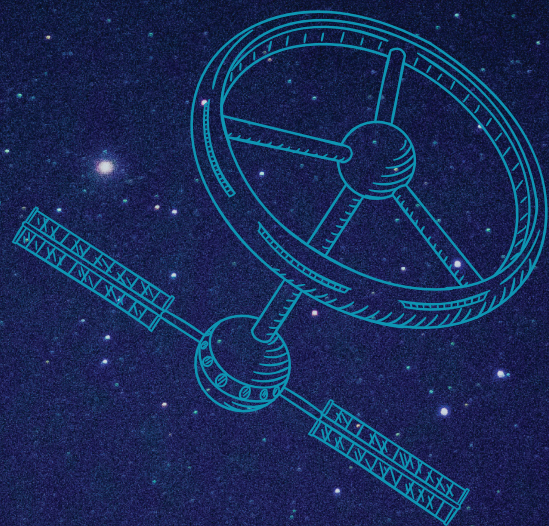


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A Dedicated Team of Surgeons



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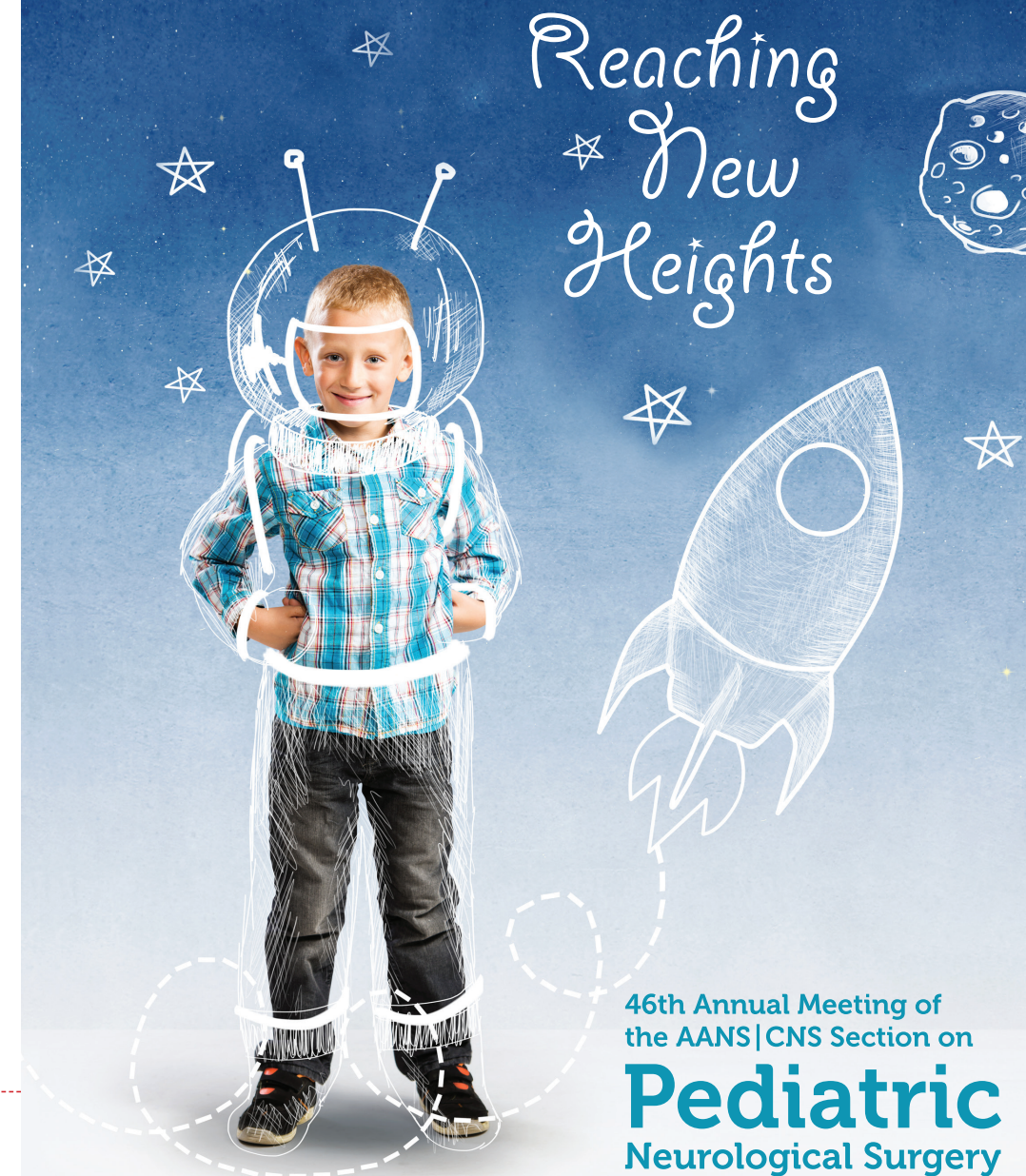
Michael DeCuyper, M.D.



Le Bonheur in Memphis is proud to be one of the top 20 pediatric neuroscience programs named by *U.S. News & World Report*.

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Reaching
New
Heights

46th Annual Meeting of
the AANS|CNS Section on
Pediatric
Neurological Surgery

Nov. 28–Dec. 1, 2017
Hilton Americas ★ Houston

[Quick Planner](#)

Program-At-A-Glance

Tuesday, Nov. 28

Time	Event	Location
6:45 a.m.-7 p.m.	Registration	Lanier Grand Ballroom Foyer
7 a.m.-6 p.m.	Speaker Ready Room	Meeting Room 342
7:50 a.m.-5:30 p.m.	Advanced Practice Provider (APP) Seminar and Networking Event	Lanier Grand Ballroom A&D
12-4 p.m.	Pediatric Section Executive Committee Meeting	Meeting Room 340
12:30-4:30 p.m.	Stereotactic Electrode Implantation and Laser Ablation for Epilepsy Pre-course	Meeting Room 335
4-4:30 p.m.	Pediatric Section Education Committee Meeting	Meeting Room 340
6-7:30 p.m.	Opening Reception	Lanier Grand Ballroom Foyer

Wednesday, Nov. 29

Time	Event	Location
6 a.m.-5 p.m.	Registration	Lanier Grand Ballroom Foyer
7 a.m.-4 p.m.	Speaker Ready Room	Meeting Room 342
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Neuro Zone: Residents and Medical Students Meet the Leadership</i>	Lanier Grand Ballroom G-L
7:15 a.m.-4 p.m.	Exhibit Hall Open	Lanier Grand Ballroom G-L
8:01-9:15 a.m.	Scientific Session I: Hydrocephalus Abstracts	Lanier Grand Ballroom A-F
9:16-9:59 a.m.	2017 Franc D. Ingraham Award for Distinguished Service and Achievement <i>Interview with W. Jerry Oakes, MD, FAANS(L)</i>	Lanier Grand Ballroom A-F
10-10:30 a.m.	Beverage Break in Exhibit Hall <i>Neuro Zone: Honoring W. Jerry Oakes, MD, FAANS(L)</i>	Lanier Grand Ballroom G-L
10:31-11:40 a.m.	Scientific Session II: Neoplasm Abstracts	Lanier Grand Ballroom A-F
11:41 a.m.-12:21 p.m.	Raimondi Lecture <i>Thomas H. Marshburn, MD</i>	Lanier Grand Ballroom A-F
12:22-1:22 p.m.	Lunch in the Exhibit Hall <i>Neuro Zone: Conversation with Dr. Marshburn</i>	Lanier Grand Ballroom G-L
1:23-2:32 p.m.	Scientific Session III: Trauma and Functional Abstracts	Lanier Grand Ballroom A-F
2:33-3:04 p.m.	Clinical Symposium I: Shunt Valves: Fixed Pressure vs. Programmable	Lanier Grand Ballroom A-F
3:05-3:35 p.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Conversation with Dr. Muhonen and Dr. Riva-Cambrin</i>	Lanier Grand Ballroom G-L
3:36-4:15 p.m.	Scientific Session IV: Functional Abstracts	Lanier Grand Ballroom A-F
4:16-4:30 p.m.	Pediatric Section Annual Business Meeting	Lanier Grand Ballroom A-F
4:31-4:45 p.m.	AAP/Section on Neurological Surgery (SONS) Business Meeting	Lanier Grand Ballroom A-F

Program-At-A-Glance

Thursday, Nov. 30

Time	Event	Location
6 a.m.-5 p.m.	Registration	Lanier Grand Ballroom A-F
7 a.m.-4 p.m.	Speaker Ready Room	Meeting Room 342
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Neuro Zone: Difficult Case Review</i>	Lanier Grand Ballroom G-L
7:15 a.m.-5:15 p.m.	Exhibit Hall Open	Lanier Grand Ballroom G-L
8:01-8:16 a.m.	2018 Nashville Preview; Section Research Grants	Lanier Grand Ballroom A-F
8:17-9:26 a.m.	Scientific Session V: Vascular and Trauma Abstracts	Lanier Grand Ballroom A-F
9:27-9:59 a.m.	Clinical Symposium II: Colloid Cyst Management	Lanier Grand Ballroom A-F
10-10:30 a.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Conversation with Dr. Day and Dr. Souweidane</i>	Lanier Grand Ballroom G-L
10:31-11:40 a.m.	Scientific Session VI: Hydrocephalus Abstracts	Lanier Grand Ballroom A-F
11:41 a.m.-12:14 p.m.	AAP/Section on Neurological Surgery (SONS) Lecture <i>Mark W. Kline, MD</i>	Lanier Grand Ballroom A-F
12:15-1:15 p.m.	Lunch in the Exhibit Hall <i>Neuro Zone: Conversation with Dr. Kline</i>	Lanier Grand Ballroom G-L
1:16-1:59 p.m.	Poster Viewing and Poster Winners Announced	Lanier Grand Ballroom A-F
2-3:09 p.m.	Scientific Session VII: Neoplasm and Technical Advances Abstracts	Lanier Grand Ballroom A-F
3:10-3:40 p.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: First Prize Drawing</i>	Lanier Grand Ballroom G-L
3:41-4:15 p.m.	Scientific Session VIII: Technical Advances Abstracts	Lanier Grand Ballroom A-F
4:15-5:15 p.m.	Wine & Cheese Reception in the Exhibit Hall	Lanier Grand Ballroom G-L

Friday, Dec. 1

Time	Event	Location
6-11 a.m.	Registration	Lanier Grand Ballroom Foyer
7-11 a.m.	Speaker Ready Room	Meeting Room 342
7:15-8 a.m.	Continental Breakfast in the Exhibit Hall <i>Neuro Zone: Ask The Experts</i>	Lanier Grand Ballroom G-L
7:15-10:30 a.m.	Exhibit Hall Open	Lanier Grand Ballroom G-L
8-9:10 a.m.	Scientific Session IX: Chiari and Miscellaneous Abstracts	Lanier Grand Ballroom A-F
9:11-9:44 a.m.	Clinical Symposium III: Management of Temporal Lobe Epilepsy	Lanier Grand Ballroom A-F
9:45-10:15 a.m.	Beverage Break in the Exhibit Hall <i>Neuro Zone: Second Prize Drawing</i>	Lanier Grand Ballroom G-L
10:16-11:25 a.m.	Scientific Session X: Spine and Spina Bifida Abstracts	Lanier Grand Ballroom A-F
11:26-11:30 a.m.	Hydrocephalus, Shulman and SONS Award Recipients Announced	Lanier Grand Ballroom A-F

Note: Time and location subject to change



Hurricane Relief Donations

As a show of respect and to aid the local community, meeting attendees will have the opportunity to make a donation to Easter Seals Greater Houston during the meeting. Individual section members have offered a matching gift of up to \$7,500. This means your donation to the Houston community will be doubled. Please stop by the Registration Desk or donate directly through the meeting app.



Join the Conversation

During breakfast on Wednesday, Thursday and Friday, visit the Neuro Zone in the exhibit hall. Discuss difficult cases and other issues influencing the pediatric field with senior neurosurgeons. Additionally, meet with key presenters following their lectures for further discussion. Do not miss these opportunities to hear from the experts and ask questions.

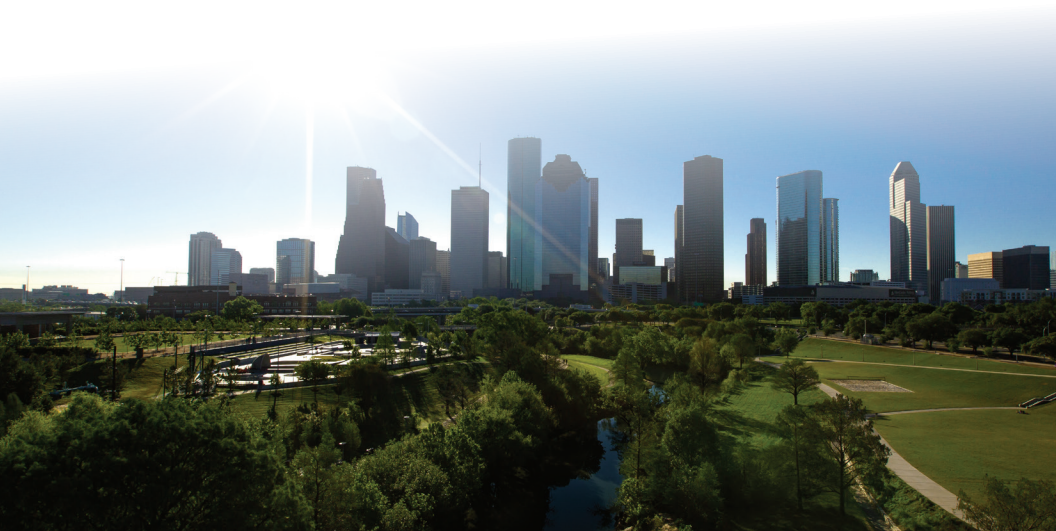


Poster Presentations

Poster presenters will be available at their assigned poster board to answer questions on Thursday, immediately following the lunch break from 1:16-1:55 p.m. View posters and visit with presenters in the back of the general session room. Posters will be on display throughout the meeting for attendees to view. Attendees can view all poster abstracts through the meeting app. *Please Note: All abstracts are published as submitted by their authors.*

Photography and Capture

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



Tuesday, Nov. 28 *(Ticket Required)*

6:45 a.m.-7 p.m.

Registration

Location: Lanier Grand Ballroom Foyer

7 a.m.-6 p.m.

Speaker Ready Room

Location: Meeting Room 342

7:50-7:59 a.m.

Welcome and Introductions

Location: Lanier Grand Ballroom A & D

David I. Sandberg, MD, FAANS

Howard L. Weiner, MD, FAANS

8 a.m.-8:30 a.m.

Trauma Pearls

Stephen A. Fletcher, DO

8:31-9:01 a.m.

Overview of Pediatric

Brain Tumors

David I. Sandberg, MD, FAANS

9:02-9:32 a.m.

Overview of Pediatric Epilepsy

Daniel J. Curry, MD, FAANS

9:33-9:53 a.m.

Pediatric Spine in Neurosurgery

Emilie Miesner, MS, PA-C

9:54-10:14 a.m.

Approaches to Spasticity

Amee Moreno, MSN, CPNP

10:15-10:35 a.m.

Beverage Break

10:36-10:56 a.m.

Radiological Approach to the Emergent Head CT

Lucia Ruggieri, PA-C

10:57-11:17 a.m.

Not Your Standard Shunt Talk

Jennifer Sabin, PA-C

11:18-11:38 a.m.

Nutrition in Neurosurgery Patients

Sarah L. Smith, PA-C

11:39-11:59 a.m.

Approaches to Craniosynostosis

Natalie Cormier, MSN, APRN, NP-C

12-12:15 p.m.

Transitioning Youth with Hydrocephalus to Adult Care — What Goes Wrong and How You Can Help

Marion L. Walker, MD, FAANS(L)

12:16-1 p.m.

Lunch and Networking

Location: Lanier Grand Ballroom A & D

1:01-1:45 p.m.

Abstracts

Location: Lanier Grand Ballroom A & D

1:01-1:07 p.m.

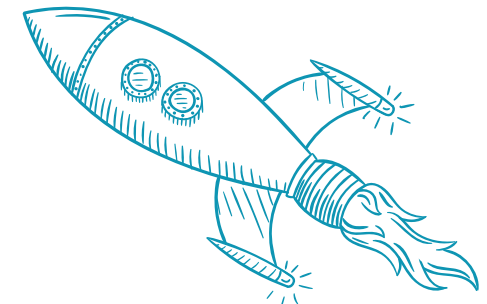
A retrospective analysis of the efficacy of post-op surveillance in detecting need for revision Ventriculoperitoneal Shunt in pediatric patients

Ran Wang

1:08-1:14 p.m.

Inadvertent Cerebrospinal Fluid Shunt Valve Reprogramming: Prevalence and Correlation with Signs, Symptoms, Radiographic Changes, and Exposure to Magnetic Fields

Stephanie Staples, ARNP



1:15-1:21 p.m.

Complications in Pediatric Neurosurgical Patients: The Role of Nutrition

Sarah L. Smith, PA-C

1:22-1:28 p.m.

Impact of an Advance Practice Provider Directed Plagiocephaly Clinic for Neurosurgical Practices

Therese Haussner, PA-C

1:29-1:36 p.m.

Fetal In-utero Repair of Myelomeningocele: Postnatal Wound Management From a Nursing Perspective

Anne Marie Gildehaus, CPNP-AC

1:37-1:45 p.m.

Group Discussion

1:46-1:59 p.m.

Beverage Break

2-4:30 p.m.

Hands-on Stations

- Placement and Troubleshooting of EVDs
- Placement and Troubleshooting of ICP Monitors
- Baclofen Pump and Re-fill Station
- Craniotomy and Dural Suturing
- Lumbar Puncture/Lumbar Drainage Shunt Station

Supported by educational grants from Integra and Medtronic.

In-kind equipment supported by Codman Neuro, Integra, Medtronic and Stryker.

4:30-5:30 p.m.

Networking Reception

Location: Lanier Grand Ballroom ABC Foyer

Tuesday, Nov. 28

6:45 a.m.-7 p.m.

Registration

Location: Lanier Grand Ballroom Foyer

7 a.m.-6 p.m.

Speaker Ready Room

Location: Meeting Room 342

11:30 a.m.

Executive Committee Lunch

Location: Meeting Room 340

12-4 p.m.

Executive Committee Meeting

Location: Meeting Room 340

12:30-4:30 p.m. (Ticket Required)

Practical Clinic:**Stereotactic Electro Implantation and Laser Ablation for Epilepsy Course**

Location: Meeting Room 335

Co-directors:

Daniel J. Curry, MD, FAANS

Manish N. Shah, MD

Faculty:

Jeffrey P. Blount, MD, FAAP, FAANS

Ramin Eskandari, MD

David D. Gonda, MD

Jeffrey G. Ojemann, MD, FAANS

Jeffrey S. Raskin, MD

Scellig S.D. Stone, MD, PhD, FAANS

Howard L. Weiner, MD, FAANS

Supported by educational grants from Monteris Medical, MRI Interventions, Inc., Renishaw Healthcare Inc. and Zimmer Biomet.

In-kind equipment supported by Integra, Monteris Medical, MRI Interventions, Inc., Renishaw Healthcare Inc. and Zimmer Biomet.

4-4:30 p.m.

Education Committee

Location: Meeting Room 340

6-7:30 p.m. (Ticket Required)

Opening Reception

Location: Lanier Grand Ballroom Foyer

Supported by Medtronic.

Wednesday, Nov. 29

6 a.m.-5 p.m.

Registration

Location: Lanier Grand Ballroom Foyer

7 a.m.-4 p.m.

Speaker Ready Room

Location: Meeting Room 342

7:15-8 a.m.

Continental Breakfast in the Exhibit Hall

Neuro Zone: Residents and Medical Students Meet the Leadership

Location: Lanier Grand Ballroom G-L

8:01-9:59 a.m.

Scientific Session I: Hydrocephalus**Moderators:**

David H. Harter, MD, FAANS

William E. Whitehead, MD, MPH, FAANS

Location: Lanier Grand Ballroom A-F

8:01-8:05 a.m.

Welcome and Opening Remarks**Section Chair:**

Mark R. Proctor, MD, FAANS

2017 Annual Meeting Program Co-chairs:

David I. Sandberg, MD, FAANS

Howard L. Weiner, MD, FAANS

☆ Signifies Award Candidate

Group 1

8:06-8:12 a.m.

☆ **1. The Preventable Shunt Revision Rate - A Multicenter Analysis**

Pooja Dave

8:13-8:19 a.m.

2. Reinfection Rates Following Adherence to Infectious Diseases Society of America (IDSA) Guidelines in First Cerebrospinal Fluid (CSF) Shunt Infection Treatment

Tamara D. Simon, MD, MPH

8:20-8:26 a.m.

3. Post-operative Ventricle size Involvement in Neuropsychological Outcomes in pediatric Hydrocephalus (VINOH): A prospective cohort study from the HCRN

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

8:27-8:33 a.m.

☆ **4. Evaluating the Cost-Effectiveness of Treatment Options for the Pediatric Hydrocephalus Population**

Jaims Lim

8:34-8:40 a.m.

Group 1 Discussion

Group 2

8:41-8:47 a.m.

☆ **5. Cell-Specific Pressure Injury in an Ex-Vivo Model of Hydrocephalus**

Ramin Eskandari, MD

8:48-8:54 a.m.

6. ADAM10-mediated Disruption of the Ventricular Zone in Human and Experimental Intraventricular Hemorrhage

Leandro Castaneyra-Ruiz, PhD

8:55-9:01 a.m.

☆ **7. Global hydrocephalus: epidemiology and incidence**

Michael Dewan, MD, MSCI

9:02-9:08 a.m.

8. A randomized trial of endoscopic third ventriculostomy with choroid plexus cauterization (ETV/CPC) compared to ventriculoperitoneal shunt for the treatment of post-infectious hydrocephalus in Ugandan infants

Abhaya Vivek Kulkarni, MD, FAANS

9:09-9:15 a.m.

Group 2 Discussion

9:16-9:59 a.m.

Franz D. Ingraham Award for Distinguished Service and Achievement

Introduced by:

Bermans J. Iskandar, MD, FAANS

Interview with Award Recipient

Moderator:

Jeffrey P. Blount, MD, FAANS

Recipient:

W. Jerry Oakes, MD, FAANS(L)



10-10:30 a.m.

Beverage Break in the Exhibit Hall

Neuro Zone: Honoring W. Jerry Oakes, MD, FAANS(L)

Location: Lanier Grand Ballroom G-L

10:31 a.m.-12:21 p.m.

Scientific Session II: Neoplasm I

Location: Lanier Grand Ballroom A-F

Moderators:

Guillermo Aldave, MD

John S. Myseros, MD, FAANS

Group 3

10:31-10:37 a.m.

☆ **9. Clinical utility of whole exome and targeted sequencing for pediatric central nervous system (CNS) tumors**

Prajwal Rajappa, MD

10:38-10:44 a.m.

☆ **10. Role of p53 in Defining Involvement of Small Molecule Inhibitors in Treatment of Medulloblastoma**

Jennifer Sachiko Ronecker, MD

10:45-10:51 a.m.

11. Nonviral PEGylated Poly(Beta Amino Ester) Nanoparticles as a Safe and Effective Treatment for Pediatric Malignancies

John Choi

10:52-10:58 a.m.

☆ **12. MAP4K4 is essential for glioblastoma invasion**

Laura Prolo, MD, PhD

10:59-11:05 a.m.

Group 3 Discussion

Group 4

11:06-11:12 a.m.

☆ **13. Assessing Physiologic Implications of Administering Panobinostat by Convection Enhanced Delivery into the Pons of DIPG Xenograft Murine Models**

Kathleen Elizabeth Knudson, MD

11:13-11:19 a.m.

☆ **14. Pre-Clinical Analysis of Tenascin-C as a Novel Therapeutic Target in Pediatric Brainstem Glioma**

Darian Esfahani, MD

11:20-11:26 a.m.

15. Evaluating Therapeutic Vulnerabilities in DIPG Tumors: Working Towards Targeted Therapy

David John Daniels, MD, PhD

11:27-11:33 a.m.

16. Preliminary results from PNOC-003: A precision medicine trial for children with diffuse intrinsic pontine glioma

Nalin Gupta, MD, PhD, FAANS

11:34-11:40 a.m.

Group 4 Discussion

11:41 a.m.-12:21 p.m.

**Raimondi Lecture
Life Aboard the International Space Station: A Physician's Perspective**

Thomas H. Marshburn, MD

12:22-1:22 p.m.

Lunch in the Exhibit Hall

Neuro Zone: Conversation with Dr. Marshburn

Location: Lanier Grand Ballroom G-L

1:23-3:04 p.m.

Scientific Session III: Trauma/Functional I

Lanier Grand Ballroom A-F

Moderators

Eveline Teresa Hidalgo, MD

Manish N. Shah, MD

Group 5

1:23-1:29 p.m.

☆ **17. Seizure propagation in a novel model of cobalt-induced focal cortical epilepsy**

Alexander Ksendzovsky, MD

1:30-1:36 p.m.

☆ **18. Selection of children with very severe TBI for neurosurgical intervention**

Krista Noel Sophia Greenan, MD

1:37-1:43 p.m.

19. Immunosuppression Following Traumatic Brain Injury in a Juvenile Rat Model

Eric Anthony Sribnick, MD, PhD

1:44-1:50 p.m.

☆ **20. Elevated markers of brain injury as a result of clinically asymptomatic high-acceleration head impacts in high school football athletes**

Jacob Rahul Rajiv Joseph, MD

1:51-1:57 p.m.

Group 5 Discussion

Group 6

1:58-2:04 p.m.

☆ **21. Accuracy of Robot-Assisted vs. Stealth-Guided StereoEEG Electrode Placement in Children**

Julia Sharma, MD

2:05-2:11 p.m.

☆ **22. Granger Causality Analysis of Interictal Stereoelectroencephalography (sEEG) Data**

Scellig S. D. Stone, MD, PhD, FAANS

2:12-2:18 p.m.

☆ **23. Safety and Efficacy of Stereoelectroencephalography (sEEG) in Pediatric Focal Epilepsy**

Hannah Goldstein, MD

2:19-2:25 p.m.

24. A Comparative Effectiveness and Cost Study of Two Invasive EEG Surgical Epilepsy Paradigms in Children

Nathalie Hader

2:26-2:32 p.m.
Group 6 Discussion

2:33-3:04 p.m.
Clinical Symposium I: Shunt Valves: Fixed Pressure vs. Programmable
Speakers:
Michael G. Muhonen, MD, FAANS
Jay K. Riva-Cambrin, MD, MSc, FAANS

3:05-3:35 p.m.
Beverage Break in the Exhibit Hall
Neuro Zone: Conversation with Dr. Muhonen and Dr. Riva-Cambrin
Location: Lanier Grand Ballroom G-L

3:36-4:45 p.m.
Scientific Session IV: Functional II
Location: Lanier Grand Ballroom A-F
Moderators:
Angela V. Price, MD, FAANS
Amanda L. Yaun, MD, FAANS

Group 7

☆ 3:36-3:42 p.m.
25. Epilepsy Associated Low-Grade Neural-Glial Tumors: Outcomes After Surgical Resection
Arvind C Mohan

☆ 3:43-3:49 p.m.
26. The Role of Complete Corpus Callosotomy in Catastrophic Non-localizing Epilepsy
Fatima Ajmal, MD

☆ 3:50-3:56 p.m.
27. Stereotactic Laser Ablation for Completion Corpus Callosotomy
Derek Yecies, MD

3:57-4:03 p.m.
28. A Novel Method for Selection of Therapeutic Targets in Children with Acquired Dystonia
Richard Aaron Robison, MD

4:04-4:10 p.m.
Group 7 Discussion

4:11-4:15 p.m.
Announcements

4:16-4:30 p.m.
Annual Business Meeting

4:31-4:45 p.m.
AAP/SONS Business Meeting

Thursday, Nov. 30

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

7 a.m.-4 p.m.
Speaker Ready Room
Location: Meeting Room 342

7:15-8 a.m.
Continental Breakfast in the Exhibit Hall
Neuro Zone: Difficult Case Review
Location: Lanier Grand Ballroom G-L

8:01-9:59 a.m.
Scientific Session V: Vascular/Trauma II
Location: Lanier Grand Ballroom A-F

Moderators:
Sandi K. Lam, MD, FAANS
Peter P. Sun, MD, FAANS

8:01-8:06 a.m.
2018 Nashville Preview
John C. Wellons III, MD, FAANS

Section Research Grants

8:07-8:10 a.m.
Immunosuppression After Traumatic Brain Injury and Polytrauma in a Juvenile Rat Model
Eric Anthony Sribnick, MD, PhD

8:11-8:14 a.m.
The Role of Viral Integration in Early Pediatric Brain Tumors
Katie Pricola Fehnel, MD

8:15-8:16 a.m.
Q&A

Group 8

8:17-8:23 a.m.
29. How Often Do Children with Vein of Galen Malformation Require Open Neurosurgery: Experience from 135 Consecutive Cases
Greg James, MRCS, PhD

☆ 8:24-8:30 a.m.
30. Predictors of Persistent Neurological Deficit Following Surgical Treatment of Pediatric Arteriovenous Malformations: A Multi-Institutional Analysis of Clinical and Radiographic Factors
Vijay Mysore Ravindra, MD

8:31-8:37 a.m.
31. Effects of Intraventricular Hemorrhage on the Ventricular Zone and White Matter in Infant Ferrets
James (Pat) Patterson McAllister II, PhD

☆ 8:38-8:44 a.m.
32. CyberKnife Radiosurgery for the Treatment of Pediatric Arteriovenous Malformations
Jennifer Lauren Quon, MD

8:45-8:51 a.m.
Group 8 Discussion

Group 9

8:52-8:58 a.m.
☆ 33. Development of the CIDSS2 Score for Children with Mild Head Trauma without Intracranial Injury
Jacob Kalman Greenberg, MD

8:59-9:05 a.m.
☆ 34. Juvenile Traumatic Brain Injury Results in Cognitive Deficits Associated with impaired ER stress and early tauopathy
Brandon P. Lucke-Wold

9:06-9:12 a.m.
☆ 35. Analysis of Pediatric Gunshot Wounds in Houston, Texas: A Social Perspective
Joe Brewer

9:13-9:19 a.m.
36. Improvement in Radiation Avoidance: Implementation of a Pediatric Cervical Spine Clearance Algorithm
Katrina Alise Ducis, MD

9:20-9:26 a.m.
Group 9 Discussion

9:27-9:59 a.m.
Clinical Symposium II: Colloid Cyst Management

Speakers:
Arthur L. Day, MD, FAANS
Mark M. Souweidane, MD, FAANS
Supported from an educational grant from Codman Neuro.

10-10:30 a.m.
Beverage Break in the Exhibit Hall
Neuro Zone: Conversation with Dr. Day and Dr. Souweidane
Location: Lanier Grand Ballroom G-L

10:31 a.m.-12:14 p.m.
Scientific Session VI: Hydrocephalus II
Location: Lanier Grand Ballroom A-F

Moderators:
Carrie Rebecca Muh, MD, FAANS
Steven J. Schiff, MD, PhD, FAANS

Group 10

10:31-10:37 a.m.
☆ 37. Surgical Resource Utilization after Initial Treatment of Hydrocephalus
Jonathan A. Pindrik, MD

10:38-10:44 a.m.
38. Patient and Treatment Characteristics by Infecting Organism in Cerebrospinal Fluid (CSF) Shunt Infection
Tamara D. Simon, MD, MPH

10:45-10:51 a.m.
☆ 39. Abnormal Ependymal Motile Cilia Causes Hydrocephalus in the "progressive hydrocephaly (prh)" Mutant Mouse Line
Zakia Abdelhamed, PhD

10:52-10:58 a.m.

- ☆ 40. A Comparison of Hydrocephalus Metrics Between Infants Successfully Treated with ETV/CPC or VPS: a Multicenter Matched Cohort Analysis

Michael Dewan, MD, MSCI

10:59-11:05 a.m.

Group 10 Discussion

Group 11

11:06-11:12 a.m.

- ☆ 41. DTI Quantification of Mild White Matter Alterations in a CRISPR/Cas9-Generated Rat Model of X-Linked Hydrocephalus

Shawn Vuong, MD

11:13-11:19 a.m.

- ☆ 42. A Retrospective Review of 401 Infants Treated for Hydrocephalus in Haiti

Carolina Sandoval-Garcia, MD

11:20-11:26 a.m.

- ☆ 43. Challenging common views regarding cerebrospinal fluid parameters: infection, hemorrhage, and post-hemorrhagic hydrocephalus

Syed Hassan Akbari, MD

11:27-11:33 a.m.

- ☆ 44. CRISPR/Cas9-Based Development of progressive hydrocephaly (prh) Rat Model of Hydrocephalus

Shawn Vuong, MD

11:34-11:40 a.m.

Group 11 Discussion

11:41 a.m.-12:14 p.m.

AAP/SONS Lecture
Global Pediatric HIV/AIDS: Lessons from the Field

Mark W. Kline, MD

12:15-1:15 p.m.

Lunch in the Exhibit Hall

Neuro Zone: Conversation with Dr. Kline

Location: Lanier Grand Ballroom G-L

1:16-3:09 p.m.

Scientific Session VII: Neoplasm II/
Technical Advances I

Location: Lanier Grand Ballroom A-F

Moderators:

Tord D. Alden, MD, FAANS

Curtis J. Rozzelle, MD, FAANS

1:16-1:55 p.m.

Poster Viewing

Location: Lanier Grand Ballroom A-F

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

1:56-1:59 p.m.

Poster Winners Announced

Group 12

2-2:06 p.m.

45. Optic pathway gliomas and their volumetric response to chemotherapy: 12 cc3 volume threshold for improvement vs. treatment failure

Joel Katz, DO

2:07-2:13 p.m.

- ☆ 46. Clinical Tolerance and the Importance of Corticospinal Tracts in Convection-Enhanced Delivery Planning

Peter F Morgenstern, MD

2:14-2:20 p.m.

- ☆ 47. Racial Disparities and the Effect of Hospital Factors on Outcomes of Children with Brain Tumors

Annie Drapeau, MD

2:21-2:27 p.m.

- ☆ 48. Systemic and Convection-Enhanced Delivery of Dasatinib Extend Survival in Murine Histone H3.3K27M Mutant Brainstem Glioma

Peter Madsen, MD

2:28-2:34 p.m.

Group 12 Discussion

Group 13

2:35-2:41 p.m.

- ☆ 49. Speckle-Modulating Optical Coherence Tomography for Brain Tumor Margin Detection and in vivo Neuroimaging

Derek Yecies, MD

2:42-2:48 p.m.

50. Addition of anti-siphon devices decreases the incidence of proximal shunt obstruction

Joyce Koueik, MD

2:49-2:55 p.m.

- ☆ 51. Modification of an In Vivo Model for Ventricular Shunt Infection: a Pilot Study Using a Novel Antimicrobial-loaded Polymer

Rajiv Iyer, MD

2:56-3:02 p.m.

- ☆ 52. Two Different Thermal Flow Evaluation Methods Improve Diagnostic Accuracy of Shunt Malfunction: A Prospective, Multi-center, Double-Blinded Study

Mustafa Q. Hameed, MD

3:03-3:09 p.m.

Group 13 Discussion

3:10-3:40 p.m.

Beverage Break in the Exhibit Hall

Neuro Zone: First Prize Drawing

Location: Lanier Grand Ballroom G-L

3:41-4:15 p.m.

Scientific Session VIII: Technical Advances II

Location: Lanier Grand Ballroom A-F

Moderators:

Robert John Bollo, MD, FAANS

Erin Kiehna, MD

Group 14

3:41-3:47 p.m.

- ☆ 53. The Role of Folate and the Methylation Pathway in Regeneration and Recovery of the Injured Peripheral Nervous System

Kimberly Hamilton, MD

3:48-3:54 p.m.

- ☆ 54. Developing a Pediatric Neurosurgical Training Model

Mary Murphy, MD

3:55-4:01 p.m.

55. Automated Segmentation of Hydrocephalic Images: Bridging the Gap Between Research and Clinical Use

Steven J. Schiff, MD, PhD, FAANS

4:02-4:08 p.m.

- ☆ 56. Magnetic Resonance-Guided Stereotactic Laser Ablation Surgery for the Treatment of Localization-Related Intractable Epilepsy and Brain Tumors: Preliminary Results from a Multi-Institutional Study in Pediatric Patients

Elsa Arocho-Quinones, MD

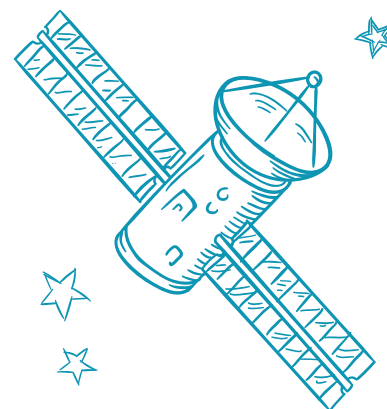
4:09-4:15 p.m.

Group 14 Discussion

4:15-5:15 p.m. (Ticket Required)

Wine & Cheese Reception in the Exhibit Hall

Location: Lanier Grand Ballroom G-L



Friday, Dec. 1

6:00-11 a.m.

Registration

Location: Lanier Grand Ballroom Foyer

7:15-8 a.m.

Continental Breakfast in the Exhibit Hall

Neuro Zone: Ask the Experts

Location: Lanier Grand Ballroom G-L

8:01-9:44 a.m.

Scientific Session IX: Chiari/Miscellaneous

Location: Lanier Grand Ballroom A-F

Moderators:

Susan R. Durham, MD, FAANS

Timothy M. George, MD, FAANS

Group 15

8:01-8:07 a.m.

- ☆ 57. Holocord Syrxinx in Chiari I: Results of a Multi-Center Prospective Database

Sean David McEvoy, MD

8:08-8:14 a.m.

- ☆ 58. Progression of Chiari type I Malformation after mild Trauma: A systematic review to determine clinical guidelines

Philip Tatman

8:15-8:21 a.m.

- ☆ 59. Natural History of Benign Chiari I Malformation

Tofey Leon

8:22-8:28 a.m.

60. Intradural Pathology and Pathophysiology Associated with Chiari I Malformation with and without Syringomyelia

Brian J. Dlouhy, MD

8:29-8:35 a.m.

Group 15 Discussion

Group 16

8:36-8:42 a.m.

61. Fate of Pre-Natally Diagnosed Arachnoid Cysts and Implications for Surgical Management

Rafael Uribe Cardenas, MD

8:43-8:49 a.m.

- ☆ 62. Use of Topical Vancomycin Following Pediatric Craniotomies to Lower Infection Risk

Allen H. Ho, MD

8:50-8:56 a.m.

- ☆ 63. Predictors of Mortality for Preterm Infants with Intraventricular Hemorrhage: A Population-Based Study

Rowland Han

8:57-9:03 a.m.

64. Successful Reduction of Moderate-Severe Intraventricular Hemorrhage (IVH) Using an IVH Bundle: A Quality Improvement Project

Nicolas Chiriboga-Salazar, MD

9:04-9:10 a.m.

Group 16 Discussion

9:11-9:44 a.m.

Clinical Symposium III: Management of Temporal Lobe Epilepsy

Speakers:

Sanjiv Bhatia, MD, FAANS

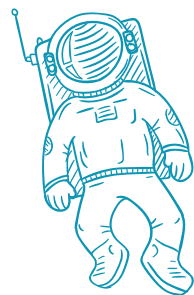
Daniel J. Curry, MD, FAANS

9:45-10:15 a.m.

Beverage Break in the Exhibit Hall

Neuro Zone: Second Prize Drawing

Location: Lanier Grand Ballroom G-L



10:16-11:30 a.m.

Scientific Session X: Spine and Spina Bifida

Location: Lanier Grand Ballroom A-F

Moderators:

Brian Joseph Kelley, MD, PhD

Jennifer Strahle, MD

Group 17

10:16-10:22 a.m.

- ☆ 65. Abdominal reflex in syringomyelia is related to syrinx size, location and etiology

Catherine A. Ziats, MD

10:23-10:29 a.m.

- ☆ 66. Microneurosurgical Placode Tubularization on Reducing Spinal Cord Tethering and Inclusion Cysts Following 60 Fetal Myelomeningocele Repairs

Matt Pierson, MD

10:30-10:36 a.m.

- ☆ 67. Cerebral palsy (CP) patients with preserved cognition and communication have similar improvements in CPCHILD scores after spinal fusion for scoliosis compared to non-communicative CP patients

Kristin Jacyln Weaver, MD, PhD

10:37-10:43 a.m.

- ☆ 68. Is Prophylactic Untethering Necessary in Myelomeningocele Patients Undergoing Scoliosis Corrective Surgery?

Hannah Goldstein, MD

10:44-10:50 a.m.

Group 17 Discussion

Group 18

10:51-10:57 a.m.

- ☆ 69. Atlantoaxial Fusion in the Pediatric Population: A Multicenter Analysis of Predictors of Non-Fusion

Walavan Sivakumar, MD

10:58-11:04 a.m.

- ☆ 70. Applicability of a Preoperative Score Predictive of Spinal Deformity Following Laminoplasty for Pediatric Intramedullary Spinal Cord Tumors

David S. Hersh, MD

11:05-11:11 a.m.

71. Developing Strategies to Improve the Outcome in Fetal Surgery for Spina Bifida

Stephen A. Fletcher, DO

11:12-11:18 a.m.

72. Characterizing the Treatment and Risk Factors Impacting Outcomes and Spinal Deformity for Pediatric Neuroblastoma

Hilary Wright

11:19-11:25 a.m.

Group 18 Discussion

11:26-11:30 a.m.

Hydrocephalus, Shulman and AAP Awards

Mark R. Proctor, MD, FAANS

11:30 a.m.

Closing Remarks

Mark R. Proctor, MD, FAANS





Exhibit Hall Entrance



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
 - Medtronic
- Emerald Support Level**

 - Integra
 - MRI Interventions, Inc.
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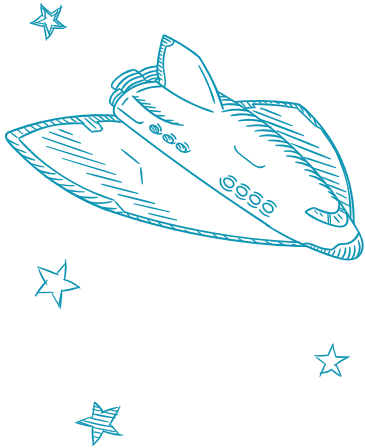
 - Children’s Memorial Hermann Hospital
 - LeBonheur Children’s Hospital
 - Monteris Medical

We wish to thank Codman Neuro, Integra, Medtronic, Monteris Medical, MRI Interventions, Inc., Renishaw Healthcare Inc. and Zimmer Biomet for providing educational grants to support the meeting.

We wish to thank Codman Neuro, Integra, Medtronic, Monteris Medical, MRI Interventions, Inc., Renishaw Healthcare Inc., Stryker and Zimmer Biomet for gifts in-kind to support the meeting.

Exhibitors

Company Name	Booth Number
Aesculap Inc.	115
Arkis BioSciences	216
Brainlab	306
Children’s Memorial Hermann Hospital	114
Hydrocephalus Association	206
IMRIS / Deerfield Imaging, Inc.	107
Integra Lifesciences	205
KARL STORZ Endoscopy-America, Inc.	214
KLS Martin	304
LeBonheur Children’s Hospital	208
Medtronic	104
Monteris Medical Inc.	305
MRI Interventions, Inc.	117
Neuro Zone	209
NICO Corporation	204
Nova Innovations	313
Pro Med Instruments, Inc.	215
Renishaw Healthcare Inc.	307
RosmanSearch, Inc.	109
ShuntCheck Inc.	112
Sophysa USA Inc.	105
TAKAYAMA/MUTOH America	309
Texas Children’s Hospital	314
Zimmer Biomet	217

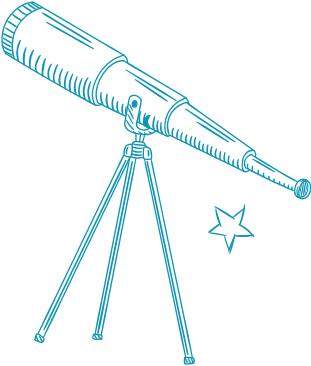
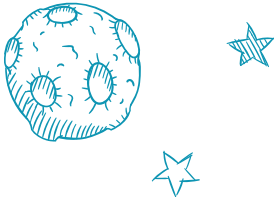


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Attendees have the opportunity to win free meeting registration and a two-night stay for the 2018 Annual Meeting of the AANS/CNS Section on Pediatric Neurological Surgery in Nashville. To participate, stop by each exhibitor in the hall during breaks, meals and the Wine & Cheese Reception and have a representative stamp the exhibitor card on the reverse side. Once each exhibitor has stamped your card, deposit it in the container at the Registration Desk for your chance to win.

Winners must be present to win, and the prize is non-transferable.

Drawings will be Thursday, Nov. 30, at 3:30 p.m. and Friday, Dec. 1, at 10 a.m.



Instructions

1. Have your exhibit card stamped at each booth in the Exhibit Hall.
2. Please print all your contact information below.
3. Deposit your exhibit card into the container at the Registration Desk.
4. Make sure to be in the Exhibit Hall on Thursday, Nov. 30, at 3:30 p.m. and Friday, Dec. 1, at 10 a.m.

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