### Thursday | Dec. 4

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6 a.m-5 p.m.</td>
<td>Registration</td>
<td>Amelia Ballroom Foyer</td>
</tr>
<tr>
<td>6:15-7:15 a.m.</td>
<td>2nd Annual 5K Run – Sunrise on the Beach</td>
<td>Beach</td>
</tr>
<tr>
<td>6:30-7:30 a.m.</td>
<td>Breakfast Seminar</td>
<td>Magnolia Ballroom E</td>
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<tr>
<td>6:30-7:30 a.m.</td>
<td>APP Breakfast Seminar</td>
<td>Cumberland C</td>
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<tr>
<td>7:15-7:45 a.m.</td>
<td>Continental Breakfast in Exhibit Hall</td>
<td>Amelia Ballroom</td>
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<tr>
<td>7:15 a.m.-3 p.m.</td>
<td>Exhibit Hall Open</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>7:45 a.m.-12 p.m.</td>
<td>Plenary, Scientific Sessions and Poster Viewing</td>
<td>Magnolia Ballroom ABCD</td>
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<tr>
<td>10-10:30 a.m.</td>
<td>Beverage Break in Exhibit Hall</td>
<td>Amelia Ballroom</td>
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<tr>
<td>12-1 p.m.</td>
<td>Lunch in Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>1:4-30 p.m.</td>
<td>Plenary, Scientific Sessions and Poster Viewing</td>
<td>Magnolia Ballroom ABCD</td>
</tr>
<tr>
<td>2:30-3 p.m.</td>
<td>Beverage Break in Exhibit Hall</td>
<td>Amelia Ballroom</td>
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<tr>
<td>4:30-4:45 p.m.</td>
<td>Annual Business Meeting</td>
<td>Magnolia Ballroom ABCD</td>
</tr>
<tr>
<td>6-9 p.m.</td>
<td>Pirates of the Caribbean Evening</td>
<td>Beach</td>
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### Friday | Dec. 5

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<tbody>
<tr>
<td>6-11 a.m.</td>
<td>Registration</td>
<td>Amelia Ballroom Foyer</td>
</tr>
<tr>
<td>6:30-7:30 a.m.</td>
<td>Residents and Medical Students &quot;Meet the Leadership&quot; Breakfast</td>
<td>Ossabaw</td>
</tr>
<tr>
<td>7:15-7:45 a.m.</td>
<td>Continental Breakfast in the Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>7:15-10:30 a.m.</td>
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<td>Amelia Ballroom</td>
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<td>7:45-11:30 a.m.</td>
<td>Plenary, Scientific Sessions and Poster Viewing</td>
<td>Magnolia Ballroom ABCD</td>
</tr>
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<td>Beverage Break in Exhibit Hall</td>
<td>Amelia Ballroom</td>
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</tbody>
</table>

*All dates and times are subject to change.*
Tuesday, Dec. 2

6:45 a.m.-7 p.m.
Registration
Location: Amelia Ballroom Foyer

Advanced Practice Provider Seminar
Location: Cumberland AB

8-8:10 a.m.
Welcome and Introductions
Alexandra Beier, DO

8:10-8:50 a.m.
Pediatric Stroke and Vascular Malformations
Ricardo Alexandre Hanel, MD, PhD

8:50-9:30 a.m.
Pediatric Traumatic Brain Guidelines
Alyssa Stroetz, MSN, ARNP, CPNP

9:30-10:10 a.m.
Multidisciplinary Clinics
Hector E. James, MD, FAANS(L)

10:10-10:30 a.m.
Beverage Break

10:30-11:10 a.m.
Complex Hydrocephalus
Andrea Neufeld, MScN, RN (EC)

11:10 a.m.-12:10 p.m.
Spina Bifida Panel Discussion
Moderator
Alexandra Beier, DO

Panelists
David Childers, MD
Paul B. Hofrichter, MSN, ARNP
Kim Jarczyk, MSN, CPNP
John Mazur, MD
Louise Spierre, MD

12:10-1:10 p.m.
Lunch and Networking
Location: Magnolia Garden Terrace

1:10-1:50 p.m.
Management of Spasticity: Baclofen Pump and Rhizotomy
Louise Spierre, MD

1:50-2:30 p.m.
Epilepsy Surgery
Alexandra Beier, DO

2:30-2:50 p.m.
Beverage Break

2:50-3:30 p.m.
Neuroscience Unit Development
Teresa MacGregor, PhD, CPNP

3:30-4:10 p.m.
Intraventricular Hemorrhage Management
Claudia Garcia, MSN, ARNP, PNP-BC

4:10-4:25 p.m.
Discussion and Evaluations
Alexandra Beier, DO
Tuesday, Dec. 2

6:45 a.m.-7 p.m.
**Registration**
**Location:** Amelia Ballroom Foyer

7:15 a.m.
Bus transportation to depart for PC
**Location:** Omni Conference Center-Magnolia entrance

8:30 a.m.-4:30 p.m.
**Practical Clinic**
**Pediatric Craniocervical Surgery**
**Location:** Dr. Glen Nelson
Surgeon Education and Training Center, Jacksonville
*Lunch to be provided at lab*
Ticket Required

Supported by an educational grant from Medtronic, Inc.

We gratefully acknowledge the following for their in-kind equipment support of the course: Care Fusion, V. Mueller, Integra LifeSciences, Medtronic, Inc. and Siemens Healthcare USA, Inc.

**Co-directors**
Philipp R. Aldana, MD, FAANS
Richard C. E. Anderson, MD, FAANS
Douglas L. Brockmeyer, MD, FAANS
Nathan Joseph Ranalli, MD

**Faculty**
Todd Cameron Hankinson, MD, MBA, FAANS
James M. Johnston Jr., MD
David W. Pincus, MD, PhD, FAANS
Brandon G. Rocque, MD, MS
Luis F. Rodriguez, MD, FAANS

11:30 a.m.
**Executive Committee Lunch**
**Location:** Cumberland C

12-4 p.m.
**Executive Committee Meeting**
**Location:** Cumberland C

1-5 p.m.
**Practical Clinic**
Pediatric Neurosurgical Coding: New Developments and Trends
**Location:** Magnolia E Ballroom

**Co-directors**
David P. Gruber, MD, FAANS
Catherine Anne Mazzola, MD, FAANS

**Faculty**
Maya Babu, MD, MBA
David Houston Harter, MD, FAANS
Andrew H. Jea, MD, FAANS
Curtis J. Rozzelle, MD, FAANS
Eric R. Trumble, MD, FAANS

4-5 p.m.
**Education Committee**
**Location:** Cumberland C

4-6 p.m.
**Speaker Ready Room**
**Location:** Talbot B

6-7:30 p.m.
**Opening Reception**
**Location:** Magnolia Garden
Ticket Required
Supported by Medtronic, Inc.
Wednesday, Dec. 3

6 a.m.-5 p.m.
Registration
Location: Amelia Ballroom Foyer

6:30-7:30 a.m.
Breakfast Seminar
NERVES Pediatric Neurosurgery Practice Data
Location: Magnolia E Ballroom
Ticket Required
Moderator
Catherine Anne Mazzola, MD, FAANS
Panelists
Lisa Beebe, MBA
David F. Jimenez, MD, FAANS

6:30-7:30 a.m.
APP Breakfast Seminar
Radiology: Reading and Interpreting CTs and MRIs
Location: Cumberland C
Ticket Required
Panelists
William Bireley, MD
Ashishkumar Parikh, MD
Chetan Shah, MD

7 a.m.-4 p.m.
Speaker Ready Room
Location: Talbot B

7:15-7:45 a.m.
Continental Breakfast in Exhibit Hall
Location: Amelia Ballroom

7:45-7:50 a.m.
Opening Remarks
Location: Magnolia Ballroom ABCD
Bruce A. Kaufman, MD, FAANS
Pediatric Section Chair

7:50-7:55 a.m.
Program Overview
Philipp R. Aldana, MD, FAANS

7:55-8:59 a.m.
Scientific Session I: ETV
Moderators
Gregory W. Albert, MD, FAANS
Jay K. Riva Cambrin, MD, FAANS

1. Endoscopic Third Ventriculostomy (ETV) in Children: Prospective, Multicenter Results from the Hydrocephalus Clinical Research Network
Abhaya Vivek Kulkarni, MD, FAANS

2. Endoscopic Third Ventriculostomy/Choroid Plexus Puncture (ETV/CPC) for Infantile Hydrocephalus: The Miami Children’s Experience
Alexander Gregory Weil, MD

3. CSF Turbulence and Choroid Plexus Visualization as Radiographic Markers of Clinical Outcomes in ETV/CPC and Secondary Shunt Insertion
Jonathan A. Pindrik, MD

4. A Novel Fresh Tissue Cadaveric Cerebrospinal Fluid Perfusion Model for Intraventricular Neuroendoscopic Surgery
Richard Aaron Robison, MD

5. Late Failure in Endoscopic Third Ventriculostomy (ETV)
Heather Jane McCrea, MD, PhD

6. Practice Patterns for Post ETV Surveillance
Ran Xu
**Signifies Award Candidate

7:55-8:05 a.m.

**Scientific Session I: ETV/Hydrocephalus**

**Moderators**
Gregory W. Albert, MD, FAANS
Jay K. Riva Cambrin, MD, FAANS

7:55-8:05 a.m.

1. **Endoscopic Third Ventriculostomy (ETV) in Children: Prospective, Multicenter Results from the Hydrocephalus Clinical Research Network (HCRN)**
   Abhaya Vivek Kulkarni, MD, FAANS

8:06-8:14 a.m.

2. **Endoscopic third ventriculostomy/Choroid plexus catarization (ETV/CPC) for infantile hydrocephalus: The Miami Children’s Experience**
   Alexander Gregory Weil, MD

8:15-8:23 a.m.

3. **CSF Turbulence and Choroid Plexus Visualization as Radiographic Markers of Clinical Outcomes in ETV/CPC and Secondary Shunt Insertion**
   Jonathan A. Pindrik, MD

8:24-8:32 a.m.

4. **A Novel Fresh Tissue Cadaveric Cerebrospinal Fluid Perfusion Model for Intraventricular Neuroendoscopic Surgery**
   Richard Aaron Robison, MD

8:33-8:41 a.m.

5. **Late Failure in Endoscopic Third Ventriculostomy (ETV)**
   Heather Jane McCrea, MD, PhD

8:42-8:50 a.m.

6. **Practice Patterns for Post ETV Surveillance**
   Ran Xu, MD

8:51-8:59 a.m.

7. **Can Children with Shunted Hydrocephalus be Safely Discharged from Emergency Department?**
   Eric Anthony Sribnick, MD

9-10 a.m.

**Clinical Symposium I: Collaboration for Success in Education, Research and Quality**

**Moderator**
Liliana Goumnerova, MD, FAANS

**Panelists**
Ann Marie Flannery, MD, FAANS
Gerald A. Grant, MD, FAANS
John R. W. Kestle, MD, FAANS

10-10:30 a.m.

**Beverage Break in Exhibit Hall**

**Location:** Amelia Ballroom

10:30-11:17 a.m.

**Scientific Session II: Vascular**

**Location:** Magnolia Ballroom ABCD

**Moderators**
Edward S. Ahn, MD, FAANS
Phillip B. Storm, MD, FAANS

10:31-10:41 a.m.

8. **Management of Cerebral Vasculopathy in Pediatric Sickle Cell Disease: Early Results of a Multidisciplinary Protocol**
   Philipp R. Aldana, MD, FAANS

10:42-10:50 a.m.

9. **Development of Moyamoya Arteriopathy Following Treatment of Intracranial Tumors: Clinical and Radiographic Characterization**
   Edward Robert Smith, MD, FAANS
10:51-10:59 a.m.
10. Multiple Cerebral Arteriovenous Malformations in Pediatric Patients: Clinical Features and Hemorrhage Risk
Justin Caplan, MD

11-11:08 a.m.
11. Utility of MRI in Detecting AVM Recurrence in Children
Caitlin Elizabeth Hoffman, MD

11:09-11:17 a.m.
12. Urinary EphrinB2 : Putative Non-invasive Biomarker for Pediatric AVM
Edward Robert Smith, MD, FAANS

11:18 a.m.-12 p.m.
Raimondi Lecture
From Earth to Mars: Steps Toward the First Human Mission to the Red Planet
Pascal Lee, MS, PhD

12-1 p.m.
Lunch and Book Signing in Exhibit Hall
Location: Amelia Ballroom

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Pascal Lee, MS, PhD

12-1 p.m.
Lunch and Book Signing in Exhibit Hall
Location: Amelia Ballroom

1-2:45 p.m.
Scientific Session III: Neoplasm 1
Location: Magnolia Ballroom ABCD

Moderators
Sanjiv Bhatia, MD, FAANS
Jeffrey R. Leonard, MD, FAANS

Supported by an educational grant from Codman Neuro, a division of DePuy Orthopaedics, Inc.

1:01-1:11 p.m.
13. Early Outcomes Following Proton Therapy for Low Grade Gliomas of the Hypothalamus and Optic Pathway Region
Daniel J Indelicato, MD

1:12-1:20 p.m.
14. Reconsidering the 1.5 cm2 Division of Medulloblastoma Resection in the MRI and Molecular Subgroup Era**
Eric M. Thompson, MD

1:21-1:29 p.m.
15. Analysis of MB association hot gene polymorphisms in pediatric embryonal brain tumor**
Jie Ma, MD
1:30-1:38 p.m.
16. Atypical Ganglioglioma: Location and Presenting Characteristics are Associated with Clinical Course**
Mohana Rao Patibandla, MD

1:39-1:47 p.m.
17. Recurrent Craniopharyngioma after Conformal Radiation Therapy: The St. Jude Experience**
Garrett T. Venable

1:48-1:56 p.m.
18. Surgical and Chemotherapeutic Efficacy in a Preclinical Mouse Model of Choroid Plexus Carcinoma**
Michael George DeCuypere, MD

1:57-2:05 p.m.
19. Endoscopic Endonasal Approach for Pediatric Skull Base Tumors. Indications, Results and Caveats**
Pierpaolo Peruzzi, MD, PhD

2:06-2:14 p.m.
20. Super selective Basilar Artery Balloon assisted Catheterization for Targeted Drug Administration in Pediatric Diffuse Intrinsic Pontine Glioma (DIPG)**
Heather Jane McCrea, MD, PhD

2:15-2:23 p.m.
21. The Genetic Landscape of Intramedullary Spinal Cord Astrocytomas in the Pediatric Population**
Mari Louise Growes, MD

2:24-2:32 p.m.
22. Epilepsy Surgery for Paediatric Brain Tumours: Miami Children’s Hospital Experience**
Aria Fallah, MD

2:33-2:41 p.m.
23. Modeling DIPG in Human ES Cells and Results of a Promising Drug Screen**
Viviane S. Tabar, MD, FAANS

2:42-2:45 p.m.
Q and A

2:45-3:15 p.m.
Beverage Break in Exhibit Hall
Location: Amelia Ballroom

3:15-4:29 p.m.
Scientific Session IV: Spine/Trauma
Location: Magnolia Ballroom ABCD
Moderators
Andrew H. Jea, MD, FAANS
Alexander K. Powers, MD

3:16-3:26 p.m.
24. Outcomes Of Pediatric Autologous Cranioplasty After Decompressive Cranietomy: A Multicenter Study
Sandi K. Lam, MD

3:27-3:35 p.m.
David Augustus Qualls, BS

3:36-3:44 p.m.
26. A Prospective Study Comparing Diffusion Tensor Imaging (DTI) and Quantitative Myelination Patterns in Mild Traumatic Brain Injury (mTBI)**
Heather Stevens Spader, MD

3:45-3:53 p.m.
27. Linear Non Displaced Skull Fractures in Children: Is Hospitalization Necessary?
Eliel N. Arrey, BA
3:54-4:02 p.m.
28. Spinal Stenosis Decompression and Fusion in Seventy-seven Pediatric Patients with Achondroplasia**
   Mari Louise Groves, MD

4:03-4:11 p.m.
29. The Efficacy of Routine Use of Recombinant Human Bone Morphogenetic Protein 2 in Occipitocervical and Atlantoaxial Fusions of the Pediatric Spine: A Minimum of 12 Months Follow up
   Christina Mieko Sayama, MD, MPH

4:12-4:20 p.m.
30. Acute Implantation of Reduced Graphene Oxide Nanoscaffolds in Spinal Cord Injury in Rats
   Andrew H. Jea, MD, FAANS

4:21-4:29 p.m.
31. Survival in Pediatric Glioblastoma: a Large Case Series**
   Allyson Alexander, MD, PhD

Thursday, Dec. 4
6 a.m.-5 p.m
Registration
Location: Amelia Ballroom Foyer

6:15-7:15 a.m.
2ND Annual 5K Run - Sunrise on the Beach
Location: Beachfront
Ticket Required
Supported by Wolfson Children’s Hospital.

6:30-7:30 a.m.
Breakfast Seminar
Developing and Maintaining a Collaborative Research Network
Location: Magnolia E Ballroom
Ticket Required
Moderator
John R. W. Kestle, MD, FAANS
Panelists
Gerald A. Grant, MD, FAANS
John C. Wellons III, MD, FAANS

4:30-5:30 p.m.
Wine and Cheese Reception in Exhibit Hall
Location: Amelia Ballroom
Ticket Required
Supported by Medtronic, Inc.

6:30-7:30 a.m.
Scientific Session V: Hydrocephalus/Craniosynostosis
Location: Magnolia Ballroom ABCD
Moderators
Mark R. Proctor, MD, FAANS
Nathan Joseph Ranalli, MD

7:46-7:56 a.m.
32. Results of a New HCRN Shunt Infection Protocol**
   John R. W. Kestle, MD, FAANS

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Wine and Cheese Reception in Exhibit Hall
Location: Amelia Ballroom
Ticket Required
Supported by Medtronic, Inc.
6:30-7:30 a.m.
**APP Breakfast Seminar**
Knot-tying and Suturing

**Location:** Cumberland C

We gratefully acknowledge Ethicon Surgical Care for their in-kind equipment support of this seminar.

**Panelists**
Alexandra Beier, DO
Paul B. Hofrichter, MSN, ARNP
Thomas J. Sernas, MS, PA-C

7 a.m.-4 p.m.
**Speaker Ready Room**

**Location:** Talbot B

7:15-7:45 a.m.
Continental Breakfast in Exhibit Hall

**Location:** Amelia Ballroom

7:45-8:59 a.m.
**Scientific Session V:**
Hydrocephalus/Craniosynostosis

**Location:** Magnolia Ballroom ABCD

**Moderators**
Mark R. Proctor, MD, FAANS
Nathan Joseph Ranalli, MD

7:46-7:56 a.m.
32. Results of a New HCRN Shunt Infection Protocol**

John R. W. Kestle, MD, FAANS

7:57-8:05 a.m.
33. Assessing Increased Cerebral Ventriculomegaly in Children Following the Bi Directional Glenn Procedure for Single Ventricle Congenital Heart Disease

Chevis Shannon, MBA, MPH, DrPH

8:06-8:14 a.m.
34. Genetic Characterization of the prh Mouse Mutant, a New Genetic Model of Pediatric Non Obstructive Hydrocephalus**

June Goto, PhD

8:15-8:23 a.m.
35. Left Hemisphere Structural Connectivity Abnormality in Children with Hydrocephalus Post Surgery**

Artur Meller

8:24-8:32 a.m.
36. Surgical Management of Metopic Craniosynostosis Using Minimally Invasive Endoscopic Techniques: 16 Year Experience

David F. Jimenez, MD, FAANS

8:33-8:41 a.m.
37. Endoscopic assisted Management of Sagittal Synostosis: Wide Vertex Suturectomy and Barrel Stave Osteotomies versus Narrow Vertex Suturectomy**

Brian J. Dlouhy, MD
8:42-8:50 a.m.
38. The Influence of Suturectomy on Cortical Blood Flow in Rabbits with Familial Coronal Craniosynostosis
Christopher Michael Bonfield, MD

8:51-8:59 a.m.
39. Intraoperative Intracranial Pressure Monitoring Prior to Craniofacial Reconstruction in Children with Craniosynostosis
Neena Ishwari Marupudi, MD

9-10 a.m.
Clinical Symposium II: Craniosynostosis Surgery: Less is More or More is Better?
Moderator
Nathan Joseph Ranalli, MD
Panelists
James T. Goodrich, MD, PhD, FAANS
David F. Jimenez, MD, FAANS
Mark R. Proctor, MD, FAANS

10-10:30 a.m.
Beverage Break in Exhibit Hall
Location: Amelia Ballroom

10:30-11:16 a.m.
Scientific Session VI: Chiari
Location: Magnolia Ballroom ABCD

Moderators
Eric M. Jackson, MD
Curtis J. Rozzelle, MD, FAANS

10:30-10:40 a.m.
40. Validation of CHIP: A Patient Reported Health Related Quality of Life Instrument in Pediatric Chiari I Malformation
Travis Ryan Ladner, BA

10:41-10:49 a.m.
41. Clinical Significance of the pB C2 Line Measurement in Chiari malformation I
Silky Chotai, MD

10:50-10:58 a.m.
42. Outcomes After Suboccipital Decompression Without Dural Opening In Children With Chiari I Malformation
Benjamin Kennedy, MD

10:59-11:07 a.m.
43. Population Based Analysis of Complications Associated with Chiari Malformation Type I Surgery in Children
David Delmar Limbrick Jr., MD, PhD, FAANS

11:08-11:16 a.m.
44. Tonsillar Pulsatility Before and After Surgical Decompression for Chiari Malformation type 1
David Delmar Limbrick Jr., MD, PhD, FAANS

11:17 a.m.-12 p.m.
AAP/SONS Lecture
Transition of Care with Pediatric Neurosurgery Patients
David L. Wood, MD, MPH
12-1 p.m.
Lunch in Exhibit Hall
Location: Amelia Ballroom

1-2:14 p.m.
Scientific Session VII: Hydrocephalus
Location: Magnolia Ballroom ABCD
Moderators
Samuel R. Browd, MD, PhD, FAANS
Andrew B. Foy, MD, FAANS

1:01-1:11 p.m.
45. Pharmacotherapeutic Targeting of a Novel Inflammation Induced Switch of CSF Dynamics in Hydrocephalus Associated with Intraventricular Hemorrhage**
Kristopher Thomas Kahle, MD, PhD

1:12-1:20 p.m.
46. The Role of Subtemporal Decompression in the Management of Pediatric Slit Ventricle Syndrome**
Andrew Carlos Vivas, MD

2:15-2:30 p.m.
2014 Franc D. Ingraham Award for Distinguished Service and Achievement
Introduced By
John R. W. Kestle, MD, FAANS
Recipient
Marion L. Walker, MD, FAANS(L)

2:45 p.m.
First Drawing for Treasure Map Winner

3:01-3:06 p.m.
2015 Seattle Meeting Preview
Location: Magnolia Ballroom ABCD
Samuel R. Browd, MD, PhD, FAANS
Amy Lee, MD
3:07-3:17 p.m.
2013 Pediatric Section Research Awards
Samer K. Elbabaa, MD, FAANS
Erin Kiehna, MD

3:18-3:23 p.m.
Top Poster Award Recipients Announced

3:24-4:37 p.m.
Scientific Session VIII: Epilepsy/Functional
Moderators
Alexandra Beier, DO
Francesco T. Mangano, DO

3:24-3:34 p.m.
53. Resective Epilepsy Surgery for Tuberous Sclerosis (REST): A multi center international retrospective observational study**
Aria Fallah, MD

3:35-3:43 p.m.
54. Resilience of Developing Brain Networks to Interictal Epileptiform Discharges is Associated with Cognitive Outcome**
George M. Ibrahim, MD

3:44-3:52 p.m.
55. Anatomic Hemispherectomy for Intractable Epilepsy: An Analysis of Long term Outcomes and Incidence of Hydrocephalus in 70 children**
Neena Ishwari Marupudi, MD

3:53-4:01 p.m.
56. Stereotactic MRI guided Laser Interstitial Thermal Therapy of the Corpus Callosum for Refractory Childhood onset Epilepsy**
Analiz Rodriguez, MD

4:02-4:10 p.m.
57. Surgery for Catastrophic Epilepsy in Infants: The Miami Experience**
Samir Sur, MD

4:11-4:19 p.m.
58. Unique Findings of Subependymal Giant Cell Astrocytoma in Cortical Tubers Found in Patients with Tuberous Sclerosis Complex. A Histopathological Evaluation**
Joel Katz, MD

4:20-4:28 p.m.
59. Auditory Brainstem Implants: Surgical Experience in Non Neurofibromatosis Type 2 Pediatric Patients**
Matthew Koch, MD

4:29-4:37 p.m.
60. Dysfunctional thalamocortical pathway development and behavioral changes following prenatal global hypoxia ischemia.**
Jesse Lee Winer, MD

4:38-4:53 p.m.
Annual Business Meeting
Location: Magnolia Ballroom ABCD

4:54-5:09 p.m.
AAP/SONS Business Meeting
Location: Magnolia Ballroom ABCD

6-9 p.m.
Pirates of the Caribbean Evening
Location: Beachfront (Outdoors)
Ticket Required - Dress code is Casual.
Friday, Dec. 5

6-11 a.m.
Registration
Location: Amelia Ballroom Foyer

6:30-7:30 a.m.
Resident/Medical Students: Meet the Leadership Breakfast
Location: Ossabaw

7-11 a.m.
Speaker Ready Room
Location: Talbot B

7:15-7:45 a.m.
Continental Breakfast in Exhibit Hall
Location: Amelia Ballroom

7:46-7:50 a.m.
Announcements
Location: Magnolia Ballroom ABCD

7:51 a.m.-8:59 a.m.
Scientific Session IX: Neoplasm/Congenital

Moderators
Gerald A. Grant, MD, FAANS
Gregory G. Heuer, MD

7:51-8:01 a.m.
61. The Value of CSF Cytology in the Molecular Era of Medulloblastoma
Erin Kiehna, MD

8:02-8:10 a.m.
62. Rational Structure Based Design and Evaluation of STAT3 Inhibitors that Target Malignant Brain Tumors
David John Daniels, MD, PhD
8:11-8:19 a.m.
63. Effects of Anti fibrotic Treatments on White Matter Integrity in Experimental Infantile Hydrocephalus
James (Pat) Patterson McAllister II, PhD

8:20-8:28 a.m.
64. Fetal Myelomeningocele Repair: The Post MOMS Experience at the Children’s Hospital of Philadelphia
Gregory G. Heuer, MD

8:29-8:37 a.m.
65. Incidence of Delayed Hydrocephalus Following In Utero Myelomeningocele Repair**
Jason Elliott Blatt, MD

8:38-8:46 a.m.
66. Outcome Evaluation of Endoscopic Third Ventriculostomy in Infants who Underwent Prenatal In Utero Repair of Myelomeningocele
Samer K. Elbabaa, MD, FAANS

8:47-8:55 a.m.
67. Fetal Myelomeningocele Closure: Development of a Streamline Closure Technique
William E. Whitehead, MD, MPH, FAANS

8:56-8:59 a.m.
Q and A

9-10 a.m.
Clinical Symposium III: Fetal Myelomeningocele Repair: Current Challenges and Future Collaboration
Moderator
Bruce A. Kaufman, MD, FAANS
Panelists
Andrew B. Foy, MD, FAANS
Bruce A. Kaufman, MD, FAANS
John C. Wellons III, MD, FAANS

10:15 a.m.
Second Drawing for Treasure Map Winner

10:30-10:40 a.m.
2014 Hydrocephalus, Shulman and AAP/SONS Award Recipients Announced
Location: Magnolia Ballroom ABCD

10:41-10:49 a.m.
68. Treatment Paradigms for Subependymal Giant Cell Tumors in Tubersous Sclerosis Complex
David Houston Harter, MD, FAANS

10:50-10:58 a.m.
69. Surgical Correlates for the Molecular Subgroups of Medulloblastoma
Erin Kiehna, MD

10:59-11:07 a.m.
70. Risk of Endocrinopathy in Pediatric Craniopharyngiomas Treated with Surgical Intent to Cure
Peter Jang
10:41-10:49 a.m.
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70. Risk of Endocrinopathy in Pediatric Craniopharyngiomas Treated with Surgical Intent to Cure
Peter Jang

11:08-11:16 a.m.
71. Multidimensional Molecular Analysis of Histone 3 Mutations in Pediatric Diffuse Intrinsic Pontine Glioma
Amanda Muhs Saratsis, MD

11:17-11:25 a.m.
72. Inducing Stemness of Primary Glioblastoma Cells through Exosomal Transfer of microRNAs from Endothelial Cells
Jeffrey R. Leonard, MD, FAANS

Closing Remarks
11:26-11:30 a.m.
Bruce A. Kaufman, MD, FAANS
Pediatric Section Chair
The AANS/CNS Section on Pediatric Neurological Surgery wishes to thank the following companies for their generous support of this year's Annual Meeting.

In-kind equipment support from:
- CareFusion, V. Mueller
- Ethicon Surgical Care
- Integra LifeSciences
- Medtronic, Inc.
- Siemens Healthcare USA, Inc.
- Aesculap Inc.
- Biomet Microfixation
- Brainlab, Inc.
- Codman Neuro
- Cyberonics
- Hemostatix Medical Technologies
- Hydrocephalus Association
- IMRIS
- Karl Storz Endoscopy-America, Inc.
- Kennedy Krieger Institute
- KLS - Martin, LP
- LeBonheur Children’s Hospital
- Leica Microsystems
- Medtronic, Inc.
Go on a treasure hunt for a chance to win free registration and a two-night's hotel for the 44th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery in Seattle! Participate by visiting 10 different exhibitor booths and have a representative at each booth stamp your treasure map. Once you have 10 stamps on your treasure map, deposit it in the treasure chest at the entrance to the exhibit hall for your chance to win.

Winner must be present to win, and the prize is non-transferable. Drawings will be Thursday, Dec. 4, 2014, at 2:45 p.m. and Friday, Dec. 5, 2014, at 10:15 a.m.

1. Have your treasure map stamped at 10 booths in the exhibit hall
2. Fill out your contact information below
3. Deposit your treasure map into the raffle treasure chest at the exhibit entrance
4. Make sure to be in the exhibit hall Thursday, Dec. 4 at 2:45 p.m. and Friday, Dec. 5, at 10:15 a.m.

Winner must be present to win, and the prize is non-transferable. Drawings will be Thursday, Dec. 4, 2014, at 2:45 p.m. and Friday, Dec. 5, 2014, at 10:15 a.m.

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

Name ____________________________________________________________
Address __________________________________________________________
City/State/Zip/Country ______________________________________________
Cell Phone _________________________________________________________
E-mail ____________________________________________________________
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DIAMOND SUPPORT LEVEL
- Codman Neuro, a division of DePuy Orthopaedics, Inc.
- Medtronic, Inc.

EMERALD SUPPORT LEVEL
- Integra Foundation

Exhibitors
- Aesculap Inc. 202
- Biomet Microfixation 510
- Brainlab, Inc. 102
- Codman Neuro 302
- Cyberonics 311
- Hemostatix Medical Technologies 112
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- Karl Storz Endoscopy-America, Inc. 204
- KLS - Martin, LP 303
- LeBonheur Children’s Hospital 104
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- Moeller Medical GmbH 210
- Monteris Medical Inc. 402
- NICO Corporation 211
- Otostem 105
- Pro Med Instruments, Inc. 103
- Randall Children’s Hospital at Legacy Emanuel 413
- RosmanSearch, Inc. 305
- ShuntCheck Inc. 410
- Sophysa USA Inc. 111
- Soring, Inc. 401
- Surgical Theater, LLC 404
- UF Health 106
- Wolfson Children’s Hospital 110

Program At-a-glance

**Tuesday | Dec. 2**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>6:45 a.m.-7 p.m.</td>
<td>Registration</td>
<td>Amelia Ballroom Foyer</td>
</tr>
<tr>
<td>8:00-8:50 a.m.</td>
<td>Advanced Practice Provider (APP) Seminar</td>
<td>Cumberland AB</td>
</tr>
<tr>
<td>8:30 a.m.-4:30 p.m.</td>
<td>Cranio-Neural Course</td>
<td>Dr. Glen Nelson Surgeon Education and Training Center in Jacksonville</td>
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<tr>
<td>1:50 p.m.</td>
<td>Coding Course</td>
<td>Magnolia Ballroom E</td>
</tr>
<tr>
<td>6:30-7:30 p.m.</td>
<td>Opening Reception</td>
<td>Magnolia Gardens</td>
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**Wednesday | Dec. 3**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Location</th>
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<tbody>
<tr>
<td>6 a.m.-5 p.m.</td>
<td>Registration</td>
<td>Amelia Ballroom Foyer</td>
</tr>
<tr>
<td>6:30-7:30 a.m.</td>
<td>Breakfast Seminar</td>
<td>Magnolia Ballroom E</td>
</tr>
<tr>
<td>6:30-7:30 a.m.</td>
<td>APP Breakfast Seminar</td>
<td>Cumberland C</td>
</tr>
<tr>
<td>7:15-7:45 a.m.</td>
<td>Continental Breakfast in Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>7:15 a.m.-5:30 p.m.</td>
<td>Exhibit Hall Open</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>7:45 a.m.-12 p.m.</td>
<td>Plenary, Scientific Sessions and Poster Viewing</td>
<td>Magnolia Ballroom ABCD</td>
</tr>
<tr>
<td>10:10-10:30 a.m.</td>
<td>Beverage Break in Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>12:1 p.m.</td>
<td>Lunch and Book Signing in Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>1:45-3:15 p.m.</td>
<td>Plenary, Scientific Sessions and Poster Viewing</td>
<td>Magnolia Ballroom ABCD</td>
</tr>
<tr>
<td>1:45-3:15 p.m.</td>
<td>Beverage Break in Exhibit Hall</td>
<td>Amelia Ballroom</td>
</tr>
<tr>
<td>4:30-5:30 p.m.</td>
<td>Wine and Cheese Reception in Exhibit Hall</td>
<td>Amelia Ballroom</td>
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