

Connect With Exhibiting Companies

305	306	307	309	311	312
207	212	213	302	303	304
102	103	105	107	110	113
				202	203
				204	206



Left to right counterclockwise - Samuel Browd, MD, PhD; Jeffrey Ojemann, MD; Richard Ellenbogen, MD; Amy Lee, MD

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.



Seattle Children's®
HOSPITAL • RESEARCH • FOUNDATION

Neurosurgery

Hope. Care. Cure.™

INNOVATION, INVENTION and the FUTURE of PEDIATRIC NEUROSURGERY

44TH ANNUAL MEETING OF THE AANS | CNS SECTION ON PEDIATRIC NEUROLOGICAL SURGERY

44

2015 QUICK PLANNER



#PedsNeuro2015



DECEMBER 8-11, 2015

Sheraton Seattle Hotel
Seattle, Washington



CNS

Access the Meeting App at: <http://2015peds.pedsneurosurgery.org>

PROGRAM AT-A-GLANCE

TUESDAY, DEC. 8

TIME	EVENT	LOCATION
6:45 a.m.–7 p.m.	Registration and Project Giving Tree	Grand Ballroom Foyer
7 a.m.–6 p.m.	Speaker Ready Room	Juniper
8 a.m.–4:30 p.m.	Advanced Practice Provider (APP) Seminar	Metropolitan A
6–7:30 p.m.	Opening Reception	Cirrus Room, 35th floor; Pike St. Tower

WEDNESDAY, DEC. 9

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

PROGRAM AT-A-GLANCE

THURSDAY, DEC. 10

TIME	EVENT	LOCATION
6 a.m.–5 p.m.	Registration and Project Giving Tree	Grand Ballroom Foyer
6:30–7:30 a.m.	Breakfast Seminar	Redwood
6:30–7:30 a.m.	APP Breakfast Seminar	Aspen
7 a.m.–4 p.m.	Speaker Ready Room	Juniper
7:15–7:45 a.m.	Continental Breakfast in the Exhibit Hall	Grand Ballroom ABC
7:15 a.m.–3:05 p.m.	Exhibit Hall	Grand Ballroom ABC
7:45–8:41 a.m.	Scientific Session V: Technical Advances/Imaging Abstract Presentations	Grand Ballroom D
8:42–9:42 a.m.	Clinical Symposium II: Concussions: Controversies and Management	Grand Ballroom D
9:43–9:59 a.m.	2015 Franc D. Ingraham Award for Distinguished Service and Achievement <i>A. Leland Albright, MD, FAANS(L)</i>	Grand Ballroom D
10–10:30 a.m.	Special Beverage Break in the Exhibit Hall Honoring Dr. Albright	Grand Ballroom ABC
10:31 a.m.–12:03 p.m.	Scientific Session VI: Hydrocephalus II/ Developmental Anomalies Abstract Presentations	Grand Ballroom D
12:04–1:04 p.m.	Lunch in the Exhibit Hall	Grand Ballroom ABC
1:04–1:15 p.m.	Section Research Award Presentation and 2016 Orlando Preview	Grand Ballroom D
1:16–1:59 p.m.	Scientific Session VII: Epilepsy/Functional Abstract Presentations	Grand Ballroom D
2–2:44 p.m.	AAP/SONS Special Lecture <i>Wendy Sue L. Swanson, MD, MBE</i>	Grand Ballroom D
2:45–3:15 p.m.	Beverage Break in the Exhibit Hall and Prize Drawing	Grand Ballroom ABC
3:16–3:24 p.m.	Poster Awards Announced	Grand Ballroom D
3:25–4:29 p.m.	Scientific Session VIII: Chiari/Craniosynostosis	Grand Ballroom D
4:30–4:45 p.m.	International Education Subcommittee Survey	Grand Ballroom D
4:46–5:01 p.m.	Annual Business Meeting	Grand Ballroom D
5:01–5:15 p.m.	AAP/SONS Business Meeting	Grand Ballroom D

All dates and times are subject to change.

FRIDAY, DEC. 11

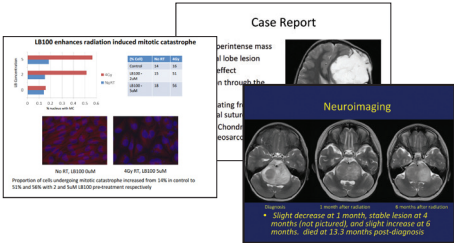
TIME	EVENT	LOCATION
6–11 a.m.	Registration and Project Giving Tree	Grand Ballroom Foyer
7–11 a.m.	Speaker Ready Room	Juniper
7:15–7:45 a.m.	Continental Breakfast in the Exhibit Hall	Grand Ballroom ABC
7:45–10:30 a.m.	Exhibit Hall	Grand Ballroom ABC
7:45–8:58 a.m.	Scientific Session IX: Neoplasm II Abstract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



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.

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. Hoepfner, 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-AC

3:41–3:55 p.m.

3. Increasing Situational Awareness: Pediatric Neurosurgery Pilot Experience with the Watcher List

Amea 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

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

4–5 p.m.

Education 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



★ Signifies Award Candidate

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

8:07–8:15 a.m.

- 2.** ETV CPC Success and Evolving Indications and Technique Over Time: An HCRN Study

Jay K. Riva Cambrin, MD, FAANS

8:16–8:24 a.m.

- ★ **3.** Neuroinflammation in Hydrocephalus Varies by Etiology
Gakwaya Habiyaemye

8:25–8:33 a.m.

- 4.** “Failure” after third ventriculostomy in patients with the highest pre-operative ETV success scores

Daniel H. Fulkerson, MD, FAANS

8:34–8:42 a.m.

- ★ **5.** Age as a Risk Factor for Revision of Ventriculopleural Shunt
Edward Melamed

8:43–8:51 a.m.

- ★ **6.** Surgeon Interrater Reliability in Endoscopic Assessment of Cistern Scarring and Aqueduct Patency
Le (Lucy) He, MD

8:52–9 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

10–10:30 a.m.

- Beverage Break in the Exhibit Hall

Location: Grand Ballroom ABC

10:31–11:17 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.

- ★ **8.** Risk Factors for Unplanned Readmission Within 30 Days after Pediatric Neurosurgery: A Nationwide Analysis of 9,799 Procedures from ACS NSQIP

Brandon Sherrod

10:42–10:50 a.m.

- ★ **9.** Multicenter 30 day outcomes of postnatal myelomeningocele surgery using Pediatric NSQIP

Jacob Cherian, 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

11:09–11:17 a.m.

- ★ **12.** Death in Shunted Hydrocephalic Children: A Modern Retrospective Review
Lauren Elana Rotman, MD

11:18–11:59 a.m.

- Raimondi Lecture
Leadership and Innovation

Rick R. Holley

12–1 p.m.

- Lunch in the Exhibit Hall

Location: Grand Ballroom ABC

1:01–1:11 p.m.

- PediNSQIP

Location: Grand Ballroom D

Liliana C. Goumnerova, MD, FAANS

1:12–2:16 p.m.

Scientific Session III: Spine/Trauma

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

Moderators

Andrew H. Jea, MD, FAANS

Alexander K. Powers, MD

1:12–1:22 p.m.

- ★ **13.** Atlantoaxial Fusion in the Pediatric Population: A Multicenter Analysis of Predictors of Non-Fusion
Walavan Sivakumar, MD

1:23–1:31 p.m.

- 14.** Morphometric Analysis of the Developing Pediatric Cervical Spine
Richard C. E. Anderson, MD, FAANS

1:32–1:40 p.m.

- ★ **15.** A Two Dimensional Threshold of the Condylar-C1 Interval on Computed Tomography (CT): Analysis of 578 Normal Patients with Comparison to Atlanto-Occipital Dislocation
Vijay Mysore Ravindra, MD

1:41–1:49 p.m.

- ★ **16.** Erythropoietin Mitigates Pathologic Evolution of Severe Traumatic Brain Injury in an Infant Model
Jesse Lee Winer, MD

1:50–1:58 p.m.

- ★ **17.** Medical necessity of routine admission of children to the Intensive Care Unit with mild traumatic brain injury
Jared D. Ament, MD

1:59–2:07 p.m.

- ★ **18.** Treatment Practices and Outcomes Following Blunt Cerebrovascular Injury in Children
Michael Dewan, MD

2:08–2:16 p.m.

- ★ **19.** An Analysis of the Efficacy of Evidence Based Guidelines for the Management of Severe Traumatic Brain Injury in Children
Eric Anthony Sribnick, MD, PhD



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.



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

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 Electrographic 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



8:15–8:23 a.m.

31. Variations of the Slope of the Tentorium During Childhood

Roberta Rehder, MD

8:24–8:32 a.m.

32. Withdrawn

8:33–8:41 a.m.

33. Management Utility and Reliability of Early MRI in Children with Head Injury Requiring Intensive Care

Ann-Christine Duhaime, MD, FAANS

8:42–9:42 a.m.

Clinical Symposium II: Concussions: Controversies in Management

Moderator

James M. Johnston Jr., MD, FAANS

Panelists

Ann-Christine Duhaime, MD, FAANS

Richard G. Ellenbogen, MD, FAANS

9:43–9:59 a.m.

2015 Franc D. Ingraham Award for Distinguished Service and Achievement

Introduced By

Ian F. Pollack, MD, FAANS

Recipient

A. Leland Albright, MD, FAANS(L)

10–10:30 a.m.

Special Break in the Exhibit Hall Honoring Dr. Albright

Location: Grand Ballroom ABC

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

11–11:08 a.m.

- ★37. Trocar Assisted Versus Laparotomy in Placement of Peritoneal Catheters: A Single Institution Case Control Study

William Lee Titsworth, MD

11:09–11:17 a.m.

38. Deferoxamine Reduces Hemoglobin-Induced Neuronal Cell Death in the Hippocampus after Intraventricular Hemorrhage

Thomas Paul Garton

11:18–11:26 a.m.

39. DTI of the Deep Gray Matter in Congenital Hydrocephalus

Dustin K. Ragan



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 Lumbosacral Lipomas

Albert Tu, MD

12:03–1:03 p.m.

Lunch in the Exhibit Hall

Location: Grand Ballroom ABC

1:04–1:09 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

1:10–1:15 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

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 Craniectomy with Helmets 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 Intra- or 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)

4:46–5 p.m.

Annual Business Meeting

5:01–5:15 p.m.

AAP/SONS Business Meeting

Friday, Dec. 11

★ Signifies Award Candidate

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

7:15–10:30 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



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.

62. Radiographic Predictors of “Second-look Surgery” in Pediatric Intracranial Germ Cell Tumors
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



