Some of today’s best brains, working to save tomorrow’s.

With one of the most experienced neurosurgery programs and the largest pediatric brain tumor center on the west coast, Seattle Children’s has some of the best outcomes in the nation. So it’s no surprise that we’re ranked as one of the nation’s top 10 children’s hospitals in this specialty. To learn more, visit us at booth #309 or at seattlechildrens.org.
## PROGRAM AT-A-GLANCE

### TUESDAY, DEC. 8

<table>
<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 and Project Giving Tree</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>7 a.m.–6 p.m.</td>
<td>Speaker Ready Room</td>
<td>Juniper</td>
</tr>
<tr>
<td>8 a.m.–4:30 p.m.</td>
<td>Advanced Practice Provider (APP) Seminar</td>
<td>Metropolitan A</td>
</tr>
<tr>
<td>6–7:30 p.m.</td>
<td>Opening Reception</td>
<td>Cirrus Room, 35th floor, Pike St. Tower</td>
</tr>
</tbody>
</table>

### WEDNESDAY, DEC. 9

<table>
<thead>
<tr>
<th>TIME</th>
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</tr>
</thead>
<tbody>
<tr>
<td>6 a.m.–5 p.m.</td>
<td>Registration and Project Giving Tree</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>6:30–7:30 a.m.</td>
<td>Breakfast Seminar</td>
<td>Redwood</td>
</tr>
<tr>
<td>6:30–7:30 a.m.</td>
<td>APP Breakfast Seminar</td>
<td>Aspen</td>
</tr>
<tr>
<td>7 a.m.–4 p.m.</td>
<td>Speaker Ready Room</td>
<td>Juniper</td>
</tr>
<tr>
<td>7:15–7:45 a.m.</td>
<td>Continental Breakfast in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:15 a.m.–5:30 p.m.</td>
<td>Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:45–9 a.m.</td>
<td>Scientific Session I: Hydrocephalus I/ETV Abstract Presentations</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>9–9:59 a.m.</td>
<td>Clinical Symposium I: Hydrocephalus: Shunting vs. ETV</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>10–10:30 a.m.</td>
<td>Beverage Break in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>10:30–11:17 a.m.</td>
<td>Scientific Session II: History/QI Abstract Presentations</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>11:18–11:59 a.m.</td>
<td>Raimondi Lecture</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>12–1 p.m.</td>
<td>Lunch in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>1:01–1:11 a.m.</td>
<td>PediNSQIP</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>1:12–2:16 p.m.</td>
<td>Scientific Session III: Spine/Trauma Abstract Presentations</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>2:17–2:44 p.m.</td>
<td>Equipoise in Pediatric ICP Management: Current Management and Future Research Directions</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>2:45–3:15 p.m.</td>
<td>Beverage Break in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>3:16–4:29 p.m.</td>
<td>Scientific Session IV: Neoplasm I Abstract Presentations</td>
<td>Grand Ballroom C</td>
</tr>
<tr>
<td>4:30–5:30 p.m.</td>
<td>Wine and Cheese Reception in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
</tbody>
</table>

### THURSDAY, DEC. 10

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
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<tbody>
<tr>
<td>6 a.m.–5 p.m.</td>
<td>Registration and Project Giving Tree</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>6:30–7:30 a.m.</td>
<td>Breakfast Seminar</td>
<td>Redwood</td>
</tr>
<tr>
<td>6:30–7:30 a.m.</td>
<td>APP Breakfast Seminar</td>
<td>Aspen</td>
</tr>
<tr>
<td>7 a.m.–4 p.m.</td>
<td>Speaker Ready Room</td>
<td>Juniper</td>
</tr>
<tr>
<td>7:15–7:45 a.m.</td>
<td>Continental Breakfast in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:15 a.m.–3:05 p.m.</td>
<td>Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:45–8:41 a.m.</td>
<td>Scientific Session V: Technical Advances/Imaging Abstract Presentations</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>8:42–9:42 a.m.</td>
<td>Clinical Symposium II: Concussions: Controversies and Management</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>9:43–9:59 a.m.</td>
<td>2015 Franc D. Ingraham Award for Distinguished Service and Achievement A. Leland Albright, MD, FAANS(L)</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>10–10:30 a.m.</td>
<td>Special Beverage Break in the Exhibit Hall Honoring Dr. Albright</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>12:04–1:04 p.m.</td>
<td>Lunch in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>1:04–1:15 p.m.</td>
<td>Section Research Award Presentation and 2016 Orlando Preview</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>2–2:44 p.m.</td>
<td>AAP/SONS Special Lecture</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>2:45–3:15 p.m.</td>
<td>Beverage Break in the Exhibit Hall Prize Drawing</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>3:16–3:24 p.m.</td>
<td>Poster Awards Announced</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>3:25–4:29 p.m.</td>
<td>Scientific Session VIII: Chiari/Craniosynostosis</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>4:30–4:45 p.m.</td>
<td>International Education Subcommittee Survey</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>4:46–5:01 p.m.</td>
<td>Annual Business Meeting</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>5:01–5:15 p.m.</td>
<td>AAP/SONS Business Meeting</td>
<td>Grand Ballroom D</td>
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</tbody>
</table>

All dates and times are subject to change.
FRIDAY, DEC. 11

<table>
<thead>
<tr>
<th>TIME</th>
<th>EVENT</th>
<th>LOCATION</th>
</tr>
</thead>
<tbody>
<tr>
<td>6–11 a.m.</td>
<td>Registration and Project Giving Tree</td>
<td>Grand Ballroom Foyer</td>
</tr>
<tr>
<td>7–11 a.m.</td>
<td>Speaker Ready Room</td>
<td>Juniper</td>
</tr>
<tr>
<td>7:15–7:45 a.m.</td>
<td>Continental Breakfast in the Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:45–10:30 a.m.</td>
<td>Exhibit Hall</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>7:45–8:58 a.m.</td>
<td>Scientific Session IX: Neoplasm II Abstract Presentations</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>8:59–9:58 a.m.</td>
<td>Clinical Symposium III: Advances in Tumor Technology</td>
<td>Grand Ballroom D</td>
</tr>
<tr>
<td>10–10:30 a.m.</td>
<td>Beverage Break in the Exhibit Hall and Prize Drawing</td>
<td>Grand Ballroom ABC</td>
</tr>
<tr>
<td>10:30–11:30 a.m.</td>
<td>Scientific Session X: Vascular Abstract Presentations, Award Recipients Announced, and Closing Remarks</td>
<td>Grand Ballroom D</td>
</tr>
</tbody>
</table>

**Poster Information**

Don’t miss the opportunity to see additional scientific abstracts that were submitted to the annual meeting by stopping by to visit the Top Posters displayed in Grand Ballroom Foyer and viewing the ePosters that are available in the Meeting App.

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

**Project Giving Tree**

This year we will be providing an opportunity to “give back” through Project Giving Tree. This is another way for us to show our support to pediatric neurosurgical patients and families in need. By making a donation, you help provide food, clothing and toys to children and their families. 100 percent of your donation is given to the children and their families. Cash, check and credit card donations of any amount are accepted at the annual meeting’s registration desk. If you have any questions, please contact Angela Forbes, ARNP, at angela.forbes@seattlechildrens.org. Your contribution is truly appreciated!

**A Taste of Seattle Dining Guide**

Are you looking to expand your palate and experience Seattle’s renowned cuisine at this year’s annual meeting? The local Seattle planning committee is excited to recommend and share a list of top restaurants. During your stay, be sure to take advantage of having a free evening and enjoy exploring a few of Seattle’s culinary gems. For your convenience, a local dining guide is readily available through the Meeting App or at the registration desk in the Grand Ballroom Foyer.

**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 image, video and biography 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.
**ADVANCED PRACTICE PROVIDER SEMINAR**

**Tuesday, Dec. 8**

6:45 a.m.–7 p.m.
Registration
Location: Grand Ballroom Foyer

7 a.m.–6 p.m.
Speaker Ready Room
Location: Juniper

**Advanced Practice Provider Seminar**
Location: Metropolitan A
Ticket Required

8–8:10 a.m.
Welcome and Introductions
Angela Forbes, ARNP

8:10–8:50 a.m.
Epilepsy/Laser Ablation
Jeffrey G. Ojemann, MD, FAANS

8:50–9:30 a.m.
Chiari Malformations
Richard G. Ellenbogen, MD, FAANS

9:30–10:10 a.m.
Transsphenoidal Approach/DI
Manuel Ferreira Jr., MD, PhD, FAANS

10:10–10:30 a.m.
Beverage Break

10:30–11:10 a.m.
Newborn Exam/Muscle Strength/Tone
William O. Walker, MD

11:10–11:50 a.m.
Congenital Brain Abnormalities
Daniel A. Doherty, MD, PhD

11:50 a.m.–12:50 p.m.
Lunch and Networking

12:50–1:30 p.m.
Brain Tumors
Corrine C. Hoeppner, MN, ARNP

1:30–2:10 p.m.
Evolution of Care in Pediatric Neurosurgery/Role of the NP
Nadine M. Nielsen, MN, ARNP
Shannon M. Fitzgerald, ARNP, MSN

2:10–2:30 p.m.
Beverage Break

2:30–3:10 p.m.
Advanced Practice Providers Involved in Research
Cathy Cartwright, MSN, RN

3:11–4:10 p.m.
Abstract Presentations

3:11–3:25 p.m.
1. Acute Clinical Presentations following Functional hemispherectomy: Implications for Improved Post-operative Management
Herta WH Yu, ACNP

3:26–3:40 p.m.
2. The Implementation of a Multidisciplinary Approach to Reduce Surgical Site Infections In Pediatric Neurosurgery Patients
Anne Marie Gildehaus, CPNP

3:41–3:55 p.m.
3. Increasing Situational Awareness: Pediatric Neurosurgery Pilot Experience with the Watcher List
Ameex Moreno, MSN, CPNP

3:56–4:10 p.m.
4. Improving access to emergent pediatric neurosurgery consultations in Kentucky
Christen Hunt, RN

4:10–4:25 p.m.
Group Discussion and Evaluation
Amanda Breedt, ARNP

**ANNUAL MEETING PROGRAM SCHEDULE**

**Tuesday, Dec. 8**

6:45 a.m.–7 p.m.
Registration
Location: Grand Ballroom Foyer

7 a.m.–6 p.m.
Speaker Ready Room
Location: Juniper

11:30 a.m.
Executive Committee Lunch
Location: Redwood

12–4 p.m.
Executive Committee Meeting
Location: Redwood

6–7:30 p.m.
Opening Reception
Location: Cirrus Room, 35th Floor in Pike St. Tower
Ticket Required
Supported by Medtronic.

**Wednesday, Dec. 9**

6 a.m.–5 p.m.
Registration
Location: Grand Ballroom Foyer

6:30–7:30 a.m.
Breakfast Seminar; Medical Legal Aspects of Concussion Management
Location: Redwood
Moderator
Richard G. Ellenbogen, MD, FAANS
Panelists
Melissa Carter, Esq.
Fred P. Langer, RN, Esq.
Ticket Required
Advanced Practice Provider Breakfast Seminar; Spine Clearance
Location: Aspen
Presenter
Richard C. E. Anderson, MD, FAANS
Ticket Required

7 a.m.–4 p.m.
Speaker Ready Room
Location: Juniper

7:15–7:45 a.m.
Continental Breakfast in the Exhibit Hall
Location: Grand Ballroom ABC

7:15 a.m.–5:30 p.m.
Exhibit Hall
Location: Grand Ballroom ABC

7:45–7:50 a.m.
Welcome/Opening Remarks
Location: Grand Ballroom D
Sarah J. Gaskill, MD, FAANS
Pediatric Section Chair

7:50–7:55 a.m.
Program Overview
Samuel R. Browd, MD, PhD, FAANS
Amy Lee, MD
7:55–9 a.m.  
**Scientific Session I: Hydrocephalus I/ETV**  
**Moderators**  
David Frederick Bauer, MD, FAANS  
David Delmar Limbrick Jr., MD, PhD, FAANS

7:56–8:06 a.m.  
1. The Cellular Basis for Cerebrospinal Fluid Shunt Obstruction: Construction of an Explanted Hydrocephalus Device Bank  
Brian William Hanak, MD

7:56–8:06 a.m.  
2. ETV CPC Success and Evolving Indications and Technique Over Time: An HCRN Study  
Jay K. Riva Cambrin, MD, FAANS

7:56–8:06 a.m.  
3. Neuroinflammation in Hydrocephalus Varies by Etiology  
Gakwaya Habiyaremye

7:56–8:06 a.m.  
4. “Failure” after third ventriculostomy in patients with the highest pre-operative ETV success scores  
Daniel H. Fulkerson, MD, FAANS

7:56–8:06 a.m.  
5. Age as a Risk Factor for Revision of Ventriculopleural Shunt  
Edward Melamed

7:56–8:06 a.m.  
6. Surgeon Interrater Reliability in Endoscopic Assessment of Cistern Scarring and Aqueduct Patency  
Le (Lucy) He, MD

7:56–8:06 a.m.  
7. Ventricular Zone Disruption in Human Neonates with Hydrocephalus following Intraventricular Hemorrhage  
James (Pat) Patterson McAllister II, PhD

9:01–9:59 a.m.  
Clinical Symposium I: Hydrocephalus: Shunting vs. ETV  
**Moderator**  
Abhaya Vivek Kulkarni, MD, FAANS  
**Panelists**  
Jay K. Riva Cambrin, MD, FAANS  
Paul Klimo Jr., MD, FAANS

10:01–1:11 p.m.  
Lunch in the Exhibit Hall  
**Location:** Grand Ballroom ABC

11:09–11:17 a.m.  
12. Death in Shunted Hydrocephalic Children: A Modern Retrospective Review  
Lauren Elana Rotman, MD

12–1 p.m.  
**Location:** Grand Ballroom ABC

11:18–11:59 a.m.  
Raimondi Lecture  
Leadership and Innovation  
Rick R. Holley

12–1 p.m.  
**Location:** Grand Ballroom D

11:30–1:17 a.m.  
**Scientific Session II: History/QI**  
**Location:** Grand Ballroom D  
**Moderators**  
Lissa Catherine Baird, MD  
Sandi K. Lam, MD, FAANS

10:31–10:41 a.m.  
Brandon Sherrod

10:42–10:50 a.m.  
9. Multicenter 30 day outcomes of postnatal myelomeningocele surgery using Pediatric NSQIP  
Jacob Cheriyan, MD

10:51–10:59 a.m.  
10. Health Related Quality of Life Outcomes and Level of Evidence in Pediatric Neurosurgery  
Daniel R. Hansen, MD

11–11:08 a.m.  
11. Prioritizing Pediatricians’ Neurosurgical Education: Results of an American Academy of Pediatrics Survey of 505 Pediatricians  
Philipp R. Aldana, MD, FAANS

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Raimondi Lecture  
Leadership and Innovation  
Rick R. Holley

12–1 p.m.  
**Location:** Grand Ballroom D
2:17–2:44 p.m.
Equipoise in Pediatric ICP Management: Current Management and Future Research Directions
Randall M. Chesnut, MD

2:45–3:15 p.m.
Beverage Break in the Exhibit Hall
Location: Grand Ballroom ABC

3:16–4:29 p.m.
Scientific Session IV: Neoplasm I
Location: Grand Ballroom D
Moderators
Jeffrey R. Leonard, MD, FAANS
David I. Sandberg, MD, FAANS

3:16–3:26 p.m.
20. Analysis of Diffusion Tensor Imaging and BRAF Mutational Status in Pediatric Thalamopeduncular Pilocytic Astrocytomas
Kimberly Anne Foster, MD

3:27–3:35 p.m.
21. Targeting Histone Mutations in Pediatric Glioblastomas
David John Daniels, MD, PhD

3:36–3:44 p.m.
22. Biological Significance of Exosomes in Medulloblastomas
Jeffrey R. Leonard, MD, FAANS

3:45–3:53 p.m.
23. Menin: A Novel Therapeutic Target for Diffuse Intrinsic Pontine Glioma
Peter F. Morgenstern, MD

3:54–4:02 p.m.
24. stereotactic biopsy of pediatric brainstem glioma
Seung won Choi

4:03–4:11 p.m.
25. Seizure Development after Supratentorial Tumor Resection in Pediatric Patients
Fadi Saadeh

4:12–4:20 p.m.
26. Urinary levels of bFGF, MMP13, and Netrin-1 are Capable of Distinguishing between Benign (JPA) and Invasive (Medulloblastoma) Pediatric Tumor Pathology
Katie Lynn Pricola, MD

4:21–4:29 p.m.
27. Netrin 1 Expression and Receptor Status Provides Unique Biomarker Signatures for Ependymoma and Influence Tumor Phenotype
Edward Robert Smith, MD, FAANS

4:30–5:30 p.m.
Wine and Cheese Reception in the Exhibit Hall
Location: Grand Ballroom ABC
Ticket Required
Supported by Medtronic.

6:30–7:30 a.m.
Advanced Practice Provider Breakfast Seminar: Concussion: Assessment, Management and Clearance
Location: Aspen
Panelists
John F. Bennett, ARNP
Tom McNalley, MD, MA
Ticket Required

7 a.m.–4 p.m.
Speaker Ready Room
Location: Juniper

7:15–7:45 a.m.
Continental Breakfast in the Exhibit Hall
Location: Grand Ballroom ABC

7:15 a.m.–3:05 p.m.
Exhibit Hall
Location: Grand Ballroom ABC

7:46–8:41 a.m.
Scientific Session V: Technical Advances/Imaging
Location: Grand Ballroom D
Moderators
Gerald A. Grant, MD, FAANS
Mandeep Singh Tamber, MD, PhD, FAANS

7:46–7:56 a.m.
28. Optical Coherence Tomography Can Noninvasively Detect Elevated Intracranial Pressure
Brian Joseph Kelley, MD, PhD

7:57–8:05 a.m.
29. The Development of Hand Related Electroencephalographic Changes
Kelly L. Collins, MD

8:06–8:14 a.m.
30. Development of a Rapid Complement Membrane Attack Complex (MAC) Assay for Diagnosis of Shunt Infection
James M. Johnston Jr., MD, FAANS

Thursday, Dec. 10
Signifies Award Candidate

6 a.m.–5 p.m.
Registration
Location: Grand Ballroom Foyer

6:30–7:30 a.m.
Breakfast Seminar: Idea to Product: How to Commercialize Your Ideas in Neurosurgery
Location: Redwood
Moderator
Catherine Anne Mazzola, MD, FAANS
Panelist
Samuel R. Browd, MD, PhD, FAANS
Ticket Required
<table>
<thead>
<tr>
<th>Time</th>
<th>Session/Activity</th>
</tr>
</thead>
</table>
| 10:31 a.m.–12:03 p.m. | **Scientific Session VI: Hydrocephalus II/Developmental Anomalies**  
**Location:** Grand Ballroom D  
**Moderators:** Philipp R. Aldana, MD, FAANS  
Eric M. Jackson, MD, FAANS |
| 10:31–10:41 a.m. | **34.** Cerebrospinal Fluid Amyloid Precursor Protein Levels are Diagnostic of Infantile Congenital Hydrocephalus  
David Delmar Limbrick Jr., MD, PhD, FAANS |
| 10:42–10:50 a.m. | **35.** Favorable Collaboration with International Adoption Clinic for Management of Neural Tube Defects  
Jeffrey P. Blount, MD, FAANS |
| 10:51–10:59 a.m. | **36.** Altered oligodendrocytic precursor cell (OPC) specification leads to neonatal hydrocephalus in a Bardet-Biedel Syndrome (Bbs1) knockout mouse model  
Sanjit Shah |
| 11:00 a.m.–12:03 p.m. | **Scientific Session VII: Epilepsy/Functional**  
**Location:** Grand Ballroom D  
**Moderators:** Matthew D. Smyth, MD, FAANS  
Nicholas M. Wetjen, MD, FAANS |
| 11:27–11:35 a.m. | **40.** Standardized Post-Operative “Simple” Tethered Cord Orders (Flat Bed Rest) Reduces Hospital Cost  
John Harrel Honeycutt, MD, FAANS |
| 11:36–11:44 a.m. | **41.** Fetal Ventriculomegaly: Predicting Need for Post-Natal Shunt using Fetal MRI and Machine Learning  
Jared Pisapia, MD |
| 11:45–11:53 a.m. | **42.** Simulation-based Education for Endoscopic Third Ventriculostomy: A Comparison between Virtual and Physical Training Models  
Faizal Haji, MD, PhD |
| 11:54 a.m.–12:02 p.m. | **43.** The Natural History and Management of Patients with Congenital Deficits Associated with Lumbar Sacral Lipomas  
Albert Tu, MD |
| 12:03–1:03 p.m. | **Lunch in the Exhibit Hall**  
**Location:** Grand Ballroom ABC |
| 12:04–1:09 p.m. | **Section Research Award:** Comparison of Biological Differences Between Normal Osteoblasts and Osteoblasts Derived from Patients with Craniosynostosis  
**Location:** Grand Ballroom D  
Ann M. Ritter, MD, FAANS |
| 1:04–1:15 p.m. | **2016 Orlando Preview**  
Greg Olavarria, MD  
Jogi V. Pattisapu, MD, FAANS(L) |
| 1:16–1:59 p.m. | **Scientific Session VII: Epilepsy/Functional**  
**Location:** Grand Ballroom D  
**Moderators:** Matthew D. Smyth, MD, FAANS  
Nicholas M. Wetjen, MD, FAANS |
| 1:16–1:26 p.m. | **44.** Outcomes after Hemispherotomy for ESES (Electrical Status Epilepticus During Sleep)  
Jennifer Strahle, MD |
| 1:27–1:35 p.m. | **45.** Initial Experiences with Laser Thermal Ablation in Pediatric Epilepsy Patients  
Robert Thomas Buckley, MD |
1:36–1:44 p.m.
46. Focal Cortical Dysplasia in a Pediatric Epilepsy Surgical Cohort Classified Using the Blumcke Criteria
Travis Tierney, MD, PhD

1:45–1:53 p.m.
47. Trans-Falcine and Sub-Frontal Insertion of Contralateral Subdural Grids and Depth Electrodes in Pediatric Epilepsy Surgery
Jonathan A. Pindrik, MD

1:54–1:59 p.m.
Question and Answers

2–2:44 p.m.
AAP/SONS Special Lecture
How 140 Characters Are Changing Healthcare
Wendy Sue L. Swanson, MD, MBE

2:45–3:15 p.m.
Beverage Break in the Exhibit Hall and Prize Drawing
Location: Grand Ballroom ABC

3:16–3:24 p.m.
Poster Awards Announced
Location: Grand Ballroom D
Samuel R. Browd, MD, PhD, FAANS
Amy Lee, MD

3:25–4:29 p.m.
Scientific Session VIII: Chiari/Craniosynostosis
Moderators
Richard C. E. Anderson, MD, FAANS
Nathan Joseph Ranalli, MD

3:25–3:35 p.m.
48. Analysis and inter-rater reliability of pB-C2 using MRI and CT: Data from the Park-Reeves Syringomyelia Research Consortium
Todd Cameron Hankinson, MD, MBA, FAANS

3:36–3:44 p.m.
49. Time Course of Response and Predictors of Outcome After Endoscopic Cranietomy with Helmeting for Infants with Sagittal Craniosynostosis
Qiuyu (Cynthia) Jin

3:45–3:53 p.m.
50. The long-term outcome of Chiari-related scoliosis: A single-institution experience with 6-to-19 year follow up
Douglas L. Brockmeyer, MD, FAANS

3:54–4:02 p.m.
51. External Validity of the Chiari Severity Index among Patients Treated with Intracranial Extra-Dural Decompression
Jared Pisapia, MD

4:03–4:11 p.m.
52. Novel Surgical and Radiological Risk Factors for Recurrence of Pediatric Pilocytic Astrocytoma
Karie Glennys Villanueva

4:12–4:20 p.m.
53. Endoscopic Spring Cranioplasty For Sagittal Synostosis-A New Procedure And Our Experience With 33 Patients
Atilio Edgardo Palma, MD

4:21 p.m.–4:29 p.m.
54. Morphometric analysis of predictors of cervical syrinx formation in the setting of Chiari-I
Kyle Gregory Halvorson, MD

4:30–4:45 p.m.
International Education Subcommittee Survey
Jogi V. Pattisapu, MD, FAANS(L)

5:01–5:15 p.m.
AAP/SONS Business Meeting
Location: Grand Ballroom Foyer

7–11 a.m.
Speaker Ready Room
Location: Juniper

7:15–10:30 a.m.
Exhibit Hall
Location: Grand Ballroom ABC

7:45–8:59 a.m.
Scientific Session IX: Neoplasm II
Location: Grand Ballroom D
Moderators
Sarah J. Gaskill, MD, FAANS
Todd Cameron Hankinson, MD, MBA, FAANS

7:45–7:55 a.m.
55. Pilot Clinical Trial Evaluating Chemotherapy Administration Directly into the Fourth Ventricle in Children with Malignant Fourth Ventricular Brain Tumors
David I. Sandberg, MD, FAANS

Friday, Dec. 11

6–11 a.m.
Registration
Location: Grand Ballroom Foyer

7–11 a.m.
Speaker Ready Room
Location: Juniper

7:15–7:45 a.m.
Continental Breakfast in the Exhibit Hall
Location: Grand Ballroom ABC
7:56–8:04 a.m.  
56. The impact of tumor resection and intraoperative electrocorticography in patients with tumor-related seizures  
Liliana C. Goumnerova, MD, FAANS

8:05–8:13 a.m.  
57. Survival of Pediatric Patients with Spinal Myxopapillary Ependymomas: A Population-Based Study  
Kelly Lucchesi

8:14–8:22 a.m.  
58. Craniopharyngioma: A Single-Center Experience with Endocrinological Effects of Aggressive Resection  
Casey James Madura, MD

8:23–8:31 a.m.  
59. Establishing Standard Performance Measures for Pediatric Brain Tumor Patients  
Kristopher Gray Hooten, MD

8:32–8:40 a.m.  
60. Pineoblastomas in Children: A Surgical Series  
Kara Parikh

8:41–8:49 a.m.  
61. Early Results of a Phase I Clinical Trial of Intraoperative Photodynamic Therapy (PDT) for Poor Prognosis Recurrent and Refractory Pediatric Brain Tumors  
Andrew B. Foy, MD, FAANS

8:50–8:58 a.m.  
Joseph Juliano

8:59–9:59 a.m.  
Clinical Symposium III: Advances in Tumor Technology  
Moderator  
Richard G. Ellenbogen, MD, FAANS  
Panelists  
Eric C. Holland, MD, PhD  
James M. Olson, MD, PhD

10–10:30 a.m.  
Beverage Break in the Exhibit Hall and Prize Drawing  
Location: Grand Ballroom ABC

10:31–11:15 a.m.  
Scientific Session X: Vascular  
Location: Grand Ballroom D  
Moderators  
Daniel Edward Couture, MD, FAANS  
Edward Robert Smith, MD, FAANS

10:31–10:39 a.m.  
63. Long Term Outcomes of Pediatric Moyamoya Patients 20 Years After Indirect Revascularization  
Edward Robert Smith, MD, FAANS

10:40–10:48 a.m.  
64. Outcome and Surgical Technique of a Modified Encephalo-Duro-Synangiosis (EDS) for Moyamoya Disease  
Carolina Sandoval-Garcia, MD

10:49–10:57 a.m.  
65. Cavernous Malformations in the Pediatric Population  
Laura Prolo, MD, PhD

10:58–11:06 a.m.  
66. Predicting symptomatic cerebral vasospasm after aneurysmal subarachnoid hemorrhage with an artificial neural network in the pediatric population  
Jesse Michael Skoch, MD

11:07–11:15 a.m.  
67. Stereotactic Radiosurgery for Pediatric Arteriovenous Malformation: the University of Texas Southwestern Experience  
James A. Botros, MD

11:16–11:24 a.m.  
Hydrocephalus, Shulman and AAP/SONS Award Recipients Announced  
Samuel R. Browd, MD, PhD, FAANS  
Amy Lee, MD

11:25–11:30 a.m.  
Closing Remarks  
Sarah J. Gaskill, 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.

**Diamond Support Level**
Codman Neuro, a division of DePuy Orthopaedics, Inc.
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The AANS wishes to thank Codman Neuro, a division of DePuy Orthopaedics, Inc. for providing an educational grant to support the meeting.

Win Complimentary Registration and Hotel Stay at the 2016 Pediatric Section Annual Meeting

Instructions
Attendants have the opportunity during meals, breaks and the Wine and Cheese Reception to win free meeting registration and two-night stay for the 45th Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery in Orlando! 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 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. 10, at 3 p.m. and Friday, Dec. 11, 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 Exhibit Hall entrance.
4. Make sure to be in the Exhibit Hall Thursday, Dec. 10 at 3 p.m. and Friday, Dec. 11, at 10:15 a.m.

Name
Address
City    State  Zip            Country
Email

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

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