

QUICK PLANNER

CREATIVITY & INNOVATION



48th Annual Meeting of the AANS/CNS Section on
PEDIATRIC NEUROLOGICAL SURGERY

December 5–8, 2019

Hyatt Gainey Ranch | Scottsdale, Arizona



CNS

GET THE MEETING APP
AT 360.AANS.ORG



PROGRAM AT A GLANCE

THURSDAY, DEC. 5		
Time	Event	Location
6:45 am-7 pm	Registration Desk	Vaquero Registration East
12-4 pm	Pediatric Section Executive Committee Meeting	Dunes AB
8 am-4:36 pm	Advanced Practice Provider (APP) Seminar (registration required) Keynote Address — Teri Pipe, PhD, RN	Arizona Ballroom VI, VII, VIII
4-5 pm	Pediatric Section Education Committee Meeting	Dunes AB
6-7:30 pm	Opening Reception (ticket required)	Palm Grove

Note: Time and location subject to change



PROGRAM AT A GLANCE

FRIDAY, DEC. 6		
Time	Event	Location
7 am-5 pm	Registration Desk	Vaquero Registration East
7:15-8 am	Continental Breakfast in the Exhibit Hall Neuro Zone: Residents and Medical Students Meet the Leadership	Vaquero Ballroom
7:15 am-6 pm	Exhibit Hall Open	Vaquero Ballroom
8-10:08 am	Scientific Session I Raimondi Lecture — Sethuraman Panchanathan, PhD	Arizona Ballroom
10:09-10:39 am	Beverage Break in the Exhibit Hall	Vaquero Ballroom
10:40-11:49 am	Scientific Session II	Arizona Ballroom
11:50 am-12:50 pm	Lunch in the Exhibit Hall	Vaquero Ballroom
12:51-2:36 pm	Scientific Session III Franc D. Ingraham Award — Arnold H. Menezes, MD, FAANS(L)	Arizona Ballroom
2:37-3:07 pm	Beverage Break in the Exhibit Hall Honoring Dr. Menezes	Vaquero Ballroom
3:08-4:29 pm	Scientific Session IV	Arizona Ballroom
4:30-4:44 pm	AANS/CNS Section on Pediatric Neurological Surgery Annual Business Meeting	Arizona Ballroom
4:45-4:59 pm	AAP/SONS Business Meeting	Arizona Ballroom
5-6 pm	Wine and Cheese Reception in the Exhibit Hall	Vaquero Ballroom

Note: Time and location subject to change

PROGRAM AT A GLANCE

SATURDAY, DEC. 7		
Time	Event	Location
7 am-5 pm	Registration Desk	Vaquero Registration East
7:15-8 am	Continental Breakfast in the Exhibit Hall Neuro Zone: Mentor Connection	Vaquero Ballroom
7:15 am-3:30 pm	Exhibit Hall Open	Vaquero Ballroom
8-9:56 am	Scientific Session V AAP/SONS Lecture — Michael Berens, PhD	Arizona Ballroom
9:57-10:27 am	Beverage Break in the Exhibit Hall Neuro Zone: Continue the Conversation with the AAP/SONS Lecturer, Michael Berens, PhD	Vaquero Ballroom
10:28-11:46 am	Scientific Session VI	Arizona Ballroom
11:47 am-12:47 pm	Lunch in the Exhibit Hall	Vaquero Ballroom
12:48-1:18 pm	Poster Viewing - Authors Stationed at their Posters for Q&A	Arizona Ballroom
1:19-2:20 pm	Scientific Session VII Poster Awards Announced	Arizona Ballroom
2:21-2:51 pm	Beverage Break in the Exhibit Hall Neuro Zone: Continue the Conversation with the Presenters of the Collaborative Research Proposals and Raffle Prize Drawing	Vaquero Ballroom
2:52-4:37 pm	Scientific Session VIII	Arizona Ballroom

Note: Time and location subject to change

PROGRAM AT A GLANCE

SUNDAY, DEC. 8		
Time	Event	Location
7-11 am	Registration Desk	Vaquero Registration East
7:15-8 am	Continental Breakfast	Arizona Ballroom Foyer
8-9:34 am	Scientific Session IX	Arizona Ballroom
9:35-10:05 am	Beverage Break in Foyer	Arizona Ballroom Foyer
10:06-11:14 am	Scientific Session X Shulman, Hydrocephalus and AAP/SONS Abstract Awards Announced	Arizona Ballroom

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

The AANS designates this live activity for a maximum of 22 *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 activity has been submitted to the Ohio Nurses Association (OBN-001-91) for approval to award contact hours. The Ohio Nurses Association is accredited as an approver of continuing nursing education by the American Nurses Credentialing Center's (ANCC) Commission on Accreditation.

Disclosure Statement

Prior to the start of this program, anyone in control of educational content for this activity will disclose the existence of any financial interest and/or the relationship they, or their significant other, have with an ACCME-defined commercial interest.

Disclosures are included in the meeting app, accessible at 360.aans.org.

CONFERENCE INFORMATION

Opening Reception

The Opening Reception is held in the Palm Grove at Hyatt Gainey Ranch. Attendees have the opportunity to network and connect with colleagues while enjoying an evening outdoors. Pearl Ridge Trio, a popular local acoustic group, provides the entertainment for a night of conversation and fun to kick off the meeting.

This is a ticketed event. All registered attendees and guests receive one complimentary ticket to this event. Additional tickets are available to purchase.



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. The three legacy speakers along with experienced advanced practice providers (APPs) are featured during Saturday morning breakfast for a casual forum, providing mentorship opportunities for young trainees and APPs new to the subspecialty. Key speakers will be available for additional dialogue following their talks. Check the program schedule for details.

Raffle Drawings

Receive one raffle ticket for each 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). Must be present to win. The prize drawing is held during the Saturday afternoon beverage break.

Abstract and Poster Presentations

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

Photography and Capture



By 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

(registration required)

THURSDAY, DEC. 5

6:45 am-7 pm

Registration Desk

Location: Vaquero Registration East

7 am-6 pm

Speaker Ready Room

Location: Hyatt Boardroom

8-8:04 am

Welcome and Opening Remarks

Location: Arizona Ballroom VI, VII, VIII
Kathleen Ethel Klas, CPNP-PC

8:05-8:07 am

Introduction to the Keynote Address

P. David Adelson, MD, FAANS

8:08-8:38 am

**Keynote Address: Mindfulness,
Innovation and Creativity for Leaders**

Teri Pipe, PhD, RN

8:39-8:59 am

Utilization of Neurosurgery APPs

Kathleen Ethel Klas, CPNP-PC

9-9:20 am

Advanced Pediatric Neuroimaging

Jeffrey H. Miller, MD

9:21-9:41 am

**Intracranial Infections in the Pediatric
Population**

Donna Wallace, RN, MS, CPNP

9:42-10:02 am

Beverage Break

10:03-10:32 am

Pediatric Brain Tumors

Elizabeth Haley Vance, DNP, APRN,
CPNP-AC

10:33-11:02 am

**Overview of Pediatric Cerebrovascular
Disorders and Management**

Jennifer Judge, CPNP



ADVANCED PRACTICE PROVIDER SEMINAR

11:03-11:32 am

Transitional Care: It Sounds Good, But Does it Really Happen?

Patti L. Batchelder, RN, MS, CPNP

11:33 am-12:02 pm

Time for E.A.T.S. (Evaluation and Treatment of Spasticity)

Christy Monson, RN, MSN, CPNP-AC

12:03-1:03 pm

Lunch

Location: Desert Garden

1:04-1:07 pm

Introduction to Roundtable Discussions

Kathleen Ethel Klas, CPNP-PC

1:08-3:56 pm

Roundtable Discussion Sessions

Moderators present a case for discussion. Each participant is able to engage in five 30-minute "rounds".

Table Topics:

- 1. Incidental Findings in Radiology**
Shelley Flecky, PA-C
- 2. Spine**
Jamal McClendon Jr., MD
- 3. Hydrocephalus: Do you Treat with ETV, Programmable or Fixed Pressure Shunt?**
Tish M. Reidy, RN
- 4. Tips and Tricks in Procedures**
Jennifer Sachiko Ronecker, MD
- 5. Craniosynostosis**
Ashley O'Connor, MSN
- 6. Chiari Cases and Queries**
Camille Bloom, MS, MMS, RD, PA-C
- 7. Neurosurgical Care of Children with Epilepsy**
Allyson L. Alexander, MD, PhD
- 8. Mild to Moderate TBI**
Lindsey Weak

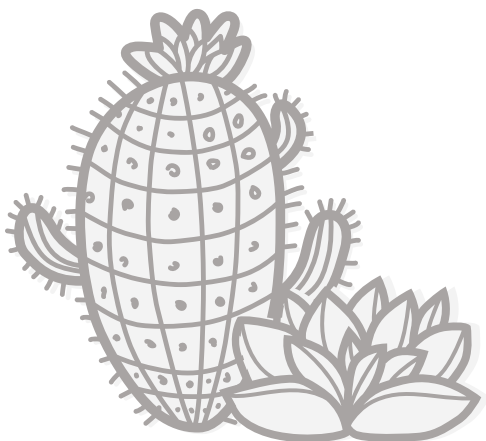
3:59-4:30 pm

Moderator Wrap Up and Discussion

4:31-4:36 pm

Roundtable Session Summary and Evaluation

Kathleen Ethel Klas, CPNP-PC



ANNUAL MEETING PROGRAM SCHEDULE

THURSDAY, DEC. 5

6:45 am-7 pm

Registration Desk

Location: Vaquero Registration East

7 am-6 pm

Speaker Ready Room

Location: Hyatt Boardroom

12-4 pm

AANS/CNS Section on Pediatric
Neurological Surgery Executive
Committee Meeting

Location: Dunes AB

4-5 pm

Education Committee

Location: Dunes AB

6-7:30 pm

Opening Reception (ticket required)

Location: Palm Grove

Music provided by Pearl Ridge Trio

Supported by Medtronic

FRIDAY, DEC. 6

7 am-5 pm

Registration Desk

Location: Vaquero Registration East

7 am-4 pm

Speaker Ready Room

Location: Hyatt Boardroom

7:15 am-6 pm

Exhibit Hall Open

Location: Vaquero Ballroom

7:15-8 am

Continental Breakfast in the Exhibit Hall
Neuro Zone: Residents and Medical
Students Meet the Leadership

Location: Vaquero Ballroom

8-10:08 am

SCIENTIFIC SESSION I

Location: Arizona Ballroom

Moderators

Jonathan A. Pindrik, MD, FAANS

Jennifer Strahle, MD, FAANS

8-8:04 am

Welcome and Opening Remarks

Section Chair

Mark D. Krieger, MD, FAANS

2019 Annual Meeting

Program Committee

P. David Adelson, MD, FAANS

Ruth Bristol, MD, FAANS

Kathleen Klas, CPNP-PC



ANNUAL MEETING PROGRAM SCHEDULE


8:05-8:13 am

A Legacy's Perspective: From a Personal Side

R. Michael Scott, MD, FAANS(L)

Abstract Group 1: Developmental Topics

8:14-8:20 am

-  **1. Predictors of Syrxin Resolution, Regression, Stability and Progression in Patients with Chiari Malformation Type I: A Study from the Park Reeves Syringomyelia Research Consortium**

Andrew Hale

8:21-8:27 am

-  **2. Dural Augmentation Strategies and Complication Rates After Posterior Fossa Decompression for Chiari I Malformation and Syringomyelia: A Park Reeves Syringomyelia Research Consortium Study**

Alexander T Yahanda

8:28-8:34 am

3. Positional Posterior Plagiocephaly: A Single Center Review

Ranbir S. Ahluwalia

8:35-8:41 am

4. Rare And De Novo Coding Variants In Chromodomain Genes In Type I Chiari Malformation

Brooke Sadler, PhD

8:42-8:48 am

Discussion Session—Abstract Group 1


Abstract Group 2: Hydrocephalus 1

8:49-8:55 am

5. The Cytokine Response to Shunting in the Treatment of Hydrocephalus is Dependent on Revision History

James (Pat) Patterson McAllister II, PhD

8:56-9:02 am

-  **6. L1cam Mutation Exacerbates Neonatal Hydrocephalus in a CCDC39 Deficient Rat Model Characterized by Impaired Glymphatic CSF Flow**

Andrew Scott Emmert

9:03-9:09 am

7. The Bacterial and Viral Complexity of Infant Postinfectious Hydrocephalus in Uganda

Steven J. Schiff, MD, PhD, FAANS

9:10-9:16 am

-  **8. Lack of ventricular change during shunt malfunction**

Rebecca Anne Reynolds, MD

9:17-9:23 am

Discussion Session—Abstract Group 2

9:24-10:08 am

Raimondi Lecture: The Evolving Role of Innovation in Healthcare

Sethuraman Panchanathan, PhD

10:09-10:39 am

Beverage Break in the Exhibit Hall

Location: Vaquero Ballroom

ANNUAL MEETING PROGRAM SCHEDULE

10:40-11:49 am

SCIENTIFIC SESSION II

Location: Arizona Ballroom

Moderators

Stephanie Greene, MD, FAANS

Jesse Michael Skoch, MD

Abstract Group 3: Trauma

10:40-10:46 am

9. Imaging, Surgery And Outcomes In Pediatric Head Trauma: Data From The Trauma Quality Improvement Program


Inge Arnoldina Maria Erp

10:47-10:53 am

10. Evaluating A Novel MRI Biomarker To Identify Retinal Hemorrhage


Kyle Gregory Halvorson, MD

10:54-11:00 am

-  11. Novel Treatments for Post Concussion Syndrome: Using A Phenome Wide Association Study (PheWAS) To Generate New Hypotheses In A Pediatric Population

Aaron Michael Yengo Kahn, MD

11:01-11:07 am

-  12. Variable Management Among US Institutional Protocols for Severe Pediatric Traumatic Brain Injury


Hengameh B. Pajer

11:08-11:14 am

Discussion Session—Abstract Group 3

Abstract Group 4: Neoplasm

11:15-11:21 am

-  13. B7H3 Expression in PFA and PFB Ependymoma: Implications for Therapeutic Targeting

Derek Yecies, MD

11:22-11:28 am

-  14. A Longitudinal Analysis of Pediatric Solid Tumor Brain Metastases


Whitney Parker, MD

11:29-11:35 am

15. The Role of the SWI/SNF Complex Subunit SMARCD3 in Medulloblastoma

Vaibhav Sharma

11:36-11:42 am

-  16. Safety and Efficacy of Brainstem Biopsy in the Pediatric Population

David S. Hersh, MD

11:43-11:49 am

Discussion Session—Abstract Group 4

11:50 am-12:50 pm

Lunch in the Exhibit Hall

Location: Vaquero Ballroom

ANNUAL MEETING PROGRAM SCHEDULE

12:51-2:36 pm

SCIENTIFIC SESSION III

Location: Arizona Ballroom

Moderators

Jeffrey P. Blount, MD, FAAP, FAANS

Daniel J. Curry, MD, FAANS

Abstract Group 5: Functional Neurosurgery

12:51-12:57 pm

17. Evaluating the Effect of Standardized Protocol Implementation on Infection and Readmission Rates Following Baclofen Pump Procedure.

Meghan E. Kramer

12:58-1:04 pm

18. Ventricular Decompression Mitigates Impaired Functional Connectivity in Post Hemorrhagic Hydrocephalus of Prematurity

Diego Martin Morales

1:05-1:11 pm

19. Somatosensory Evoked Fields Predict Response to Vagus Nerve Stimulation

Karim Mithani (Canada)

1:12-1:18 pm

20. Hemispheric Surgery Outcome Prediction Scale: Development and Validation of a Seizure Freedom Prediction Tool

Aria Fallah, MD, FAANS

1:19-1:25 pm

Discussion Session—Abstract Group 5

Abstract Group 6: Socioeconomic

1:26-1:32 pm

21. Cost Effectiveness Analysis of Strategies in the Treatment of Post Infectious Hydrocephalus

Abbas Rattani

1:33-1:39 pm

22. Geospatial Mapping Of International Neurosurgical Partnerships And Evaluation Of Extent Of Training And Engagement

Daniel J. Olivieri

1:40-1:46 pm

23. How Do Parents Decide Whether To Allow A Child To Participate In Collision Sports?

Aaron Michael Yengo Kahn, MD

1:47-1:53 pm

24. Cost Comparison of Surgical Management of Non Sagittal Synostoses: Traditional Open vs Endoscopic Assisted Techniques

Esther Cleveland Beeson Dupepe, MSPH, MD

1:54-2 pm

Discussion Session—Abstract Group 6

2:01-2:36 pm

Franco D. Ingraham Award for Distinguished Service and Achievement

Introduced by:

Douglas L. Brockmeyer, MD, FAANS

Recipient:

Arnold H. Menezes, MD, FAANS(L)

The Making of a Pediatric Spinal Neurosurgeon

Presentation of Award:

Mark D. Krieger, MD, FAANS



ANNUAL MEETING PROGRAM SCHEDULE

2:37-3:07 pm

Beverage Break in the Exhibit Hall
Honoring Dr. Menezes

Location: Vaquero Ballroom

3:08-4:29 pm

SCIENTIFIC SESSION IV

Location: Arizona Ballroom

Moderators

Robert John Bollo, MD, FAANS

Krystal Lynne Tomei, MD, MPH, FAANS

Section Research Grants

3:08-3:11 pm

Probing the Network Basis of Attention
Deficits in Children with Epilepsy Using
Stereotactic Intracranial Recordings

George M. Ibrahim, MD, FAANS (Canada)

3:12-3:15 pm

Nanoparticle Therapy for
Pediatric Brain Tumors

Peter Anthony Chiarelli, MD

Abstract Group 7: Spine

3:16-3:22 pm

- 25. Posterior Fossa Decompression With Or Without Duroplasty For Scoliosis Associated With Chiari Malformation With Syringomyelia

Brooke Sadler, PhD

3:23-3:29 pm

26. Perioperative Hypothermia In Pediatric Spinal Deformity Surgery: A Quality Improvement Initiative With Sustained Results

Dianne Seibold, RN, BSN, CNOR

3:30-3:36 pm

- 27. Defining the Role of the Condylar Sagittal Vertical Alignment in Chiari I Malformation

Vijay Mysore Ravindra, MD

3:37-3:43 pm

- 28. A Clinical And Radiographic Study of Pediatric Os Odontoideum: Use of MRI And Dynamic Radiographs in Evaluation

Luke George Foley Smith, MD

3:44-3:50 pm

Discussion Session—Abstract Group 7

Abstract Group 8: Technical Advances

3:51-3:57 pm

- 29. Cerebrospinal Fluid Cytokine Biomarker Diversity in Pediatric Hydrocephalus

Mohamed Ahmed Zaazoue, MB Bch

3:58-4:04 pm


30. Therapeutic Implications Of Infusate Molecular Weight In Targeting Diffuse Intrinsic Pontine Glioma By Convection Enhanced Delivery.

David John Daniels, MD, PhD, FAANS




ANNUAL MEETING PROGRAM SCHEDULE

4:05-4:11 pm

-  **31. Indwelling Neurosurgical Devices: Improving Caregivers' Understanding of Electrocautery and MRI Recommendations**
Jeffrey Steven Raskin, MD

4:12-4:18 pm

-  **32. Automated Robotic Log Analysis Defines Efficiency of Pediatric Robotic SEEG Procedures**
Jonathon J. Parker, MD, PhD

4:19-4:25 pm

Discussion Session—Abstract Group 8

4:26-4:29 pm

Announcements

4:30-4:44 pm

AANS/CNS Section on Pediatric Neurological Surgery Annual Business Meeting
Location: Arizona Ballroom

4:45-4:59 pm

AAP/SONS Business Meeting
Location: Arizona Ballroom

5-6 pm

Wine and Cheese Reception
Location: Vaquero Ballroom

SATURDAY, DEC. 7

7 am-5 pm

Registration Desk
Location: Vaquero Registration East

7:15 am-3:30 pm

Exhibit Hall Open
Location: Vaquero Ballroom

7 am-4 pm

Speaker Ready Room
Location: Hyatt Boardroom

7:15 am-8 am

Continental Breakfast in the Exhibit Hall
Neuro Zone: Mentor Connection
Location: Vaquero Ballroom

8-9:56 am

SCIENTIFIC SESSION V
Location: Arizona Ballroom
Moderators
Annie Drapeau, MD, FAANS
Gregory G. Heuer, MD

8-8:05 am

2020 Salt Lake City Meeting Preview
Douglas L. Brockmeyer, MD, FAANS

Abstract Group 9: Hydrocephalus 2

8:06-8:12 am

33. Head Circumference Growth Trends in Patients Born with Myelomeningocele: What is Happening?
Isaac Shamblin


ANNUAL MEETING PROGRAM SCHEDULE

8:13-8:19 am

34. Brain Growth and Developmental Outcome After Treatment of Post infectious Hydrocephalus in Infants in Uganda


Abhaya Vivek Kulkarni, MD, FAANS, FRCS (Canada)

8:20-8:26 am

 **35. Initial Outcomes of Endoscopic Third Ventriculostomy with Choroid Plexus Coagulation (ETV+CPC) in Vietnam**

Jacob Richard Lepard, MD

8:27-8:33 am

 **36. Endoscopic Third Ventriculostomy With Choroid Plexus Cauterization For Treatment Of Hydrocephalus In North American Children: A Cohort Study**


Emily Louise Day

8:34-8:40 am

Discussion Session—Abstract Group 9


Abstract Group 10: Neoplasm

8:41-8:47 am

 **37. Management of Pediatric Skull Base Chordoma in the Endoscopic Endonasal Era**


Michael M. McDowell, MD

8:48-8:54 am

 **38. Effect of Dual Treatment with Low Grade Radiation (LDR) with 4 1BB Monoclonal Antibody on Group 3 Medulloblastoma and Surrounding Tissue in a Murine Model**


Mohammed Alshareef, MD

8:55-9:01 am

 **39. Cracking the Histone Code: Revealing Therapeutic Epigenetic Targets through Histone H3 Tail Analysis of Diffuse Intrinsic Pontine Glioma**

Daphne Li, MD

9:02-9:08 am

 **40. Analysis of Pediatric Craniopharyngioma Admissions in the United States Utilizing the Kids Inpatients Database (KID): Predictors of Discharge Disposition**

Mohammed Fouda, MD

9:09-9:15 am

Discussion Session—Abstract Group 10

9:16-9:56 am

AAP/SONS Lecture: Promise and Perils of Liquid Biopsy in Pediatric Brain Tumor Care

Michael E. Berens, PhD

9:57-10:27 am

Beverage Break in the Exhibit Hall

Neuro Zone: Continue the Conversation with the AAP/SONS Lecturer, Michael Berens, PhD

Location: Vaquero Ballroom

10:28-11:46 am

SCIENTIFIC SESSION VI

Location: Arizona Ballroom

Moderators

Allyson L. Alexander, MD, PhD

Peter Anthony Chiarelli, MD

10:28-10:36 am

A Legacy's Perspective: A Neurosurgeon's Education

Marion L. Walker, MD, FAANS(L)

ANNUAL MEETING PROGRAM SCHEDULE

Abstract Group 11: Functional Neurosurgery

10:37-10:43 am

41. FOCUSED ULTRASOUND SURGERY FOR EPILEPSY

Travis S. Tierney, MD, PhD, FAANS

10:44-10:50 am

42. A Pilot Study Of An Opioid Reducing Pain Protocol After Selective Dorsal Rhizotomy

Manish N. Shah, MD, FAANS

10:51-10:57 am

43. Generating Patient Based Models of Neurodevelopmental Epileptic Disorders

Whitney Parker, MD

10:58-11:04 am

44. Differential expression of critical neuroinflammation and cell cell junction related proteins in the cerebrospinal fluid of preterm infants with Posthemorrhagic hydrocephalus

Albert Isaacs, MD (Canada)

11:05-11:11 am

Discussion Session—Abstract Group 11

Abstract Group 12: Technical Advances

11:12-11:18 am

45. The Initial Implementation of the Intersurgeon Online Matching Platform: Evolving Trends in International Neurosurgical Collaboration

Jacob Richard Lepard, MD

11:19-11:25 am

46. Endoscopic Internal Orbital Frontal Advancement: Experience with 100 Patients

David F. Jimenez, MD, FAANS, FACS

11:26-11:32 am

47. Validation Of Non Invasive, Bedside Measurements Of Intracranial Pressure In Neonatal Hydrocephalus

Tracy Ma Flanders, MD

11:33-11:39 am

48. Intraventricular Hemorrhage Induces Rapid Intracellular Signaling In The Choroid Plexus And Chronic Changes In CSF Reabsorption

Cameron Sadegh, MD

11:40-11:46 am

Discussion Session—Abstract Group 12

11:47 am-12:47 pm

Lunch in the Exhibit Hall

Location: Vaquero Ballroom

12:48-1:18 pm

Poster Viewing – Authors Stationed at their Posters for Q&A

Location: Arizona Ballroom

1:19-2:20 pm

SCIENTIFIC SESSION VII

Location: Arizona Ballroom

Moderators

James A. Botros, MD

Suresh N. Magge, MD, FAANS


1:19-1:20 pm

Poster Awards Announced

Mark D. Krieger, MD, FAANS

ANNUAL MEETING PROGRAM SCHEDULE

Abstract Group 13: Developmental Topics

 1:21-1:27 pm

49. Definitive Human Brain Volume

Growth Curves

Mallory Peterson

 1:28-1:34 pm

50. Clinical Signs and Not Complex Craniovertebral Radiological Measures Drive Occipital Cervical Fusion in Chiari I Malformation with Syringomyelia

Gabrielle Johnson

1:35-1:41 pm

51. Stereolithography and Virtual Modeling for Preoperative Planning in Craniopagus Deformity

Andrew J. Kobets, MD

1:42-1:48 pm

52. Use of Tranexamic Acid With Subcutaneous Injection Of Epinephrine and Triamcinolone Reduces Blood Loss, Transfusion

Laurie Lynn Ackerman, MD, FAANS

1:49-1:55 pm

Discussion Session—Abstract Group 13

1:56-1:57 pm

Introduction: 2018 Collaborative Research Proposal Updates

Chevis Shannon, MBA, MPH, DrPH

1:58-2:03 pm

Cerebral Revascularization in Sickle Cell Disease with Moyamoya Syndrome

Philipp R. Aldana, MD, FAANS

2:04-2:09 pm

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

David Delmar Limbrick Jr., MD, PhD,
FAANS

2:10-2:15 pm

Neural Network Organization in Focal Cortical Dysplasia Epilepsy

Raheel Ahmed, MD, FAANS

2:16-2:20 pm

Question and Answer Session

2:21-2:51 pm

Beverage Break in the Exhibit Hall

Neuro Zone: Continue the Conversation with the Presenters of the Collaborative Research Proposals and Raffle Prize Drawing

Location: Vaquero Ballroom

2:52-4:37 pm

SCIENTIFIC SESSION VIII

Location: Arizona Ballroom

Moderators

Christopher Michael Bonfield, MD, FAANS
Toba N. Niazi, MD, FAANS

2:52-3:27 pm

International Pediatric Neurosurgery: Opportunities and Tips for Success

Moderator

William Harkness, MD (United Kingdom)

Panelists

James M. Johnston Jr., MD, FAANS
Sandi K. Lam, MD, FAANS
John Ragheb, MD, FAANS

ANNUAL MEETING PROGRAM SCHEDULE

Abstract Group 14: Trauma

3:28-3:34 pm

53. Admission Trends in Pediatric Isolated Linear Skull Fractures Across the United States


Rebecca Anne Reynolds, MD

3:35-3:41 pm

 54. Evaluation Of Pediatric Concussion Is Improved By Fellowship Training Background

Weston Northam, MD

3:42-3:48 pm

 55. Improving Discharge Readiness After A Concussion Diagnosis In The Pediatric Emergency Department

Aaron Michael Yengo Kahn, MD

3:49-3:55 pm

56. Comparison of Autografts vs. Allografts in the Surgical Repair of Pediatric Obstetrical Brachial Plexus Injuries


P. David Adelson, MD, FAANS

3:56-4:02 pm

Discussion Session—Abstract Group 14

Abstract Group 15: Topics in Neurosurgical Care

4:03-4:09 pm

 57. Incidence Of Post Traumatic Stress Disorder in Neurosurgical Caregivers Of Pediatric Patients

Wendy Beaudoin (Canada)

4:10-4:16 pm

58. Evaluating Neurosurgical Residency Exposure to Pediatric Cases Across 71 U.S. Residency Programs

Paul Klimo, Jr., MD, FAANS

4:17-4:23 pm

59. A Comparison of the Most Cited Literature in Pediatric Neurosurgery, Pediatric Surgery, and General Pediatrics

Kimberly Anne Major

4:24-4:30 pm

60. Utilizing Nurse Practitioners to Facilitate Bedside Nursing Involvement in Multidisciplinary rounds: 6 Month Review

Elisha Peregino, RN, MS, CRNP PNP-AC, HTPA

4:31-4:37 pm

Discussion Session—Abstract Group 15

SUNDAY, DEC. 8

7-11 am

Registration Desk

Location: Vaquero Registration East

7:15-8 am

Continental Breakfast

Location: Arizona Ballroom Foyer

7-11 am

Speaker Ready Room

Location: Hyatt Boardroom

8-9:34 am

SCIENTIFIC SESSION IX

Location: Arizona Ballroom

Moderators

Brandon G. Rocque, MD, MS, FAANS

Manish N. Shah, MD, FAANS

ANNUAL MEETING PROGRAM SCHEDULE

8-8:08 am

**A Legacy's Perspective:
The Clinical Life**

J. Gordon McComb, MD, FAANS(L)


Abstract Group 16: Neoplasm

8:09-8:15 am

-  **61. Automatic Detection and Classification of Pediatric Posterior Fossa Tumors on Magnetic Resonance Imaging Using Deep Learning**


Jennifer Lauren Quon, MD

8:16-8:22 am

-  **62. Comparison of Multi Modal Surgical and Radiation Treatment Methods for Pediatric Craniopharyngioma: Long Term Analysis of Progression Free Survival and Morbidity**

Vijay Mysore Ravindra, MD

8:23-8:29 am

-  **63. Image Guided Convection Enhanced Delivery of a PET Imageable HDAC Inhibitor Leads to Improved Survival in DIPG Models**

Umberto Tosi

8:30-8:36 am

64. Safety Of Immediate Use Of Non Steroidal Anti Inflammatory Drugs After Pediatric Craniotomy For Tumor


Cody Lee Nesvick, MD

8:37-8:43 am

Discussion Session—Abstract Group 16


Abstract Group 17: Vascular

8:44-8:50 am

-  **65. Establishing A Neonatal Murine Germinal Matrix Hemorrhage Model to Investigate the Role of Complement During the Secondary Injury Phase and Post hemorrhagic Gliosis**


Mohammed Alshareef, MD

8:51-8:57 am

-  **66. A Role for Inflammation: TLR 4 mediated Cerebrospinal Fluid Hypersecretion in Post hemorrhagic and Post infectiomy Hydrocephalus**

Jason Karimy

8:58-9:04 am

-  **67. Evaluation and Treatment of Children with Radiation Induced Cerebral Vasculopathy**

David S. Hersh, MD

9-9:11 am

68. Mutations in EphrinB2 EphB4 RASA1 Signaling Underlie Vein of Galen Malformation

Benjamin C Reeves

9:12-9:18 am

Discussion Session—Abstract Group 17

9:19-9:34 am

Products to Market: Lessons Learned
Samuel R. Browd, MD, PhD, FAANS

9:35-10:05 am

Beverage Break in Foyer

Location: Arizona Ballroom Foyer

ANNUAL MEETING PROGRAM SCHEDULE

10:06-11:14 am

SCIENTIFIC SESSION X

Location: Arizona Ballroom


Moderators

Jennifer Sachiko Ronecker, MD

Jesse Lee Winer, MD, FAANS


Abstract Group 18: Spine

10:06-10:12 am

-  69. A Non Sedated Rapid Spine MRI Protocol In Pediatric Patients

Jordan I. Gewirtz

10:13-10:19 am

-  70. Indications And Prevalence For Pediatric Simple Tethered Spinal Cord Releases: Review Of A Large Single Pediatric Neurosurgical Institution

Emily Louise Day

10:20-10:26 am

71. Proximal Junctional Kyphosis after Neuromuscular Scoliosis Deformity Correction

Steven W. Hwang, MD, FAANS

10:27-10:33 am

72. Crossing the Cervicothoracic Junction in Complex Pediatric Deformity Using Anterior Cervical Discectomy and Fusion

Brandon J. Toll

10:34-10:40 am

Discussion Session—Abstract Group 18

Abstract Group 19: Hydrocephalus 3

10:41-10:47 am

73. Fetal Endoscopic Third Ventriculostomy for Induced Congenital Hydrocephalus in Sheep Model

Soner Duru, MD

10:48-10:54 am

74. Machine Learning Predicts Cerebrospinal Fluid Shunt Failure in Children: A Study From the Hydrocephalus Clinical Research Network

Andrew Hale

10:55-11:01 am

75. Glial Scar Formation And Concomitant Glymphatic Impairment In The Hydrocephalic Brain

Joseph Tyler Vasas

11:02-11:08 am

Discussion Session—Abstract Group 19

11:09-11:12 am

- Announcement of the Hydrocephalus, Shulman and APP/SONS Award Recipients

Mark D. Krieger, MD, FAANS

11:13-11:14 am

Closing Remarks

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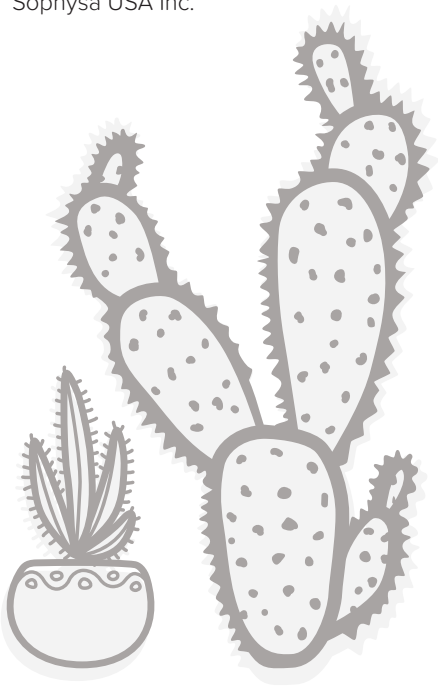
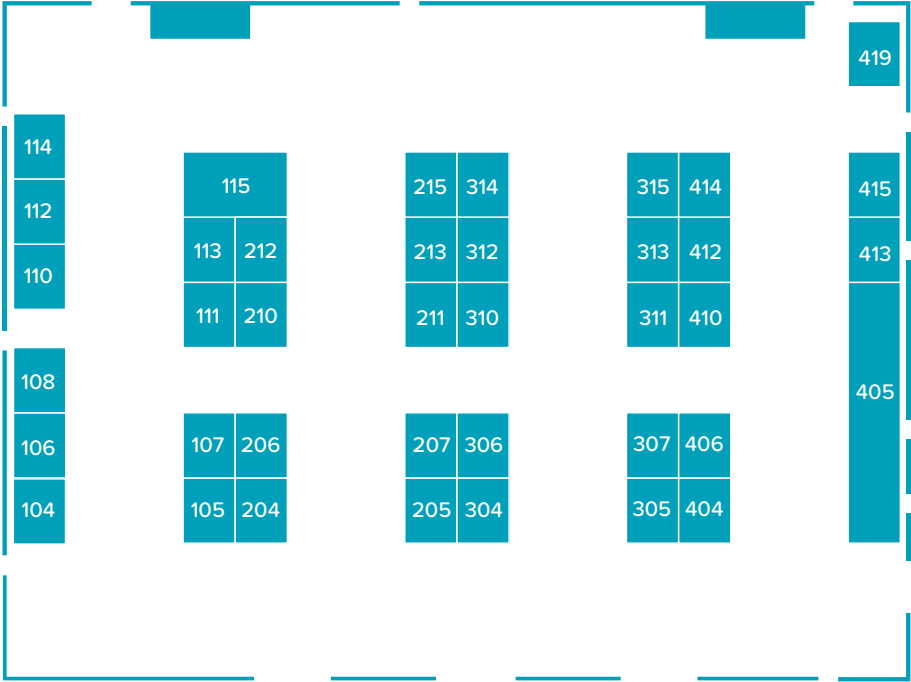


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