

QUICK PLANNER



SETTING THE STAGE FOR COLLABORATION

DECEMBER 6-9, 2018

**OMNI NASHVILLE HOTEL
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AANS 360

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CNS

**47TH ANNUAL MEETING OF THE AANS/CNS SECTION ON
PEDIATRIC NEUROLOGICAL SURGERY**

PROGRAM AT A GLANCE

THURSDAY, DEC. 6		
Time	Event	Location
6:45 a.m.-8 p.m.	Registration	Fifth Avenue Pre-function; 2nd level
8 a.m.-4:30 p.m.	Advanced Practice Provider (APP) Seminar	Broadway Ballroom GH; 2nd level
12-4 p.m.	Pediatric Section Executive Committee Meeting	Cumberland 5 & 6; 3rd level
1-5 p.m.	Pediatric Neurosurgical Coding: Current Challenges, Practical Strategies	Cumberland 1; 3rd level
4-4:30 p.m.	Pediatric Section Education Committee Meeting	Cumberland 5 & 6; 3rd level
6-8 p.m.	Opening Reception	Country Music Hall of Fame (adjacent to the Omni Nashville Hotel)



PROGRAM AT A GLANCE

FRIDAY, DEC. 7		
Time	Event	Location
6 a.m.-5 p.m.	Registration	Fifth Avenue Pre-function; 2nd level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Neuro Zone: Meet the Leadership</i>	Broadway Ballroom East
7:15 a.m.-4 p.m.	Exhibit Hall Open	Broadway Ballroom East
8:01-9:53 a.m.	Scientific Session I: Craniosynostosis/Developmental	Broadway Ballroom West
9:54-10:24 a.m.	Beverage Break in the Exhibit Hall	Broadway Ballroom East
10:25-11:44 a.m.	Scientific Session II: Hydrocephalus I <i>Raimondi Lecture—Jon Meacham</i>	Broadway Ballroom West
11:45 a.m.-12:45 p.m.	Lunch in the Exhibit Hall	Broadway Ballroom East
12:46-2:59 p.m.	Scientific Session III: Oncology I <i>Symposium I: Collaborative Research</i>	Broadway Ballroom West
3-3:30 p.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Conversation with Drs. Brockmeyer, Kestle, Leonard and Limbrick</i>	Broadway Ballroom East
3:31-4:24 p.m.	Scientific Session IV: Trauma/ Critical Care	Broadway Ballroom West
4:25-4:40 p.m.	Pediatric Section Annual Business Meeting	Broadway Ballroom West
4:41-4:56 p.m.	AAP Section on Neurological Surgery (SONS) Business Meeting	Broadway Ballroom West

Note: Time and location subject to change

PROGRAM AT A GLANCE

SATURDAY, DEC. 8		
Time	Event	Location
6 a.m.-5 p.m.	Registration	Fifth Avenue Pre-function; 2nd level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall	Broadway Ballroom East
7:15 a.m.–5:30 p.m.	Exhibit Hall Open	Broadway Ballroom East
8:01-9:45 a.m.	Scientific Session V: Functional I <i>Symposium II: Global Pediatric Neurosurgery: Opportunities for Involvement</i>	Broadway Ballroom West
9:46-10:16 a.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Conversation with Drs. Dewan, Harkness, Johnston and Warf</i>	Broadway Ballroom East
10:17 a.m.-12:10 p.m.	Scientific Session VI: Spine/ Socioeconomic <i>AAP/SONS Lecture—Dr. Allen Sills</i>	Broadway Ballroom West
12:11-1:11 p.m.	Lunch in the Exhibit Hall <i>Neuro Zone: Conversation with Dr. Sills</i>	Broadway Ballroom East
1:12-2:44 p.m.	Scientific Session VII: Functional II <i>Chairman Address Poster Viewing</i>	Broadway Ballroom West
2:45-3:15 p.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: First Raffle Drawing</i>	Broadway Ballroom East
3:16-4:29 p.m.	Scientific Session VIII: Hydrocephalus II/Oncology II	Broadway Ballroom West
4:30-5:30 p.m.	Wine & Cheese Reception in the Exhibit Hall	Broadway Ballroom East

Note: Time and location subject to change

PROGRAM AT A GLANCE

SUNDAY, DEC. 9		
Time	Event	Location
6-11 a.m.	Registration	Fifth Avenue Pre-function; 2nd level
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall	Broadway Ballroom East
7:15-10:30 a.m.	Exhibit Hall Open	Broadway Ballroom East
8:01-9:39 a.m.	Scientific Session IX: Vascular <i>Symposium III: Social Media in Pediatric Neurosurgery: Is it Useful?</i>	Broadway Ballroom West
9:40-10:10 a.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Conversation with Drs. Adelson, Alotaibi and Omary 2nd Raffle Drawing</i>	Broadway Ballroom East
10-11:30 a.m.	Scientific Session X: Miscellaneous <i>Awards Announced</i>	Broadway Ballroom West

Note: Time and location subject to change

Joint Providership Accreditation Statement: This activity has been planned and implemented in accordance with the accreditation requirements and policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint providership of the AANS and the AANS/ CNS Section on Pediatric Neurological Surgery. The AANS is accredited by the ACCME to provide continuing medical education for physicians.

Designation Statement

Continuing Medical Education Credits

This activity has been approved for *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Nursing Contact Hours

This continuing nursing education activity was approved by the Ohio Nurses Association (OBN-001-91), an accredited approver by the American Nurses Credentialing Center's Commission on Accreditation.

CEU Credits

This program has the prior approval of AAPC for up to 4 continuing education hours. Granting prior approval in no way constitutes endorsement by AAPC of the program content or the program sponsor. The AAPC approval index number for the Pediatric Neurosurgical Coding: Current Challenges, Practical Strategies is valid to October 31, 2019.

Disclosure Statement: Before the program, anyone in control of the educational content of this activity will disclose the existence of any financial interest and/or the relationship they or their significant other have with the manufacturer(s) of any commercial product(s) to be discussed during their presentation. Disclosures will be included in the meeting app, accessible at 360.aans.org.

CONFERENCE INFORMATION

Opening Reception

The Opening Reception will be held at the legendary Country Music Hall of Fame, adjacent to the Omni Nashville Hotel. Attendees will be treated to live music by local band Brother and The Hayes. While networking with colleagues, enjoy museum exhibits depicting the evolving history, enduring beauty, cultural importance and traditions of country music. All registered attendees and guests receive one complimentary ticket to this event.



Meeting App

Find an interactive meeting schedule, attendee and speaker listings, exhibitor map, poster abstracts and more within the AANS 360 app. Visit 360.aans.org to get started.

Join the Conversation in the Neuro Zone

Residents and medical students are invited to meet with leadership on Friday morning during breakfast in the exhibit hall. This casual forum provides an opportunity to introduce young trainees to senior members of the organization. This interaction allows future pediatric neurosurgeons to learn more about pediatric neurosurgery, both the professional and personal aspects. Key speakers will be available for additional dialogue following their talks. Check the program schedule for details.

Raffle Drawings

NEW FOR 2018! Receive one raffle ticket for each exhibit booth visited in the exhibit hall and enter for a chance to win a \$250 Amazon gift card (two prizes awarded) or a \$500 Amazon gift card (one prize awarded). Winners must be present at the time of the drawing. The raffle drawings will be held during the Saturday afternoon beverage break and the Sunday morning beverage break.

Abstracts and Poster Presentations

Poster presenters will be available to answer questions on Saturday, immediately following the Chairman Address. View posters and visit with presenters in the back of the general session room. Posters will be available for viewing throughout the meeting.



Photography and Capture

By registering/attending this 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.

ADVANCED PRACTICE PROVIDER SEMINAR

THURSDAY, DEC. 6

(ticket required)

6:45 a.m.–8 p.m.

Registration Desk

Location: Fifth Avenue Pre-function;
2nd level

7 a.m.–6 p.m.

Speaker Ready Room

Location: Mockingbird 1; 3rd level

8–8:05 a.m.

Welcome & Introductions

Location: Broadway Ballroom
Salon GH; 2nd level
E. Haley Vance, DNP, APRN, CPNP-AC

8:06–8:36 a.m.

Advanced Practice Health & Well-being Update

Marilyn Dubree, MSN, RN, NE-BC

8:37–9:07 a.m.

Spine: Congenital vs. Traumatic

*Christopher Michael Bonfield, MD,
FAANS*

9:08–9:38 a.m.

Advances in Epilepsy Treatment: Laser Ablation, Stereo EEG

Carrie Rebecca Muh, MD, FAANS

9:39–10:09 a.m.

Open vs. Endoscopic Craniofacial; Outcomes Syndromic Patients; Indications for Surgery vs. Observation

Mandeep Singh Tamber, MD, PhD, FAANS

10:10–10:30 a.m.

Beverage Break

10:31–11:01 a.m.

Neuroimaging: Normal Variant vs. Abnormality Brain and Spine

Sumit Pruthi, MD

11:02–11:29 a.m.

Hydrocephalus: ETV vs. Shunt

Jay K. Riva-Cambrin, MD, MSc, FAANS

11:30–11:59 a.m.

Brain Tumors/Endocrine Abnormalities

*Todd Cameron Hankinson, MD,
MBA, FAANS*



ADVANCED PRACTICE PROVIDER SEMINAR

12–12:59 p.m.

Lunch and Networking

Location: Grand View Terrace; 2nd level

1:00–1:59 p.m.

Panel Discussion: Spina Bifida/ Symptomatic Tethered Cord

Moderator

E. Haley Vance, DNP, APRN, CPNP-AC

Panelists

Megan Johnson, MD

Stacy Tanaka, MD, MS

John C. Wellons III, MD, FAANS

2–2:14 p.m.

Beverage Break

2:15–4:30 p.m.

Track 1: Hands-on Stations

Location: Cumberland 3; 3rd level

- Placement & Troubleshooting of EVDs
- Placement & Troubleshooting of ICP Monitors
- Baclofen Pumps Reprogram/Refill
- Shunts Reprogram

*Supported by educational grants from
Medtronic and Sophysa USA Inc.*

*In-kind equipment supported by
Medtronic, Natus Neuro Incorporated
and Sophysa USA Inc.*

2:15–4:30 p.m.

Track 2: Lecture Series

Location: Broadway Ballroom GH;
2nd level

2:15–2:45 p.m.

Chiari: Bone Only vs. Duraplasty

*David Delmar Limbrick Jr., MD, PhD,
FAANS*

2:46–3:16 p.m.

Cerebrovascular Disease and Treatments: Indications for Open Surgery vs. Endovascular Treatment vs. SRS

Edward Robert Smith, MD, FAANS

Jennifer Klein, FNP

3:17–3:47 p.m.

Spasticity

Robert Partlow Naftel, MD, FAANS

3:48–4:30 p.m.

Advanced Practice Provider Research, Collaboration and Project Ideas Panel

Moderator

Chevis Shannon, MBA, MPH, DrPH

Panelists

Allie Mains, APRN

*Julie Miller, PhD, MSN, APRN, FNP-C,
CPNP-AC*



ANNUAL MEETING PROGRAM SCHEDULE

THURSDAY, DEC. 6

6:45 a.m.–8 p.m.

Registration Desk

Location: Fifth Avenue Pre-function;
2nd level

7 a.m.–6 p.m.

Speaker Ready Room

Location: Mockingbird 1; 3rd level

11:30 a.m.–12:30 p.m.

Executive Committee Lunch

Location: Cumberland 5 & 6; 3rd level

12–4 p.m.

Executive Committee Meeting

Location: Cumberland 5 & 6; 3rd level

1–5 p.m. (ticket required)

Pediatric Neurosurgical Coding:

Current Challenges, Practical Strategies

Location: Cumberland I; 3rd level

Director

Curtis J. Rozzelle, MD, FAANS

Faculty

Laurie Lynn Ackerman, MD, FAANS

Christopher Michael Bonfield, MD, FAANS

Lance Shane Governale, MD, FAANS

David Houston Harter, MD, FAANS

Catherine Anne Mazzola, MD, FAANS

4–4:30 p.m.

Education Committee

Location: Cumberland 5 & 6; 3rd level

6–8 p.m. (ticket required)

Opening Reception

Location: Country Music Hall of Fame
Enjoy music by Brother and The Hayes
and tour the museum.

*Supported by First Tennessee Bank
and Medtronic*

FRIDAY, DEC. 7

6 a.m.–5 p.m.

Registration Desk

Location: Fifth Avenue Pre-function;
2nd level

7 a.m.–4 p.m.

Speaker Ready Room

Location: Mockingbird 1; 3rd level

7:15–8 a.m.

Continental Breakfast in the Exhibit Hall

*Neuro Zone: Residents and Medical
Students Meet the Leadership*

Location: Broadway Ballroom East;
2nd level

8:01–9:53 a.m.

Scientific Session I:

Craniosynostosis/Developmental

Location: Broadway Ballroom West;
2nd level

Moderators

Andrew B. Foy, MD, FAANS

Sandi K. Lam, MD, FAANS

8:01–8:05 a.m.

Welcome and Opening Remarks

Section Chair

Mark R. Proctor, MD, FAANS

2018 Annual Meeting

Program Committee

Christopher Michael Bonfield, MD, FAANS

Robert Partlow Naftel, MD, FAANS

Chevis Shannon, MBA, MPH, DrPH

E. Haley Vance, DNP, APRN, CPNP-AC

John C. Wellons III, MD, FAANS

ANNUAL MEETING PROGRAM SCHEDULE

8:06–8:08 a.m.

**Collaborative Research Proposal:
Autograft or Synthetic: A Randomized
Controlled Trial for Pediatric
Cranioplasty**

Brandon G. Rocque, MD, MS, FAANS

GROUP 1

8:09–8:15 a.m.

- ★ **1. Socioeconomic and Demographic Factors in the Diagnosis and Treatment of Chiari I Malformation and Syringomyelia: A Study Using the Park-Reeves Syringomyelia Research Consortium Database**
Syed Hassan Akbari, MD

8:16–8:22 a.m.

- ★ **2. A retrospective multicenter study of surgical site infection following complex tethered cord surgery: Is current antibiotic prophylaxis adequate?**
Nikita Alexiades, MD

8:23–8:29 a.m.

- ★ **3. Normal Morphometric Changes at the Craniocervical Junction Throughout Childhood**
Amy Katherine Bruzek, MD

8:30–8:36 a.m.

4. Creation of a Predictive Model of Post-operative Hydrocephalus in Patients with Chiari-I Malformation and Syringomyelia Undergoing Posterior Fossa Decompression: A Study from the Park-Reeves Research Consortium
Andrew Hale

8:37–8:43 a.m.

Group 1 Discussion

GROUP 2

8:44–8:50 a.m.

5. Virtual surgical planning in cranosynostosis: When is preoperative modeling cost-effective?
Christine Jones, MD

8:51–8:57 a.m.

6. Combining Preoperative Erythropoietin and Intraoperative Tranexamic Acid Reduces Transfusions and Length of Stay in Sagittal Cranosynostosis Surgery
Paul Joseph Escher

8:58 a.m.–9:04 a.m.

7. The Economic Impact of Open vs. Endoscopic-Assisted Cranosynostosis Repair
Campbell Liles

9:05–9:11 a.m.

8. Large Single Institution Series of Endoscopically Treated Infants with Cranosynostosis
Coleman Riordan

9:12–9:18 a.m.

Group 2 Discussion

GROUP 3

9:19–9:25 a.m.

- ★ **9. Comparison of follow-up length matched spina bifida post-natal cohort to the MOMs trial: Are the gains durable?**
Michael M. McDowell, MD

ANNUAL MEETING PROGRAM SCHEDULE

9:26–9:32 a.m.

- ★ **10. Is Fetal Ventricular Size Predictive of Developing Hydrocephalus After Prenatal Repair of Myelomeningocele?**

Laura Prolo, MD, PhD

9:33–9:39 a.m.

- ★ **11. Thirty Day, 90 Day, and 1 Year Pediatric Readmission Rates Following Fetal vs Neonatal Myelomeningocele Repair**

Michael Cools, MD

9:40–9:46 a.m.

- ★ **12. Multi-Layer Fetoscopic Repair of Open Neural Tube Defects: Early Perinatal Outcomes**

Vijay Mysore Ravindra, MD

9:47–9:53 a.m.

Group 3 Discussion

9:54–10:24 a.m.

Beverage Break in the Exhibit Hall

Location: Broadway Ballroom East;
2nd level

10:25–11:44 a.m.

Scientific Session II: Hydrocephalus I

Location: Broadway Ballroom West;
Omni Nashville

Moderators

Eric M. Jackson, MD, FAANS
Jonathan A. Pindrik, MD

10:25–10:27 a.m.

**Collaborative Research Proposal:
ETV+CPC versus Shunts for Infant
Hydrocephalus: A Comparison of
the Caregivers' Attitudes of their
Children's Outcomes**

Jay K. Riva-Cambrin, MD, MSc, FAANS

GROUP 4

10:28–10:34 a.m.

13. Predictors of ETV Ostomy Status in Patients Who Fail ETV/CPC

Amanda Stanton

10:35–10:41 a.m.

- ★ **14. The Utility of Endoscopic Third Ventriculostomy and Choroid Plexus Cauterization for the treatment of pediatric hydrocephalus in Haiti**

John Ragheb, MD, FAANS

10:42–10:48 a.m.

- ★ **15. Shunt to Endoscopic 3rd Ventriculostomy Conversion—A Multicenter Experience**

Pooja Dave

10:49–10:55 a.m.

16. ETV After Initial ETV+CPC Failure: a Hydrocephalus Clinical Research Network Registry Review

Curtis J. Rozzelle, MD, FAANS

10:56–11:02 a.m.

Group 4 Discussion

11:03 a.m.–11:44 a.m.

Raimondi Lecture: The Art of Leadership: Reflections from the American Presidency

Jon Meacham

11:45 a.m.–12:45 p.m.

Lunch in the Exhibit Hall

Location: Broadway Ballroom East;
2nd level

ANNUAL MEETING PROGRAM SCHEDULE

12:46–2:59 p.m.

Scientific Session III: Oncology I

Location: Broadway Ballroom West;
2nd level

Moderators

David John Daniels, MD, PhD
Eric M. Thompson, MD, FAANS

12:46–12:48 p.m.

**Collaborative Research Proposal:
In vivo Imaging Models of DIPG
Molecular Signatures and Response to
Therapy**

Umberto Tosi

GROUP 5

12:49–12:55 p.m.

- ★ **17. Poliovirus receptor (CD155) expression in pediatric brain tumors mediates oncolysis of medulloblastoma and pleomorphic xanthoastrocytoma**

Eric M. Thompson, MD, FAANS

12:56–1:02 p.m.

- ★ **18. Technical Feasibility and Safety of Repeated Infusions with Convection Enhanced Delivery for Diffuse Intrinsic Pontine Glioma**

Peter F. Morgenstern, MD

1:03–1:09 p.m.

- ★ **19. Hypothalamic Obesity as a Long-term Outcome of Pediatric Craniopharyngioma: New Predictive Score**

Mohammed Fouda, MD

1:10–1:16 p.m.

20. Diffusion MRI: Novel Application in Post-Hemorrhagic Hydrocephalus of Prematurity and Cross-Validation with CSF Biomarkers

Diego Martin Morales

1:17–1:23 p.m.

Group 5 Discussion

GROUP 6

1:24–1:30 p.m.

- ★ **21. Non-invasive Prediction of Molecular Subtypes in Medulloblastoma: Development of MRI-based Imaging Signatures**

Jennifer Lauren Quon, MD

1:31–1:37 p.m.

- ★ **22. Supratentorial Pediatric High-Grade Gliomas Involved with the Subventricular Neural Stem Cell Niche Are Associated with Decreased Survival: A Multi-Institutional Retrospective Study**

Akshitkumar Maheshbhai Mistry, MD

1:38–1:44 p.m.

- ★ **23. Magnetic Resonance-guided Stereotactic Laser Ablation Therapy for the Treatment of Pediatric Brain Tumors: A Multi-Institutional Retrospective Study**

Elsa Arocho-Quinones, MD

1:45–1:51 p.m.

24. Increased Naïve B-cell Infiltrate in SHH subgroup of Medulloblastoma with PTCH1 Mutation

Winson Ho, MD

ANNUAL MEETING PROGRAM SCHEDULE

1:52–1:58 p.m.

Group 6 Discussion

1:59–2:59 p.m.

Symposium 1:

Collaborative Research

Moderator

David Delmar Limbrick Jr., MD, PhD, FAANS

Panelists

Douglas L. Brockmeyer, MD, FAANS

John R. W. Kestle, MD, FAANS

Jeffrey R. Leonard, MD, FAANS

3–3:30 p.m.

Beverage Break in the Exhibit Hall

Neuro Zone: Conversation with Drs. Brockmeyer, Kestle, Leonard and Limbrick

Location: Broadway Ballroom East;
2nd level

3:31–4:24 p.m.

**Scientific Session IV: Trauma/
Critical Care**

Location: Broadway Ballroom West;
2nd level

Moderators

Jonathan E. Martin, MD, FAANS

Jennifer Strahle, MD

Section Research Grants

3:31–3:37 p.m.

**Selective Vulnerability of Unmyelinated
Axon Segments Following Diffuse
Traumatic Brain Injury**

Brian Joseph Kelley, MD, PhD

3:38–3:44 p.m.

**The Blood Tumor Barrier in Pediatric
Primary Malignant Brain Tumors**

Annie Drapeau, MD

GROUP 7

3:45–3:51 p.m.

- ★ **25. Outcomes in Pediatric Patients with Blunt Head Trauma and a Glasgow Coma Scale Score of 3 at Presentation**
Duncan Trimble

3:52–3:58 p.m.

- 26. Concussion Recovery Differences in Children Injured During the School Year vs. Summer Months**
Joseph A. Petronio, MD

3:59–4:05 p.m.

- ★ **27. Malignant Cerebellar Edema Syndrome in Toddlers With Following Exposure/Ingestion of Prescription Opioids**
Laurie Lynn Ackerman, MD, FAANS

4:06–4:12 p.m.

- 28. Improved Outcomes for Pediatric Traumatic Intracranial Hemorrhage Patients at High-Volume Hospitals**
Oliver Tang

4:13–4:19 p.m.

Group 7 Discussion

4:20–4:24 p.m.

**Announcement—
Pediatric Guidelines Committee**
David F. Bauer, MD, FAANS

4:25–4:40 p.m.

AANS/CNS Section on Pediatric Neurological Surgery Annual Business Meeting

4:41–4:56 p.m.

AAP/SONS Business Meeting

★ Signifies Award Candidate

ANNUAL MEETING PROGRAM SCHEDULE

SATURDAY, DEC. 8

6 a.m.–5 p.m.

Registration Desk

Location: Fifth Avenue Pre-function;
2nd level

7 a.m.–4 p.m.

Speaker Ready Room

Location: Mockingbird 1; 3rd level

7:15–8 a.m.

Continental Breakfast in the Exhibit Hall

Location: Broadway Ballroom East;
2nd level

8:01–9:45 a.m.

Scientific Session V: Functional I

Location: Broadway Ballroom West;
2nd level

Moderators

Joshua J. Chern, MD, PhD, FAANS
Caitlin Elizabeth Hoffman, MD

8:01–8:06 a.m.

2019 Scottsdale Preview

P. David Adelson, MD, FAANS

8:07–8:09 a.m.

**Collaborative Research Proposal:
Neural Network Organization In Focal
Cortical Dysplasia Epilepsy**

Raheel Ahmed, MD

GROUP 8

★ **8:10–8:16 a.m.**

**29. Seizure Outcomes Following
Resective Epilepsy Surgery in Tuberous
Sclerosis Patients: A Comparison
Between TSC1 and TSC2 Gene Mutations**

Omeed Modiri

8:17–8:23 a.m.

★ **30. Brain Structural Connectivity
Predicts Seizure Response to Vagus
Nerve Stimulation**
Karim Mithani

8:24–8:30 a.m.

★ **31. Evaluation of Extreme Gradient
Boosting Tree Classification of Epilepsy
with Resting State MRI Latency Features**
Ryan Dinh Nguyen

8:31–8:37 a.m.

★ **32. Surgical Management of Pediatric
Patients with Encephalopathy Related to
Electrical Status Epilepticus During
Sleep (ESES)—an Institutional Case Series**
Shelly Wang, MD

8:38–8:44 a.m.

Group 8 Discussion

8:45–9:45 a.m.

**Symposium II: Global Pediatric
Neurosurgery: Opportunities for
Involvement**

Moderator

James M. Johnston Jr., MD, FAANS

Panelists

Michael Dewan, MD, MSCI
William Harkness, MD
Benjamin C. Warf, MD

9:46–10:16 a.m.

Beverage Break in the Exhibit Hall

*Neuro Zone: Conversation with Drs.
Dewan, Harkness, Johnston and Warf*

Location: Broadway Ballroom East;
2nd level

ANNUAL MEETING PROGRAM SCHEDULE

10:17 a.m.–12:10 p.m.

Scientific Session VI: Spine/

Socioeconomic

Location: Broadway Ballroom West;
2nd level

Moderators

Mari Louise Groves, MD

Todd Cameron Hankinson, MD,
MBA, FAANS

GROUP 9

10:17–10:23 a.m.

33. Assessment of craniocervical junction motion on plain cervical spine flexion-extension radiographs in patients with Down Syndrome: a pilot study comparing two measurement techniques

Jonathan E. Martin, MD, FAANS

10:24–10:30 a.m.

34. Pediatric Occipital Condyle Morphometric Analysis Using Computed Tomography with Evaluation for Occipital Condyle Screw Placement

Khoi Nguyen, MD

10:31–10:37 a.m.

35. Epidemiology of Pediatric Cervical Spine Injury Following Blunt Trauma

Jeffrey R. Leonard, MD, FAANS

10:38 a.m.–10:44 a.m.

36. Spinal column shortening for secondary tethered cord syndrome in the pediatric age group

Katrina Alise Ducis, MD

10:45–10:51 a.m.

Group 9 Discussion

GROUP 10

10:52–10:58 a.m.

37. Pediatric Neurosurgical Education During Residency Training: A Survey of US Training Programs

Natalie Limoges, DO

10:59–11:05 a.m.

★ **38. Capacity building for the surgical treatment of pediatric epilepsy in Vietnam: A model for international collaboration**

Faizal Haji, MD, PhD

11:06–11:12 a.m.

★ **39. Variation in Hospital Charges in Patients with External Ventricular Drains: Comparison between Intensive Care and Surgical Floor**

Abdullah H. Feroze, MD

11:13–11:19 a.m.

40. A contemporary ranking of pediatric neurosurgery fellowship programs by post-fellowship publishing productivity

Paul Klimo Jr., MD, FAANS

11:20–11:26 a.m.

Group 10 Discussion

11:27 a.m.–12:10 p.m.

AAP/SONS Lecture: Is There a Future for Football?

Allen Kent Sills, MD, FAANS

12:11–1:11 p.m.

Lunch in the Exhibit Hall

Neuro Zone: Conversation with Dr. Sills

Location: Broadway Ballroom East;
2nd level

★ Signifies Award Candidate

ANNUAL MEETING PROGRAM SCHEDULE

1:12–2:44 p.m.

Scientific Session VII: Functional II

Location: Broadway Ballroom West;
2nd level

Moderators

Gregory W. Albert, MD, FAANS

Elizabeth C. Tyler-Kabara, MD, PhD, FAANS

1:12–1:15 p.m.

Special Announcement

Marion (Jack) L. Walker, MD, FAANS(L)

CHAIRMAN ADDRESS

1:16–1:18 p.m.

Introduction

Edward Robert Smith, MD, FAANS

1:19–1:35 p.m.

Mark R. Proctor, MD, FAANS

Section Chair

1:36–2:05 p.m.

Poster Viewing

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

2:06 p.m.

Poster Winners Announced

2:07–2:09 p.m.

Collaborative Research Proposal: Mild Traumatic Brain Injury and Intracranial Injury: a Platform for Collaborative Traumatic Brain Injury Research

Jacob Kalman Greenberg, MD

GROUP 11

2:10–2:16 p.m.

- ★ **41. Corpus Callosotomy Performed with Laser Interstitial Thermal Therapy—An Initial Experience**

Jarod Roland, MD

2:17–2:23 p.m.

- ★ **42. Developing a de novo Stereotactic Electroencephalography (SEEG) Program: A Multi-institutional Pediatric Experience**

Jacob Richard Lepard, MD

2:24–2:30 p.m.

- ★ **43. Post-operative Outcomes Following Pediatric Intracranial Electrode Monitoring: a Case for Stereoelectroencephalography (SEEG)**
Lily H. Kim

2:31–2:37 p.m.

- ★ **44. Limitations and Work-Arounds for Common Issues in Stereotactic Electroencephalography (sEEG) Management**

Hannah Goldstein, MD

2:38–2:44 p.m.

Group 11 Discussion

2:45–3:15 p.m.

Beverage Break in the Exhibit Hall

Neuro Zone: First Raffle Prize Drawing

Location: Broadway Ballroom East;
2nd level

3:16–4:30 p.m.

Scientific Session VIII:

Hydrocephalus II/Oncology II

Location: Broadway Ballroom West;
2nd level

Moderators

Scott W. Elton, MD, FAANS

Christina Marie Notarianni, MD, FAANS

ANNUAL MEETING PROGRAM SCHEDULE

3:16–3:18 p.m.

**Collaborative Research Proposal:
Identifying Predictors for
Unchanged Ventricular Size during
Ventriculoperitoneal Shunt Malfunction**
Rebecca Anne Reynolds, MD

GROUP 12

3:19–3:25 p.m.

**45. Temporal Trends in Surgical
Procedures for Pediatric
Hydrocephalus – An Analysis of the
HCRN Core Data Project**
Mandeep Singh Tamber, MD, PhD, FAANS

3:26–3:32 p.m.

- ★ **46. 30 Years Single Institutional
Experience with Pediatric
Craniopharyngioma—A New
Algorithm for Management**
Mohammed Fouda, MD

3:33–3:39 p.m.

- ★ **47. Quality of Life of Children with
Hydrocephalus: A Comparison of Child
Self-Assessment and Caregiver Proxy**
Kathrin Zimmerman

3:40–3:46 p.m.

**48. Correlations between Brain
Elastance, Headaches and Ventricular
Size using Magnetic Resonance
Elastography**
James (Pat) Patterson McAllister II, PhD

3:47–3:53 p.m.

Group 12 Discussion

★ *Signifies Award Candidate*



ANNUAL MEETING PROGRAM SCHEDULE

GROUP 13

3:54–4 p.m.

49. Acute Inflammation and Oxidative Stress in a Rat Model of Neonatal Intraventricular Hemorrhage
Brandon Andrew Miller, MD

4:01–4:07 p.m.

★ **50. Increased Mean Diffusivity in the Olive is Predictive of Posterior Fossa Syndrome**
Derek Yecies, MD

4:08–4:14 p.m.

★ **51. Quantification of white matter injury in hydrocephalus using fast brain MRI mean diffusivity tensors**
Albert Isaacs, MD

4:15–4:21 p.m.

52. Tumors of the Cerebello-medullary Angle: Anatomical Classification and Retrospective Analysis of 60 Pediatric Patients
Mary Virginia Portera

4:22–4:28 p.m.

Group 13 Discussion

4:29 p.m.

Announcement

4:30–5:30 p.m. (ticket required)

Wine & Cheese Reception in the Exhibit Hall

Location: Broadway Ballroom East; 2nd level

Supported by Codman Specialty Surgical, a Division of Integra LifeSciences

SUNDAY, DEC. 9

6–11 a.m.

Registration Desk

Location: Fifth Avenue Pre-function; 2nd level

7–11 a.m.

Speaker Ready Room

Location: Mockingbird 1; 3rd level

7:15–8 a.m.

Continental Breakfast in the Exhibit Hall

Location: Broadway Ballroom East; 2nd level

8:01–9:39 a.m.

Scientific Session IX: Vascular

Location: Broadway Ballroom West; 2nd level

Moderators

Edward S. Ahn, MD, FAANS
Stephanie Greene, MD, FAANS

8:01–8:03 a.m.

Collaborative Research Proposal:

Cerebral Revascularization in Sickle

Cell Disease with Moyamoya Syndrome

Philipp R. Aldana, MD, FAANS

GROUP 14

8:04–8:10 a.m.

53. Results of Twenty-Year or Greater Follow-Up in Pediatric Patients with Moyamoya Disease After Pial Syngangiosis.

Coleman Riordan

ANNUAL MEETING PROGRAM SCHEDULE

8:11 a.m.–8:17 a.m.

- ★ **54. Long Term Outcomes of Pediatric Arteriovenous-Malformations: The 30-Year Pittsburgh Experience**
Michael M. McDowell, MD

8:18–8:24 a.m.

- ★ **55. Surgical Revascularization Versus Conservative Management in Children with Moya-Moya Syndrome: A North American Cohort Study**
Lior Elkaim

8:25–8:31 a.m.

- ★ **56. Surgical Revascularization in Children with Sickle Cell Disease and Moyamoya Syndrome**
Matthew Kruchten

8:32–8:38 a.m.

Group 14 Discussion

8:39–9:39 a.m.

Symposium III: Social Media in Pediatric Neurosurgery: Is it Useful?

Moderator

John C. Wellons III, MD, FAANS

Panelists

P. David Adelson, MD, FAANS

Naif M. Alotaibi, MD

Reed A. Omary, MD, MS

9:40–10:10 a.m.

Beverage Break in the Exhibit Hall

Neuro Zone: Conversation with Drs. Alotaibi, Adelson, Omary and Wellons; and Second Raffle Prize Drawing

Location: Broadway Ballroom East; 2nd level

10:11–11:30 a.m.

Scientific Session X: Miscellaneous

Location: Broadway Ballroom West; 2nd level

Moderators

Sarah C. Jernigan, MD, FAANS

Luke Tomycz, MD

10:11–10:13 a.m.

Collaborative Research Proposal: Multi-institutional Stereotactic Electroencephalography (SEEG) Database

Jacob Richard Lepard, MD

GROUP 15

- ★ **57. Short-term seizure outcomes in pediatric patients with focal drug-resistant epilepsy undergoing MRI-guided laser interstitial thermal therapy**
George Yang, MD

10:21–10:27 a.m.

- ★ **58. Inter-rater Reliability of the Imaging Parameters Defined by the Common Data Elements for Chiari I Malformation**
Esther B. Dupepe, MD, MSPH

10:28–10:34 a.m.

- ★ **59. Meta-Analysis of Spinal Deformities Following Selective Dorsal Rhizotomy**
Matthew Wheelwright

ANNUAL MEETING PROGRAM SCHEDULE

10:35–10:41 a.m.

- ★ **60. Cross-Sectional Evaluation of Transition Readiness in the Interdisciplinary Spina Bifida Clinic**

Elizabeth Naylor Kuhn, MD

10:42–10:48 a.m.

Group 15 Discussion

GROUP 16

10:49–10:55 a.m.

- ★ **61. Management of Chiari 1.5 with C1 Laminectomy and Tonsillar Coagulation**

Hannah Goldstein, MD

10:56–11:02 a.m.

- 62. VEGF as driver of moyamoya transdural vasculogenesis: Mechanistic and biomarker correlation**

Edward Robert Smith, MD, FAANS

11:03–11:09 a.m.

- 63. Neuronal and Synaptic Correlates of High Frequency Oscillations in Pediatric Epilepsy**

Simon Levinson

11:10–11:16 a.m.

- 64. Exome Sequencing Identifies Critical Genetic Determinants of Vein of Galen Malformation**

Ava M. Hunt

11:17–11:23 a.m.

Group 16 Discussion

11:24–11:30 a.m.

Announcement of Awards

Mark R. Proctor, MD, FAANS

11:30 a.m.

Closing Remarks

Mark R. Proctor, MD, FAANS

★ *Signifies Award Candidate*



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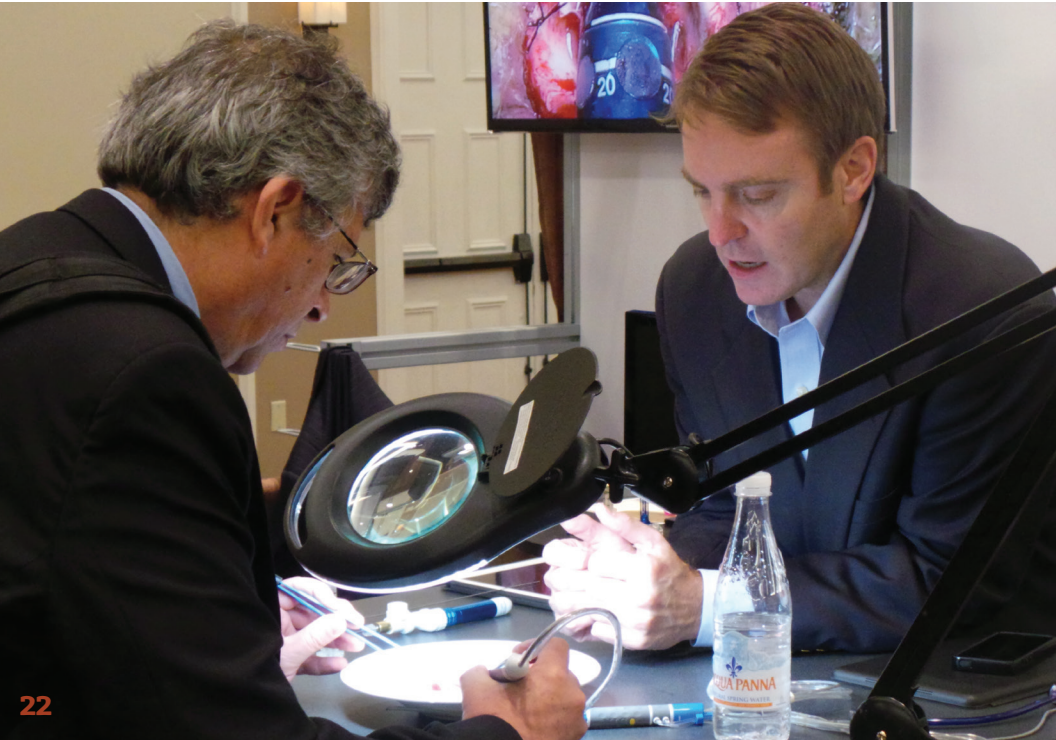
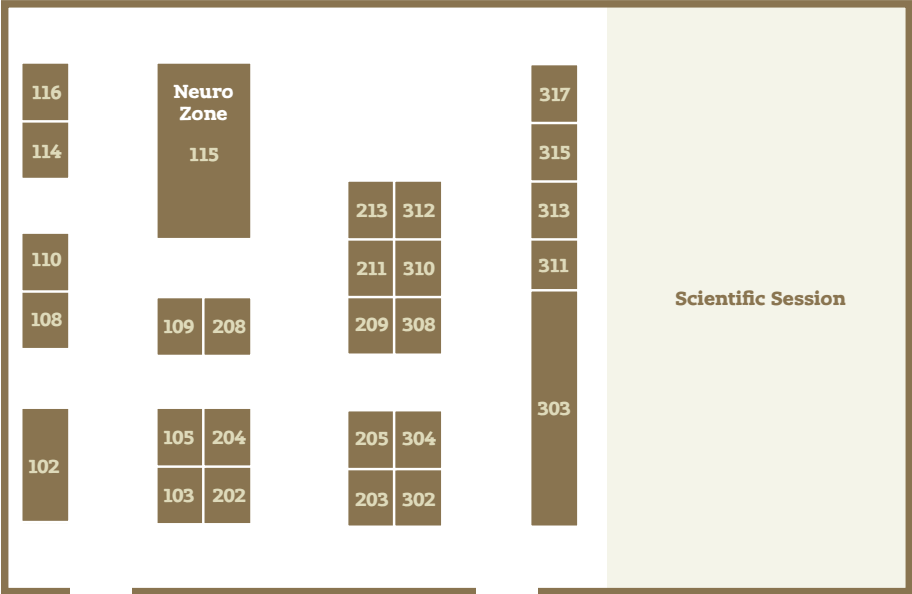
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