian River Room – Lower Level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall	Floridian Ballroom G-L
7:15-10:45 a.m.	Exhibit Hall Open	Floridian Ballroom G-L
8:01-8:38 a.m.	Poster Awards Announced Scientific Session IX: Socioeconomic II/Technical Advances II and Vascular Abstracts	Floridian Ballroom A-F
8:39-9:24 a.m.	Special Lecture: <i>Conrad E. Johanson, PhD</i>	Floridian Ballroom A-F
9:25-9:59 a.m.	Scientific Session IX: Socioeconomic II/ Technical Advances II and Vascular Abstracts (<i>continued</i>)	Floridian Ballroom A-F
10-10:30 a.m.	Beverage Break in the Exhibit Hall Second Prize Drawing	Floridian Ballroom G-L
10:31-11:01 a.m.	Clinical Symposium IV: Activity Recommendations for Children With Intracranial Imaging Findings	Floridian Ballroom A-F
11:02-11:36 a.m.	Scientific Session X: Vascular II and Miscellaneous Abstracts	Floridian Ballroom A-F
11:37-11:40 a.m.	Hydrocephalus, Shulman and AAP/Section on Neurological Surgery (SONS) Awards Announced	Floridian Ballroom A-F

All dates and times are subject to change.



Join the Conversation

During breakfast in the exhibit hall on Tuesday and Wednesday, there will be a **Topic Discussion Table** to give attendees a chance to dialogue with senior neurosurgeons on difficult case reviews and other issues impacting the pediatric field.

In addition, key presenters will be available at **The Learning Center**, located in the exhibit hall, following their lectures for further discussion. Don't miss these opportunities to hear from the experts and ask questions.

Poster Presentations

Poster presenters will be available at their assigned poster board to answer questions on Wednesday, immediately following the lunch break from 1-1:30 p.m. View posters and visit with presenters in the back of the general session room and in the ballroom foyer. Posters will be on display throughout the meeting for attendees to view. All poster abstracts can be viewed by attendees through the Meeting App.

Please Note: All abstracts are published as submitted by their authors.

Photography and Capture

Video capture, live streaming video and/or photography may be taken at the AANS/CNS Section on Pediatric Neurological Surgery Annual Meeting. By registering/attending the meeting, you grant the AANS the right to use captured images, videos and biographies in print, electronic or other media. All postings become the property of the AANS and may be displayed, distributed or used by the AANS for any purpose. Attendees are prohibited from live streaming, photography and video capture without the consent of the AANS. The AANS is not responsible for unauthorized media capture performed by meeting attendees.



Monday, Dec. 5

7 a.m.-7 p.m.

Registration

Location: Floridian Ballroom West Foyer

7 a.m.-6 p.m.

Speaker Ready Room

Location: Indian River Room (Lower Level)

8-8:05 a.m.

Welcome and Introduction

Location: Bonnet Creek Ballroom II & III

8:06-8:36 a.m.

Physical Exam of the Newborn and Child, Coma Exam, Brain Death Exam

Jasna Kojic, MD

8:37-9:07 a.m.

Ophthalmology Findings in Pediatric Neurosurgery Patients

Louis Blumenfeld, MD

9:08-9:38 a.m.

Management of Severe Brain Injury: When to Monitor, Guidelines, ICP

Greg Olavarria, MD, FAANS

9:39-10:09 a.m.

EVD/ICP Insertion, Nuances and Troubleshooting

Greg Olavarria, MD, FAANS

10:10-10:30 a.m.

Beverage Break

10:31-11:01 a.m.

Post-operative Pain Management Strategies

Jaroslava Teet, PA-C

11:02-11:32 a.m.

Neuroradiology Review, Common Findings: Trauma, NAT, Vascular, Tumors

Abhijit Patil, MD

11:33 a.m.-12:33 p.m.

Lunch and Networking

Location: Bonnet Creek Ballroom I

12:34-1:04 p.m.

Management of the Spina Bifida Patient: Early, Maintenance Issues, Transition

Eryn Lawson, PA-C

1:05-1:35 p.m.

Shunts: Decision-making, Troubleshooting, Shunt Programming/Tapping

Ashley Rogers, PA-C

1:36-2:06 p.m.

Management of Spasticity in Children

Bruce B. Storrs, MD, FAANS(L)

2:07-2:27 p.m.

APP Forum: An Open Dialogue With Senior APPs

Claudia Garcia, MSN, ARNP, PNP-BC, CNRN

Eryn Lawson, PA-C

Jaroslava Teet, PA-C

Carrie Young, CPNP

2:28-2:58 p.m.

Beverage Break

2:59-4:40 p.m.

Hands-on Stations

- EVD Insertion/Troubleshooting
- Shunt Tap/Shunt Reprogram
- ICP Monitor Insertion/Troubleshooting
- Dural Suture/Craniotomy

4:41-4:45 p.m.

Closing Remarks and Evaluations

Monday, Dec. 5

7 a.m.-7 p.m.

Registration

Location: Floridian Ballroom West Foyer

7 a.m.-6 p.m.

Speaker Ready Room

Location: Indian River Room (Lower Level)

11:30 a.m.

Executive Committee Lunch

Location: Jackson Room
(Lower Level)

12-4 p.m.

Executive Committee Meeting

Location: Jackson Room
(Lower Level)

4-4:30 p.m.

Education Committee Meeting

Location: Jackson Room
(Lower Level)



6-7:30 p.m.

Opening Reception

Location: Pavilion

Ticket Required

Tuesday, Dec. 6

6 a.m.-5 p.m.

Registration

Location: Floridian Ballroom West Foyer

7 a.m.-4 p.m.

Speaker Ready Room

Location: Indian River Room (Lower Level)

7:15-8 a.m.

Continental Breakfast in the Exhibit Hall

Topic Discussion Table: Residents and Medical Students Meet the Leadership

Location: Floridian Ballroom G-L
The Learning Center

8:01-8:05 a.m.

Welcome and Opening Remarks

Location: Floridian Ballroom A-F

Sarah J. Gaskill, MD, FAANS

Section Chair

Greg Olavarria, MD, FAANS

Jogi V. Pattisapu, MD, FAANS(L)

2016 Annual Meeting Co-chairs

★ *Signifies Award Candidate*

8:06-9:50 a.m.

Scientific Session I: Developmental/Functional

Moderators

Eric M. Jackson, MD, FAANS

David D. Limbrick Jr., MD, PhD, FAANS



Group 1

8:06-8:12 a.m.

★1. How applicable are MOMS Trial results? A comparison of a single-institution cohort to the results from the randomized trial

Nicholas Laskay

8:13-8:19 a.m.

★2. Long-Term Clinical Outcome of Terminal Myelocystocele: A Review of 55 Cases

Hasan Raza Syed, MD

8:20-8:26 a.m.

★3. The impact of mode of delivery on infant neurologic outcomes in myelomeningocele

Stephanie Greene, MD, FAANS

8:27-8:33 a.m.

4. Hydrocephalus in patients with myelomeningocele in the National Spina Bifida Patient Registry (NSBPR)

Irene Kim, MD

8:34-8:40 a.m.

Group 1 Q&A

Group 2

8:41-8:47 a.m.

★5. Outcomes in Children Undergoing Surgical Intervention for Chiari I Malformation With Syringomyelia: A Prospective, Multi-center, Pilot Study

Carolina Sandoval-Garcia, MD

8:48-8:54 a.m.

★6. Chiari I malformation and syringomyelia: retrospective observations from the Park-Reeves Syringomyelia Research Consortium

Syed Hassan Akbari, MD

8:55-9:01 a.m.

7. Radiographic outcomes in patients with Chiari Type 1 Malformation and increased pB-C2 distance without fusion

Tanya Minasian, DO

9:02-9:08 a.m.

8. Think-A-Head

Sarah J. Gaskill, MD, FAANS

9:09-9:15 a.m.

Group 2 Q&A

Group 3

9:16-9:22 a.m.

★9. Patterns of Antiepileptic Drug Use in Pediatric Patients with Surgically Managed Epilepsy: a Retrospective Review of Data from Boston Children's Hospital

Shelly Wang, MD

9:23-9:29 a.m.

10. Three Decades of Hemispherectomies: The Miami Experience

Travis S. Tierney, MD, PhD

9:30-9:36 a.m.

★11. Tailored Stereotactic Sampling and Laser Thermoablation for Non-Lesional Pediatric Epilepsy

Ali S. Haider

9:37-9:43 a.m.

★12. A High-resolution Near-infrared Pediatric Functional Brain Imaging System

Manish N. Shah, MD

9:44-9:50 a.m.

Group 3 Q & A



9:51-10:14 a.m.

2016 Franc D. Ingraham Award for Distinguished Service and Achievement

Introduced By

Andrew H. Jea, MD, FAANS

Recipient

Thomas G. Luerssen, MD, FAANS



10:15-10:45 a.m.

Beverage Break in the Exhibit Hall Honoring Thomas G. Luerssen, MD, FAANS

Location: Floridian Ballroom G-L

10:46-11:59 a.m.

Scientific Session II: Functional II

Location: Floridian Ballroom A-F

Moderators

Alexandra Beier, DO

Sanjiv Bhatia, MD, FAANS

Group 4

10:46-10:52 a.m.

★13. Hemispherectomy for catastrophic epilepsy in the young: safety and efficacy in children under three

Angela Richardson, MD

10:53-10:59 a.m.

14. A Murine Model for Postmalaria Epilepsy and SUDEP

Steven J. Schiff, MD, PhD, FAANS

11-11:06 a.m.

15. Long-Term Outcome of Selective Dorsal Rhizotomy

Tae Sung Park, MD, FAANS

11:07-11:13 a.m.

16. Kinase-dependent Cerebrospinal Fluid Hypersecretion Triggered by Choroid Plexus Inflammation in Intraventricular Hemorrhage-associated Hydrocephalus

Jason Karimy

11:14-11:20 a.m.

Group 4 Q & A

11:21-11:59 a.m.

Raimondi Lecture Experience Innovation

Jim MacPhee

12-1 p.m.

Lunch in the Exhibit Hall

Conversation With Jim MacPhee

Location: Floridian Ballroom G-L
The Learning Center

1:01-2:44 p.m.

Scientific Session III: Neoplasm

Location: Floridian Ballroom A-F

Moderators

Vivek Mehta, MD, MSc, FAANS

David I. Sandberg, MD, FAANS



Group 5

1-1:07 p.m.

★17. Using Tumor Behavior Patterns to Determine Optimal Post-Treatment Cancer Surveillance Protocols for Low-Grade Pediatric Brain Tumors

Mohamed A. Zaazoue, MD

1:08-1:14 p.m.

18. Histone H3 Mutation is Detectable in Cerebrospinal Fluid from Children with High-Grade Glioma

Amanda Muhs Saratsis, MD

1:15-1:21 p.m.

★19. Ependymomas Promote Endothelial Cell Migration with Secreted Factors Independent of Netrin-1 Stimulation

David Penn, MD

1:22-1:28 p.m.

★20. Synergistic Antineoplastic Activity of PI3K Inhibitor ZSTK474 and MEK Inhibitor Trametinib on Diffuse Intrinsic Pontine Glioma Cells

Raymond Chang

1:29-1:35 p.m.

Group 5 Q & A

Group 6

1:36-1:42 p.m.

★21. Accuracy of an MR-Based Stereotactic Guidance for Convection Enhanced Delivery Infusion Catheter Placement into the Brain Stem in Children with Diffuse Intrinsic Pontine Glioma

Peter F. Morgenstern, MD

1:43-1:49 p.m.

★22. Update on Phase I/II Trial of Intra-arterial Bevacizumab and Cetuximab in Pediatric DIPG and HGG

Heather J. McCrea, MD, PhD

1:50-1:56 p.m.

★23. Social health determinants are associated with survival outcomes in children with high grade brain tumors: A hierarchical mixed-effects analysis of 1244 patients

George M. Ibrahim, MD

1:57-2:03 p.m.

24. IDO Expression in Pediatric Low Grade gliomas: A Rationale for Immune Modulation Treatment

Ian M. Heger, MD, FAANS

2:04-2:10 p.m.

Group 6 Q & A

2:11-2:44 p.m.

Clinical Symposium I: New Trends in Molecular Tumor Typing

Panelists

Vijay Ramaswamy, MD

Amy A. Smith, MD

2:45-3:15 p.m.

Beverage Break in the Exhibit Hall

Conversation With Vijay Ramaswamy, MD, and Amy A. Smith, MD

Location: Floridian Ballroom G-L
The Learning Center



3:16-4:29 p.m.

Scientific Session IV: Hydrocephalus/ETV

Location: Floridian Ballroom A-F

Moderators

Arthur J. DiPatri Jr., MD, FAANS

Jeffrey Steven Raskin, MD

3:37-3:43 p.m.

28. Prospective multicenter results of endoscopic third ventriculostomy (ETV) with choroid plexus cauterization (CPC) and comparison to ETV alone and shunt in infant hydrocephalus: a Hydrocephalus Clinical Research Network study

Abhaya Vivek Kulkarni, MD, FAANS

3:44-3:50 p.m.

Group 7 Q & A

Group 7

3:16-3:22 p.m.

★25. Preoperative echocardiogram abnormalities are associated with failure of endoscopic third ventriculostomy in hydrocephalic infants.

Ashish Shah, MD

3:23-3:29 p.m.

26. Early Neurodevelopmental Outcomes in the Shunting Outcomes of Posthemorrhagic Hydrocephalus (SOPHH) Study

Chevis Shannon, MBA, MPH, DrPH

3:30-3:36 p.m.

27. Hydrocephalus based procedures in an adult/transition Spina Bifida Clinic: a 5 year experience

Jeffrey P. Blount, MD, FAANS

3:51-4:29 p.m.

Clinical Symposium II: Topics in Hydrocephalus: A Personal Perspective

Speaker

Arthur E. Marlin, MD, FAANS

4:30-4:45 p.m.

AANS/CNS Section on Pediatric Neurological Surgery Annual Business Meeting

4:46-5 p.m.

AAP/Section on Neurological Surgery (SONS) Business Meeting

Wednesday, Dec. 7

6 a.m.-5 p.m.

Registration

Location: Floridian Ballroom West Foyer

7 a.m.-4 p.m.

Speaker Ready Room

Location: Indian River Room (Lower Level)

7:15-8 a.m.

Continental Breakfast in the Exhibit Hall

Topic Discussion Table:

Difficult Case Review

Location: Floridian Ballroom G-L
The Learning Center

8:01-9:44 a.m.

Scientific Session V: Spine

Location: Floridian Ballroom A-F

Moderators

Luis F. Rodriguez, MD, FAANS

Eric R. Trumble, MD, FAANS

8:01-8:06 a.m.

2017 Meeting Preview

David I. Sandberg, MD, FAANS

8:07-8:10 a.m.

Section Research Award Updates

Investigation Into the Genetic Determinants of Developmental Neurovascular Anomalies

Kristopher T. Kahle, MD, PhD

8:11-8:14 a.m.

TRPV4 Antagonists for the Treatment of Hydrocephalus

Andrea Gail Scherer, MD

8:15-8:18 a.m.

2017 RFA Fellow/Junior Faculty Research Grant

Edward R. Smith, MD, FAANS

8:19-8:22 a.m.

Q & A

Group 8

8:23 a.m. - 8:29 a.m.

★29. Growth and Alignment Following Subaxial Cervical Spine Instrumentation and Fusion

Hannah Goldstein, MD

8:30-8:36 a.m.

★30. Safety and Utility of Dynamic MRI of the Cervical Spine in Children

Derek Yecies, MD

8:37-8:43 a.m.

31. Analysis of scoliosis in patients with Chiari 1 malformation and syrinx from the Park-Reeves Syringomyelia Research Consortium

Jennifer Strable, MD

8:44-8:50 a.m.

★32. Risk Factors for Progressive Neuromuscular Scoliosis Requiring Posterior Spinal Fusion after Selective Dorsal Rhizotomy in Children

Vijay Mysore Ravindra, MD

8:51-8:57 a.m.

Group 8 Q & A



8:58-9:44 a.m.

Special Lecture Autologous Neural Cell Ecosystems Transplantation in the Brain and Spinal Cord

Jocelyne Bloch, MD

9:45-10:15 a.m.

Beverage Break in the Exhibit Hall

Location: Floridian Ballroom G-L

10:16-11:59 a.m.

Scientific Session VI: Spine II/ Trauma

Location: Floridian Ballroom A-F

Moderators

Susan R. Durham, MD, FAANS

James M. Johnston Jr., MD, FAANS

Group 9

10:16-10:22 a.m.

★33. The Use of Dynamic MRI in Evaluating the Craniocervical Junction Patients with Down's Syndrome

Albert Tu, MD, FAANS

10:23-10:29 a.m.

★34. Bilateral Sagittal Split Mandibular Osteotomies for Enhanced Exposure of the Anterior Cervical Spine in Children

Michael Karsy, MD, PhD

10:30-10:36 a.m.

★35. A Novel Technique for Occipitocervical Fusion Using Compressed Tricortical Iliac Crest Allograft Results in a High Rate of Fusion in the Pediatric Population

Rajiv Iyer, MD

10:37-10:43 a.m.

★36. Management of Paraspinal Neuroblastoma in Children: The St Jude Experience

Michael G. DeCuyper, MD, PhD

10:44-10:50 a.m.

Group 9 Q & A

Group 10

10:51-10:57 a.m.

★37. Skull Fractures: Does Being an Airhead Matter?

Katrina A. Ducis, MD

10:58-11:04 a.m.

38. Surgical Intervention for Traumatic Injury Scale: A Tool for Communicating Potential Need for Surgery Following Pediatric Traumatic Brain Injury

David L. Dornbos III, MD

11:05 a.m. - 11:11 a.m.

39. Cervical Spine Injury and Non-Accidental Trauma: Secondary Analysis of a Multi-Center Prospective Study

Annie Drapeau, MD

11:12-11:18 a.m.

40. Disposition of Children with Mild to Moderate Traumatic Brain Injury and Positive Head Imaging

Eric M. Jackson, MD, FAANS

11:19-11:25 a.m.

Group 10 Q & A

12-1 p.m.

Lunch in the Exhibit Hall

Conversation With Jocelyne Bloch, MD, and Cesario V. Borlongan, PhD

Location: Floridian Ballroom G-L
The Learning Center

1:01-1:31 p.m.

Poster Board Viewing

Location: Floridian Ballroom A-F and Foyer

Poster authors are available at their poster board displays to answer questions.

1:32-2:48 p.m.

Scientific Session VII: Socioeconomic

Location: Floridian Ballroom A-F

Moderators

Toba N. Niazi, MD, FAANS

Peter P. Sun, MD, FAANS



Group 11

1:32-1:38 p.m.

★41. Economic Benefit of Neurosurgical Intervention for Hydrocephalus in Haiti

Zachary S. Hubbard

1:39-1:45 p.m.

42. The Use of Social Media in Hydrocephalus: A Cross-Sectional Analysis.

Naif M. Alotaibi, MD

1:46-1:52 p.m.

43. Early Reoperations following 7,492 Pediatric Neurosurgery Procedures

David M. Garcia, MD

1:53-1:59 p.m.

★44. Assessing Resident Operative Skills for Shunt Surgery in Pediatric Neurosurgery

Guillermo Aldave

2-2:06 p.m.

Group 11 Q & A

2:07-2:48 p.m.

AAP/Section on Neurological Surgery (SONS) Lecture Hacking your Brain for Happiness

James R. Doty, MD, FAANS

2:49-3:19 p.m.

Beverage Break in the Exhibit Hall

First Prize Drawing

Location: Floridian Ballroom G-L

3:20-4:29 p.m.

Scientific Session VIII: Trauma II/Technical Advances

Location: Floridian Ballroom A-F

Moderators

Scott W. Elton, MD, FAANS

David D. Gonda, MD

11:26-11:59 a.m.

Clinical Symposium III: Stem Cell and Pediatric Neurosurgery

Panelists

Jocelyne Bloch, MD

Cesario V. Borlongan, PhD



Group 12

3:20-3:26 p.m.

45. Predicting Survival in Traumatic Brain Injury Children: A Comparison of CT Grading Classifications

Andrew T. Hale

3:27-3:33 p.m.

46. Gunshot Wounds to the Head in Children

Allyson Alexander, MD, PhD

3:34-3:40 p.m.

47. Shaking, Seizures, Subdurals, and Severe Brain Damage: Clinical and Experimental Evidence for Synergistic Pathophysiology

Ann-Christine Dubaime, MD, FAANS

3:41-3:47 p.m.

★48. Post-Traumatic Hydrocephalus in Children: A Retrospective Study Using the Pediatric Health Information System

Robert H. Bonow, MD

3:48-3:54 p.m.

Group 12 Q&A

Group 13

3:55-4:01 p.m.

★49. Resting State Functional Magnetic Resonance Imaging for Cerebral Mapping in Pediatric Neurosurgical Patients

Jarod Roland, MD

4:02-4:08 p.m.

★50. Risk Factors for Surgical Site Infection Following Non-Shunt Pediatric Neurosurgery: A Review of 9,296 Procedures from a National Database and Comparison to a Single Center Experience

Brandon A. Sherrod

4:09-4:15 p.m.

★51. Phase-Contrast Cine Cerebrospinal Fluid (CSF) Flow Magnetic Resonance Imaging (MRI) in Evaluating Distribution of Infused Agents from the Fourth Ventricle to the Total Spine

David I. Sandberg, MD, FAANS

4:16-4:22 p.m.

★52. Cerebrospinal Fluid Composition after Endoscopic Third Ventriculostomy with Choroid Plexus Cauterization

Michael Dewan, MD

4:23-4:29 p.m.

Group 13 Q&A



4:30-5:30 p.m.

Wine & Cheese Reception in the Exhibit Hall

Location: Floridian Ballroom G-L
Ticket Required

6-9 p.m.

Satellite Symposium

Monitoring & Managing Intracranial Pressure in Complex Pediatric Cases

Location: Bonnet Creek Ballroom III

All medical attendees welcome to attend.

Presented by Codman Neuro.

Thursday, Dec. 8

6-11 a.m.

Registration

Location: Floridian Ballroom West Foyer

7-11 a.m.

Speaker Ready Room

Location: Indian River Room (Lower Level)

7:15-8 a.m.

Continental Breakfast in the Exhibit Hall

8:01-9:59 a.m.

Scientific Session IX: Socioeconomic II/Technical Advances II/Vascular

Location: Floridian Ballroom A-F

Moderators

Erin Kiehna, MD

David M. Wrubel, MD, FAANS

8:01-8:03 a.m.

Top Poster Awards Announced

Greg Olavarria, MD, FAANS

Group 14

8:04–8:10 a.m.

53. Unplanned Readmission and Return to Operating Room within 90–days of Pediatric Neurosurgery

Silky Chotai, MD

8:11–8:17 a.m.

54. Evidence-based Guidelines for Management of Pediatric Positional Plagiocephaly

Ann Marie Flannery, MD, FAANS

8:18–8:24 a.m.

★55. Treatment of Hydrocephalus in an Ovine Model with an Intraparenchymal Stent Prototype

Jonathan Jay Stone, MD

8:25–8:31 a.m.

★56. Evaluating 18F3B–Conjugated Panobinostat as a Theranostic for Convection Enhanced Delivery (CED) in the Treatment of DIPG

Umberto Tosi

8:32–8:38 a.m.

Group 14 Q&A

Group 15

9:25–9:31 a.m.

★57. Applications of the ROSA Robotic Stereotactic Arm for Pediatric Epilepsy and Tumor Surgery

Brandon A. Miller, MD

9:32–9:38 a.m.

★58. High Initial CSF Protein Predicts the Need for Ventriculoperitoneal Shunting and Shunt Failure in Preterm Infants with Posthemorrhagic Hydrocephalus

William L. Titsworth, MD

9:39–9:45 a.m.

59. Preoperative Risk Stratification Scale for Perioperative Stroke in Pediatric Moyamoya Patients

Edward R. Smith, MD, FAANS

9:46–9:52 a.m.

★60. Predicting Blunt Cerebrovascular Injury in Pediatric Trauma

Vijay M. Ravindra, MD

9:53–9:59 a.m.

Group 15 Q&A

10–10:30 a.m.

Beverage Break in the Exhibit Hall

Second Prize Drawing

Location: Floridian Ballroom G-L

10:31–11:40 a.m.

**Scientific Session X:
Vascular II/Miscellaneous**

Location: Floridian Ballroom A-F

Moderators

Cormac O. Maher, MD, FAANS

Ivan J. Sosa, MD, FAANS

10:31–11:01 a.m.

**Clinical Symposium IV:
Activity Recommendations
for Children with Intracranial
Imaging Findings**

Speaker

Cormac O. Maher, MD, FAANS



Group 16

11:02–11:08 a.m.

★61. Netrin 1 Induced Changes in Expression of Netrin Receptors and Growth Factors on Human Endothelial Cells

David Penn, MD

11:09–11:15 a.m.

★62. Microsurgical Treatment of Pediatric Rolandic Arteriovenous Malformations

Newton Cho, MD

11:16–11:22 a.m.

63. Improved Visualization of Pediatric Brain Arteriovenous Malformations Using High Resolution Vascular MRI and Blood Pool Agent (Ferumoxytol)

James Andrew Stadler III, MD

11:23–11:29 a.m.

64. Compliance Measurements in a New Gyrencephalic Model of Infantile Post Hemorrhagic Hydrocephalus

James (Pat) Patterson McAllister II, PhD

11:30–11:36 a.m.

Group 16 Q&A

11:37–11:40 a.m.

Hydrocephalus, Shulman and AAP/SONS Abstract Awards Announced

Sarah J. Gaskill, MD, FAANS

11:40 a.m.

Closing Remarks

Sarah J. Gaskill, MD, FAANS

8:39–9:24 a.m.

**Special Lecture
Elevated ICP: CSF
Hypertension on Earth vs.
Space Flight**

Conrad E. Johanson, PhD

FLORIDIAN BALLROOM

112	111	210	211	310	313
110	109	208	209		311
108					309
100	103	202	207	203	307
	101	200	201	302	305
					303
					301



FLORIDIAN BALLROOM FOYER WEST

Aesculap Inc.	203	KLS – Martin L.P.	101
Alcyone Lifesciences Inc.	313	LeBonheur Children's Hospital	209
Arkis BioSciences	210	Mallinckrodt Pharmaceuticals	305
Arnold Palmer Hospital for Children	309	Medtronic	100
Baycare Health System	311	Monteris Medical Inc.	201
Brainlab	111	MRI Interventions, Inc.	300
Codman Neuro, a Johnson & Johnson Company	308	NICO Corporation	202
Feel Good Inc.	303	Pro Med Instruments, Inc.	108
Hitachi Aloka Medical	310	RosmanSearch, Inc.	103
Hydrocephalus Association	307	SDI Diagnostic Imaging	301
Image Gently	301	ShuntCheck Inc.	109
IMRIS / Deerfield Imaging, Inc.	211	Sophysa USA Inc.	200
KARL STORZ Endoscopy–America, Inc.	208	Surgical Theater, LLC	110
		Zimmer Biomet	302



Win Complimentary Registration
and Hotel Stay at the
2017 Annual Meeting of the AANS/CNS Section
on Pediatric Neurological Surgery

Instructions

Attendees have the opportunity during breaks, meals and the Wine & Cheese Reception to win free meeting registration and a two–night stay for the 46th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery in Houston. To participate, stop by each exhibitor in the hall and have a representative stamp the exhibitor card on the reverse side. Once each exhibitor has stamped your card, deposit it in the container at the Registration Desk for your chance to win.

Winners must be present to win, and the prize is non–transferable.
Drawings will be Wednesday, Dec. 7, at 3 p.m. and Thursday, Dec. 8, at 10:15 a.m.

- 1. Have your exhibit card stamped at each booth in the Exhibit Hall.
- 2. Please print all your contact information below.
- 3. Deposit your exhibit card into the container at the Registration Desk.
- 4. Make sure to be in the Exhibit Hall on
Wednesday, Dec. 7, at 3 p.m. and Thursday, Dec. 8, at 10:15 a.m.

Name

Address

City|State|Zip|Country

Email

Participation is limited to health care professionals registered for the meeting.