

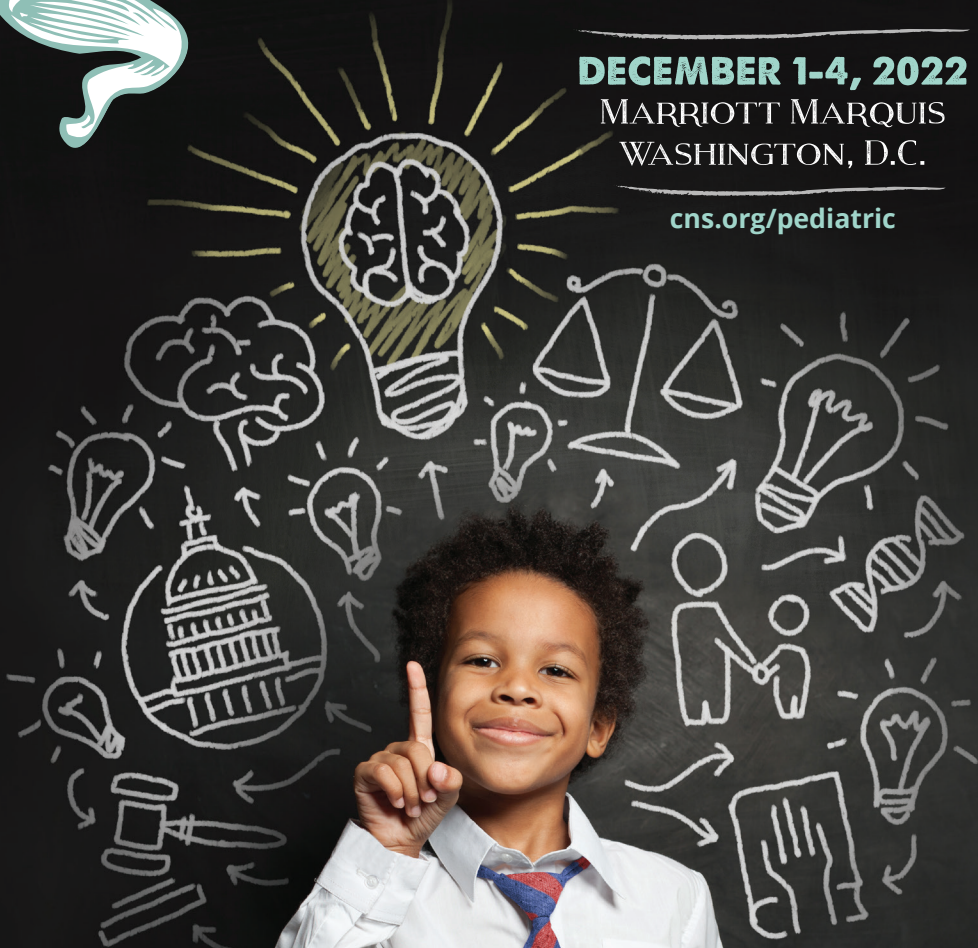
51ST ANNUAL MEETING OF THE JOINT SECTION ON
PEDIATRIC NEUROLOGICAL SURGERY

E PLURIBUS UNUM

ADVOCACY, HEALTH CARE POLICY AND THE FUTURE OF PEDIATRIC NEUROSURGERY

DECEMBER 1-4, 2022
MARRIOTT MARQUIS
WASHINGTON, D.C.

cns.org/pediatric



The 51st Annual Meeting is jointly provided by the Congress of Neurological Surgeons and the AANS/CNS Section on Pediatric Neurological Surgery



Congress of Neurological Surgeons

SCIENTIFIC PROGRAM GUIDE

CONTINUING MEDICAL EDUCATION



THE JOINT SECTION MISSION & PROGRAM PURPOSE

The objectives of the Section shall be to enhance and assure the advancement of the subspecialty of pediatric neurosurgery by:

- Serving as a forum for the intimate exchange of ideas and information among a group of neurological surgeons whose interests are directed towards the infant and child.
- Serving as a vehicle through which the Board of Directors of the AANS and the Executive Committee of the CNS can be apprised of the activities and the advances in the subspecialty of pediatric neurosurgery.
- Serving as a resource for the Board of Directors of the AANS and the Executive Committee of the CNS for conducting special studies and proposing solutions to problems in pediatric neurosurgery when directed to do so.
- Service as a section to assist the AANS and CNS to advance education, research, and patient care in the area of pediatric neurosurgery.

Upon completion of this CME activity, participants should be able to:

- Discuss new clinical updates and scientific research regarding tumor, epilepsy, congenital, and traumatic pediatric neurosurgical conditions.
- Recognize innovative research conducted by pediatric neurosurgical fellows.
- Discuss the concept of precision medicine and how it applies to pediatric neurosurgery.

ACCME 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 provider ship of the Congress of Neurological Surgeons and AANS/CNS Section on Pediatric Neurological Surgery. The Congress of Neurological Surgeons is accredited by the ACCME to provide continuing medical education for physicians.



For full details visit
cns.org/pediatric

AMA Credit Designation Statement

The CNS designates this live activity for a maximum of **24 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



Disclosures

The Congress of Neurological Surgeons controls the content and production of this CME activity and attempts to assure the presentation of balanced, objective information. In accordance with the Standards for Integrity and Independence in Accredited Continuing Education established by the Accreditation Council for Continuing Medical Education

(ACCME), speakers are asked to disclose all relationships they have with ineligible companies* over the previous 24 months which may be related to the content of their lecture. Speakers who have disclosed a relationship with an ineligible company whose products may have relevance to their presentation will be listed for viewing before the event.

A list of financial disclosures relevant to the meeting is posted on the meeting's web page and app.



GENERAL INFORMATION

Disclaimer

The material presented at the any Joint Section on Pediatric Neurological Surgery Meeting has been made available by the Joint Section for educational purposes only. These materials are not intended to represent the only, nor necessarily the best method or procedure appropriate for the medical situations discussed, but rather are intended to present an approach, view, statement, or opinion of the faculty, which may be helpful to others who face similar situations.

All drugs and medical devices used in the United States are administered in accordance with the Food and Drug Administration (FDA) regulations. These regulations vary depending on the risks associated with the drug or medical devices compared to products already on the market, and the scope of the clinical data available.

Some drugs and medical devices demonstrated or described within the print publications of the any Joint Section on Pediatric Neurological Surgery Meeting have FDA clearance for use for specific purposes or for use only in restricted research settings. The FDA has stated that it is the responsibility of the physician to determine the FDA status of each drug or device he or she wants to use in compliance with applicable laws.

Neither the content (written or oral) of any course, seminar, or other presentation in the program, nor the use of a specific product in conjunction therewith, nor the exhibition of any materials by any parties coincident with the program, should be construed as indicating endorsement or approval of the views presented, the products used, or the materials exhibited by the any Joint Section on Pediatric Neurological Surgery Meeting, or by its committees, commissions or affiliates.

Abstract and Poster Presentations

Poster presenters are available to answer questions on Saturday, 12:00-1:00 pm. View posters and visit with presenters in Salon 12/13. Top 10 Posters are available for viewing throughout the meeting.

Attire

Professional attire is appropriate for the meeting and for the Exhibit Hall.

Meeting App

Conveniently manage your schedule, browse program content, and keep up with what's going on.



Log in with event code: **PEDS22**

Neuro Corner

Visit the Neuro Corner in the Exhibit Hall during breaks and lunches to enjoy short presentations and engaging conversations with speakers. This is a great opportunity for residents, fellows, and medical students to engage with leadership and network with peers.



GENERAL INFORMATION



Registration

Marquis Foyer - Meeting Level 2

Thursday, December 1	7:00 am-5:00 pm
Friday, December 2	7:00 am-7:00 pm
Saturday, December 3.....	7:00 am-6:00 pm
Sunday, December 4	7:00 am-12:00 pm

Speaker Ready Room

Marquis Salon 15 - Meeting Level 2

Thursday, December 1	7:00 am-5:30 pm
Friday, December 2	7:00 am-6:00 pm
Saturday, December 3.....	7:00 am-6:30 pm
Sunday, December 4	7:00 am-12:00 pm

All speakers and abstract presenters should visit the Speaker Ready Room at least one hour prior to their presentation.



Wi-Fi Service

Complimentary Wi-Fi access is available in all meeting spaces.

Network:

MarriottBonvoy_Conference

Passcode: **Peds2022**

NETWORKING EVENTS

Thursday, December 1

6:00-7:30 pm

Opening Reception

Join us for the opening reception at the Marriott Marquis Lounge on the Mezzanine Foyer level of the hotel. Reconnect with colleagues and friends while enjoying cocktails and hors d'oeuvres.

Sponsored by Medtronic

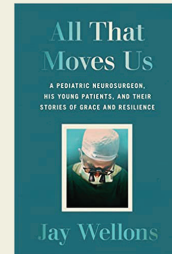


Friday, December 2

5:20-5:30 pm

Jay Wellons Book Reading

All That Moves Us: A Pediatric Neurosurgeon, His Young Patients, and Their Stories of Grace and Resilience. Don't miss the opportunity to meet Dr. Jay Wellons and get a signed copy of his book during the Wine and Cheese Reception in the Exhibit Hall.



5:30-7:00 pm

Wine and Cheese Reception

Enjoy some time with friends and colleagues during this networking event in the Exhibit Hall.



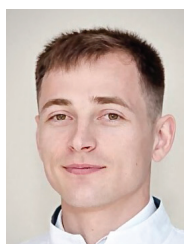
GENERAL INFORMATION

SPECIAL SPEAKERS

Scientific Session I

Friday, December 2 • 8:45-9:05 am
Marquis Salon 6

Pediatric Neurosurgery Service in Ukraine Before and During War



Yurii Perekopaiko

Adult and Pediatric Neurosurgeon
National Cancer Institute
Kyiv, Ukraine

After finishing Bogomolets National Medical University in 2012, Yurii Perekopaiko started his three-year Neurosurgery Residency Program in Kyiv Regional Hospital. He was involved in the Neurosurgery Fellowship Program in the Main Military Clinical Hospital in Kyiv (NATO role 4) and provided care to the wounded in Eastern Ukraine. He earned his PhD degree at the National Healthcare University in Kyiv and parallel worked in the private hospital as a consultant. He completed his one-year Fellowship in Pediatric Neurosurgery at the Dana Dwek Children's Hospital, in Tel Aviv, Israel. In 2022, Perekopaiko provided neurosurgery care for wounded adults and children during the Russian-Ukraine War. Currently he is working in the Neurosurgery Department at The National Cancer Institute in Kyiv, Ukraine.

Scientific Session VII

Saturday, December 3 • 1:05-1:50 pm
Marquis Salon 6

What Have We Truly Accomplished in Treatment of Tumors/Future/End of Knife?



Roger J. Packer

Senior Vice-President,
Center for Neuroscience
and Behavioral Medicine
Children's National
Hospital
Washington, D.C.

Roger J. Packer is Senior Vice-President, Center for Neuroscience and Behavioral Medicine, the Gilbert Distinguished Professor of Neurofibromatosis, and Director of both the Gilbert Neurofibromatosis Institute and the Brain Tumor Institute of Children's National Hospital (CNH), Washington, DC. He is Professor of Neurology and Pediatrics at The George Washington University. His clinical research has touched on various aspects of child neurology and neuro-oncology, including pediatric brain tumors, neurofibromatosis type 1, and the neurologic aspects of childhood neurogenetic diseases. Presently, Packer is Chair of the PBTC Low-Grade Glioma Committee; Principal Investigator (CNH) of the Neurofibromatosis Clinical Trials Consortium; Chair of the Medulloblastoma Committee of the Children's Oncology Group; and co-chair of the Brain Malignancy Steering Committee (NCI). He has published over 450 original articles and 380 reviews and chapters.

MEETING AGENDA

THURSDAY, DECEMBER 1



THURSDAY, DECEMBER 1

1:00-4:00 pm

AANS/CNS Pediatric Section Executive Committee Meeting

Marquis Salon 9-10

12:00-5:20 pm

Fellows Bootcamp

Marquis Salon 7-8

12:00-1:00 pm

Fellows Bootcamp Lunch

1:00 - 1:05 pm

Introduction

Douglas L. Brockmeyer

1:05-1:20 pm

How to Create a Successful Academic
Career

David D. Limbrick

1:20-1:40 pm

How to Create a Successful Private
Career

David P. Gruber

1:40-2:00 pm

Medicolegal Issues: Staying Out of
Trouble

Jeffrey R. Leonard

2:00-2:20 pm

Medicolegal Issues: Navigating the
System

Robert F. Keating

2:20-2:30 pm

Break

2:30-2:50 pm

Update on Fetal Surgery

Daniel Donoho

2:50-3:10 pm

Important Topics in ABPNS Board
Certification

Ian F. Pollack

3:10-3:30 pm

Understanding Urodynamics

Briony Varda

3:30-3:50 pm

Coding Basics

Mark R. Proctor

3:50-4:00 pm

Break

4:00-4:20 pm

The Pros and Cons of Getting an MBA

Sandi Lam

4:20-4:40 pm

Bias, Ethics, Diversity and Inclusion

Susan R. Durham

4:40-5:00 pm

International Work

Brandon G. Rocque

5:00-5:20 pm

Pediatric Spine: Ortho/Neuro Issues

Richard C.E. Anderson

12:00-4:05 pm

Advanced Practice Provider's Meeting

Please visit the registration desk if you have not registered for this meeting and would like to attend.

University of DC/Catholic University Rooms

12:00-12:10 pm

Introduction

Robert F. Keating, Haley Vance

12:10-12:30 pm

The Scope of Practice of an APP in
Pediatric Neurosurgery at Children's
National

Stephanie Gurevich, Kerri Thorn

12:30-1:00 pm

Correlating the Radiographic Picture to
the Clinical Signs and Symptoms of the
Pediatric Patient

John Myseros



MEETING AGENDA

THURSDAY, DECEMBER 1

1:00–1:20 pm

**Innovation in Pediatric Functional
Neurosurgery**

Chima Oluigbo

1:20–1:40 pm

Methodical Radiology Review

Jason L. Schroeder

1:40–2:00 pm

**Pediatric Spine Injuries and Emergent
Treatment; Including Congenital**

Hasan R. Syed

2:00–2:20 pm

**Common Pediatric Neurosurgical
Issues-Where Are We Today?**

Robert F. Keating

2:20–2:30 pm

Break

2:30–2:45 pm

New innovations in NSG-HIFU

Robert F. Keating

2:50–3:05 pm

Vascular Injuries/Treatment

Hasan R. Syed

3:05–3:25 pm

ICU management of TBI

Marisa Mize

3:25–3:45 pm

**The Complex Shunt Patient: A Case
Study**

Daniel Donoho

3:45–4:05 pm

QI in Neurosurgery: APP Role

Amit Kumar Saha

3:00-4:00 pm

**International Collaborative/Section
Meeting**

Chris Bonfield, Samer K. Elbabaa,

Caitlin Hoffman, Eylem Ocal

Marquis Salon 14

4:00-5:00 pm

Education Committee Meeting

Marquis Salon 9-10

6:00-7:30 pm

Opening Reception

Mezzanine Foyer



MEETING AGENDA

FRIDAY, DECEMBER 2



FRIDAY, DECEMBER 2

7:00-8:00 am

Complimentary Breakfast

Marquis Salon 6 Foyer

8:00-10:00 am

SCIENTIFIC SESSION I:

Global Pediatric Considerations and Future Directions

MODERATORS: *Frederick Boop, John Ragheb*
Marquis Salon 6

8:00-8:05 am

Welcome and Opening Remarks

Robert F. Keating

8:05-8:10 am

Chair of Pediatric Section Address

Bermans Iskandar

8:10-8:40 am

KEYNOTE SPEAKER

Past and Future Challenges for Diversity in the Health Care Environment

Wayne A. I. Frederick
President of Howard University

8:40-8:45 am

Question and Answer

8:45-9:05 am

KEYNOTE INTERNATIONAL SPEAKER

Pediatric Neurosurgery in Ukraine Before and During the War

Yurii Perekopaiko, Kiev, Ukraine

9:05-9:15 am

Where is the World Today with Folic Acid and Reduction of Neural Tube Defects

Gail Rosseau

9:15-10:00 am

International Roundtable Discussion on the Challenges for Local/Regional Pediatric Neurosurgery

Mohammed El Beltagy, Anthony Figaji, Wan Tew Seow

9:30 am-7:00 pm

Exhibit Hall

Marquis Salon 1-5

10:00-10:35 am

Beverage Break in the Exhibit Hall

Neuro Corner: Pediatric Fellows Gathering
Marquis Salon 3-5

10:35 am-12:00 pm

SCIENTIFIC SESSION II:

Hydrocephalus/Basic Science

MODERATORS: *Paul Kanev, Carolyn Quinsey*
Marquis Salon 6

10:35-10:45 am

Point/Counterpoint: The Application of ETV/CPH Has Stood the Test of Time

Jay Riva Cambrin, Abhaya Kulkarni

10:45-11:05 am

History of Hydrocephalus

Marion Walker

11:05-11:10 am

EVIDENCE-BASED MEDICINE BEST PAPERS

The Low Utility of Routine Cranial Imaging After Pediatric Shunt Revision

Mark R. Proctor

11:10 am-12:00 pm

Oral Abstract Presentation Session 1: Hydrocephalus/Basic Science

11:10-11:16 am

Miniaturized Microfluidic Chip with ICP Control Valve for Hydrocephalus Treatment

Seunghyun Lee

11:17-11:23 am

Clinical Effectiveness of Routine Brain Imaging in Asymptomatic Patients with Shunted Hydrocephalus

Casey Madura

11:24-11:30 am

Re-evaluation of ETV Success Score in Children with Hydrocephalus: Multicentered Cohort Study of Clinical Research Network

Leonard Verhey



MEETING AGENDA

FRIDAY, DECEMBER 2

11:31-11:37 am

Papilledema in Pediatric Middle Cranial Fossa Arachnoid Cysts: Report of 48 Cases from a Single Institution

Joanna Papadakis

11:38-11:44 am

Influence of the COVID-19 Pandemic on Incidence of CSF Diversion Procedures for Hydrocephalus: Nationally Representative Multi-Center Study

Paige Lundy

11:45-11:51 am

Predictors and Time Course for Hydrocephalus Development in Patients Undergoing Prenatal vs. Postnatal Treatment for MMC

Sasidhar Karuparti

11:52 am-12:00 pm

Discussion

12:00-1:00 pm

Complimentary Lunch in the Exhibit Hall

Marquis Salon 3-5

12:00-1:00 pm

LUNCHEON SEMINAR 1:

Avoiding and Managing Complications – Lessons Learned: For Young and Old Neurosurgeons

MODERATOR: *Jennifer Strahle*

SPEAKERS: *Frederick A. Boop, W. Jerry Oakes, Tadanori Tomita, Howard L. Weiner*

Marquis Salon 7-8

12:00-1:00 pm

LUNCHEON SEMINAR 2:

Basic Science/NIH Symposium – Part 1

MODERATORS: *David J. Daniels, Virendra R. Desai, Hasan R. Syed*

SPEAKER: *Stephan J. Korn*

Marquis Salon 9-10

1:00-3:00 pm

SCIENTIFIC SESSION III:

Epilepsy/Neuromodulation/Basic Science

MODERATORS: *Michael H. Handler, Zulma S. Tovar-Spinoza*

Marquis Salon 6

1:00-1:30 pm

KEYNOTE SPEAKER

Future Avenues for Neuromodulation/Brain Computer Interface/AI

George Ibrahim

1:30-1:45 pm

Point/Counterpoint: Is There a Future for Open Epilepsy Surgery?

Chima Oluigbo, John Ragheb

1:45-1:50 pm

EVIDENCE-BASED MEDICINE BEST PAPERS

Responsive Neurostimulation Device Therapy in Pediatric Patients with Complex Medically Refractory Epilepsy

Jesse Skoch

1:50-3:00 pm

Oral Abstract Presentation Session 2:

Epilepsy/Neuromodulation/Basic Science

1:50-1:56 pm

Functional Hemispherectomy Outcomes and Complications: The 35-Year Experience at the Hospital for Sick Children

Jennifer Quon

1:57-2:03 pm

Access to Epilepsy Surgery by Children from the Developing World: Advancing the Policy Framework and Implementation Science

Kevin Paul Ferraris

2:04-2:10 pm

MRI-guided Laser Interstitial Thermal Therapy for Complete Corpus Callosotomy (MRIGLITT-CC) in Pediatric Patients: Single Institution Outcomes

Jonathan Pindrik

MEETING AGENDA

FRIDAY, DECEMBER 2



2:11-2:17 pm

National 20 Year Epilepsy Surgery Landscape Shows the Rise of Open and Minimally Invasive Pediatric Epilepsy Surgery

Meena Vessell

2:18-2:24 pm

Yearly Trends in LITT vs Open Surgery for Intractable Epilepsy in Pediatric Patients: A Nationwide Analysis

Sima Vazquez

2:25-2:31 pm

Incidence and Prediction of Hydrocephalus Following Hemispherectomy for Epilepsy in 329 Pediatric Patients

Akshay Sharma

2:32-2:38 pm

Payor Type Predicts Time to Neurosurgical Consult and Surgery From Diagnosis of Lesional Target in Pediatric Drug Resistant Epilepsy

Grace Lai

2:39-2:45 pm

Comparison of Outcomes After SEEG and Subdural Grid Monitoring in Pediatric Tuberous Sclerosis Complex

Thomas Larrew

2:46-2:52 pm

Surgical Outcomes of Corpus Callosotomy for Pediatric Epilepsy

Rebecca Reynolds

2:53-3:00 pm

Discussion

3:00-3:35 pm

Beverage Break in the Exhibit Hall

Neuro Corner: Pediatric Fellows Gathering
Marquis Salon 3-5

3:35-5:20 pm

SCIENTIFIC SESSION IV:

Dysraphism/Fetal

MODERATORS: *Robin M. Bowman,*

Gregory G. Heuer

Marquis Salon 6

3:35-4:05 pm

KEYNOTE SPEAKER

Where Are We Today with Fetal Repair/
Future Directions?

Samer K. Elbabaa

4:05-4:15 pm

Point/Counterpoint: Is Fetal Repair
Worth It: Do the Long-Term Outcomes
Outweigh the Risks?

Robin M. Bowman, Matthew Whitehead

4:15-4:20 pm

EVIDENCE-BASED MEDICINE BEST PAPERS

Comparison of Intrathecal Baclofen Pump
Insertion and Selective Dorsal Rhizotomy
for Nonambulatory Children with
Predominantly Spastic Cerebral Palsy

Jennifer L. Quon

4:20-5:05 pm

Oral Abstract Presentation Session 3:
Dysraphism/Fetal

4:20-4:26 pm

Fetoscopic, Three-Miniport Technique
for Prenatal Myelomeningocele
Repair: Technical Evolution and
Outcomes in 60 Consecutive Cases

Amanda Kwasnicki

4:27-4:33 pm

Neurosurgical Outcomes in Fetal
Spina Bifida Repair: A Comparison of
Fetoscopic, Open Fetal, and Postnatal
Approaches at a Single Institution

Melissa LoPresti



MEETING AGENDA

FRIDAY, DECEMBER 2

4:34-4:40 pm

Sexual Health and Experiences
Among Patients with Spina Bifida: A
Cross-Sectional Survey at a Tertiary
Transitional Spina Bifida Center

Suzannah Rogers

4:41-4:47 pm

Presentation, Treatment Outcomes
and Referral Patterns of Neural Tube
Defects in Southwestern Uganda

Maria Punchak

4:48-4:54 pm

“Inappropriate” Spinal Ultrasounds
for Suspected Occult Spinal
Dysraphism

Nicholas Sader

4:55-5:01 pm

National Trends in Postnatal
Myelomeningocele Repair Before and
After the MOMS Trial

Belinda Shao

5:02-5:05 pm

Discussion

5:05-5:20 pm

Challenges and Advocacy for Adult
Transition

Jeffrey P. Blount

5:20-5:30 pm

Jay Wellons Book Reading

Marquis Salon 1-5

5:30-7:00 pm

**Wine and Cheese Reception and
Jay Wellons Book Signing in
Exhibit Hall**

Marquis Salon 1-5



MEETING AGENDA

SATURDAY, DECEMBER 3



SATURDAY, DECEMBER 3

7:00-8:00 am

Complimentary Breakfast

Marquis Salon 6 Foyer

8:00-10:00 am

SCIENTIFIC SESSION V:

Craniofacial/Basic Science

MODERATORS: *Amy Lee, Matthew D. Smyth*

Marquis Salon 6

8:00-8:03 am

Introduction of the Section Chair

Robert F. Keating

8:03-8:15 am

Section Chair Address

Bermans J. Iskandar

8:15-8:45 am

SONS Lecturer

Jesse Ehrenfeld

8:45-9:15 am

What Do We Know and Not Know About the Right Approach, ICP Considerations, LT Results, Cognitive Issues and The Future of CF Surgery?

Gary Rogers

9:15-9:25 am

Point/Counterpoint: Has Endoscopic Approach Demonstrated Superior Results Over the Long Run?

Mark R. Proctor, Matthew D. Smyth

9:25-10:00 am

Oral Abstract Presentation Session 4:
Craniofacial/Basic Science

9:25-9:31 am

Distinguishing Benign Metopic Ridging from Metopic Craniosynostosis Using Photograph-Based Craniometrics

Summer Xu

9:32-9:38 am

Incidence of Reoperation in Children with Craniosynostosis

Natalie Limoges

9:39-9:45 am

Differences in Timing to Presentation and Outcomes in Patients with Craniosynostosis Due to Socioeconomic Disparities

Nirali Patel

9:46-9:52 am

Craniofacial Growth and Asymmetry in Newborns: A Longitudinal 3D Assessment

Shih-Dun Liu

9:53-10:00 am

Discussion

9:30 am-3:35 pm

Exhibit Hall

Marquis Salon 1-5

10:00-10:35 am

Beverage Break in Exhibit Hall

Neuro Corner: Academic Considerations

Marquis Salon 1-5

10:35 am-12:00 pm

SCIENTIFIC SESSION VI:

Vascular/Endovascular

MODERATORS: *Sandi Lam, Phillip B. Storm*

Marquis Salon 6

10:35-11:05 am

Current Status/Future of Interventional Radiology and Pediatric Neurosurgery

Sudhakar Vadivelu

11:05-11:15 am

Point/Counterpoint: Open Vascular Surgery Will Be Obsolete in The Near Future?

Gerald A. Grant, Suresh N. Magge

11:15-11:20 am

EVIDENCE-BASED MEDICINE BEST PAPERS

Delayed Recurrence of Pediatric Arteriovenous Malformations After Radiologically Confirmed Obliteration



MEETING AGENDA

SATURDAY, DECEMBER 3

11:20 am-12:00 pm

**Oral Abstract Presentation Session 5:
Vascular/Endovascular**

11:20-11:26 am

Predictors of Hemorrhage in Pediatric Arteriovenous Malformations Before and After Stereotactic Radiosurgery

Rebecca Burke

11:27-11:33 am

Current State of Cerebrovascular Disease Epidemiology in the Global Pediatric Population

Albert Isaacs

11:34-11:40 am

Middle Meningeal Artery Embolization in the Management of Subdural Hematoma in Medically Complex Pediatric Neurosurgical Patients

Anne Coyle

11:41-11:47 am

Cerebral Angiography and Tumor Embolization in Pediatric Patients Presenting with Intraventricular Tumors

Kelsi Chesney

11:48-11:54 am

Trends in Admissions and Treatment of Cerebrovascular Malformations in Pediatric Patients

Sima Vazquez

11:55 am-12:00 pm

Discussion

12:00-1:00 pm

LUNCHEON SEMINAR 3:

State of Pediatric Neurosurgery

MODERATORS: *Daniel Donoho,*

Catherine Mazzola

Marquis Salon 7-8

12:00-12:05 pm

Hydrocephalus Outcomes in Children Among Spanish Speaking Patients at a Single Institution

Gabriela Ruiz Colon

12:06-12:11 pm

Pediatric Neurosurgical Capacity in Low- and Middle-Income Countries: A Cross-Sectional Assessment

Jordan Roach

12:12-12:17 pm

The State of Pediatric Neurosurgery Disparities Research

Sangami Pugazenthi

12:18-12:23 pm

The Pediatric Neurosurgical Workforce

Jessica Lane

12:24-12:30 pm

Discussion

12:00-1:00 pm

LUNCHEON SEMINAR 4:

Basic Science/NIH Symposium – Part 2

MODERATORS: *David J. Daniels,*

Virendra R. Desai

Marquis Salon 9-10

12:00-12:06 pm

Multi-Scale Analysis of the Transcriptional Composition of Pediatric Adamantinomatous Craniopharyngioma

Eric Prince

12:07-12:13 pm

Identifying A Mechanism for Complement-Induced Injury Following Neonatal Intraventricular Hemorrhage in a Murine Model

Mohammed Alshareef

12:14-12:20 pm

Folate-Induced Transgenerational Inheritance of Spinal Axon Regeneration Trait is Mediated by DNA Methylation in the Gamete

Joyce Koueik

MEETING AGENDA

SATURDAY, DECEMBER 3



12:21-12:27 pm

Identifying Somatic Mutations Across Epileptic Networks

H. Westley Phillips

12:28-12:34 pm

Relationships Between Immune Microenvironment, Radiological, and Genomic Factors in Pediatric Medulloblastoma

Ariana Familiar

12:35-12:41 pm

MYCN and EZH2 Inhibition Restore MHC-I Expression and T-Cell Recruitment in Murine Medulloblastoma

Taemin Oh

12:42-12:48 pm

Multi-Omics Identifies Evolutionary, Temporal, and Cell-Lineage Origin of Hydrocephalus Risk Gene

Andrew Hale

12:49-12:55 pm

Cerebrospinal Fluid Liquid Biopsy for DNA Examined with Next Generation Sequencing in Pediatric Central Nervous System Tumors: A Protocol Aimed at Neurosurgeons

Nicholas Chapman

12:56-1:00 pm

Discussion

1:00-3:00 pm

SCIENTIFIC SESSION VII:

Tumors/ Basic Science

MODERATORS: *Lissa C. Baird, Ian F. Pollack*
Marquis Salon 6

1:05-1:50 pm

RAIMONDI LECTURER

What Have We Truly Accomplished in Treatment of Tumors/Future/End of Knife?

Roger Packer

1:50-1:55 pm

EVIDENCE-BASED MEDICINE BEST PAPERS

Nonoperative Management of Childhood Calvarial Langerhans-Cell Histiocytosis

David Sanberg

1:55-3:00 pm

Oral Abstract Presentation Session 6: Tumors/Basic Science

1:55-2:01 pm

Cell-Free miRNA in Cerebrospinal Fluid and Plasma as a Diagnostic Tool for Pediatric Brain Tumors

Anne Coyle

2:02-2:08 pm

Neoadjuvant Therapy for Pineal Region Tumors Aids Safe Surgical Resection

Cameron Brimley

2:09-2:15 pm

Characterizing Neuronal Networks Implicated in Posterior Fossa Syndrome: A Lesion Network Mapping Analysis

Karim Mithani

2:16-2:22 pm

Early Experience with Targeted Therapy as a First-Line Adjuvant Treatment for Pediatric Low-Grade Glioma

Nathan Leclair

2:23-2:29 pm

Neurosurgical Treatment and Outcome of Pediatric Skull Base Lesions: A Case Series and Systematic Review of the Literature

Ladina Greuter

2:30-2:36 pm

Racial Disparities in Pediatric Malignant Glioma Management: Current State of Affairs in the United States

Victor Lu



MEETING AGENDA

SATURDAY, DECEMBER 3

2:37-2:43 pm

Is EVD Necessary? The Role of Temporary CSF Diversion for Management of Posterior Fossa Tumor Resection: A 17-year Experience at a Single Institution

Nirali Patel

2:44-2:50 pm

Endoscopic Endonasal Fenestration and Marsupialization of Cystic Pediatric Craniopharyngioma: Preserving Pituitary Function and One-Year Outcomes

Christina Sarris

2:51-3:00 pm

Discussion

3:00-3:35 pm

Beverage Break in the Exhibit Hall

Neuro Corner: Academic Considerations
Marquis Salon 1-5

3:35-5:00 pm

SCIENTIFIC SESSION VIII:

Chiari/Basic Science

MODERATORS: *Stephanie Greene,*
John Myseros

Marquis Salon 6

3:35-4:05 pm

KEYNOTE SPEAKER

What Have We Truly Learned About Chiari/Future?

Karin M. Muraszko

4:05-4:15 pm

Point/Counterpoint: To open or not to open?

Richard C. Anderson, David D. Limbrick

4:15-4:20 pm

EVIDENCE-BASED MEDICINE BEST PAPERS

Comparison of Intrathecal Baclofen Pump Insertion and Selective Dorsal Rhizotomy for Nonambulatory Children with Predominantly Spastic Cerebral Palsy

Ann Mansur

4:20-5:00 pm

Oral Abstract Presentation Session 7: Chiari/Basic Science

4:20-4:26 pm

Revision Chiari Malformation Surgery: Is Tonsillar Coagulation to Blame?

Kristen Stabingas

4:27-4:33 pm

Pre-Operative Screening Measures to Determine the Presence of an Arachnoid Veil in Chiari I Malformation

Kenneth Paik

4:34-4:40 pm

Association Between Radiographic Variables and Clinical Course in Pediatric Chiari Malformation Type I

Eric Montgomery

4:41-4:47 pm

Fourth Ventricle to Cervical Subarachnoid Space Stents for Persistent Syringomyelia Following Chiari Decompression

Rachael Han

4:48-4:54 pm

Posterior Fusion for Treatment of Pannus and Anterior Brainstem Compression in Chiari Malformation Type I

Eric Montgomery

4:55-5:00 pm

Discussion

5:00-5:30 pm

AAP Section on Neurological Surgery (SONS) Scientific Session

Marquis Salon 6

5:30-6:00 pm

Pediatric Section Annual Business Meeting

Marquis Salon 6

MEETING AGENDA

SUNDAY, DECEMBER 4



SUNDAY, DECEMBER 4

7:00-8:00 am

Complimentary Breakfast

Marquis Salon 6 Foyer

8:00-10:00 am

SCIENTIFIC SESSION IX:

Trauma/Basic Science

MODERATORS: *Douglas L. Brockmeyer,*

Mari L. Groves

Marquis Salon 6

8:00-8:30 am

KEYNOTE SPEAKER

Where Are We Today with Head Trauma/ICP Control/Non-Invasive ICP Monitoring?

P. David Adelson

8:30-8:45 am

Point/Counterpoint: Have Decompressive Craniotomies Helped?

Douglas L. Brockmeyer, John R. Kestle

8:45-8:50 am

EVIDENCE-BASED MEDICINE BEST PAPERS

Invasive Brain Tissue Oxygen and Intracranial Pressure (ICP) Monitoring versus ICP-only Monitoring in Pediatric Severe Traumatic Brain Injury

Shih-Shan Chen

8:50-10:00 am

Oral Abstract Presentation Session 8:

Trauma/Basic Science

8:50-8:56 am

Child Combatants in Syrian War: "You'll Learn Not to Cry"

Nida Fatima

8:57-9:03 am

Healthcare Costs and Patient Characteristics of Children with Mild Traumatic Brain Injury and Post-Concussive Syndrome

Alexander Ren

9:04-9:10 am

Clinical, Radiographic and Laboratory Factors Associated with Mortality in Pediatric Intracranial Gunshot Wounds

Roboan Guillen Arguello

9:11-9:17 am

Utility of the Social Deprivation Index as a Metric to Identify at Risk Children for Severe Traumatic Brain Injury

Amber Gaulden

9:18-9:24 am

Socioeconomic Characteristics of Pediatric Traumatic Brain Injury Patients

Sima Vazquez

9:25-9:31 am

Clinical Complications of Surviving Gunshot Wounds to the Head in Children and Adolescents: The Miami Experience

Victor Lu

9:32-9:38 am

Insurance Disparities on Healthcare Resource Utilization and Outcomes in Adolescents with Spinal Cord Injury

Aladine Elsamadicy

9:39-9:45 am

Does New Research Address Persistent Questions Since the Publication of the CDC's 2018 Pediatric mTBI Guideline

Rebecca Dann

9:46-9:52 am

Neurosurgical Management of Abusive Head Trauma During the SARS-CoV-2 Pandemic

Jasmine Hect

9:53-10:00 am

Discussion



MEETING AGENDA

SUNDAY, DECEMBER 4

10:00-10:35 am

Beverage Break

Marquis Salon 6

10:35 am-12:00 pm

SCIENTIFIC SESSION X:

Spine/Technology/Misc

MODERATORS: *Jonathan E. Martin,*
Christina M. Sayama

Marquis Salon 6

10:35-11:05 am

Role of AI/AR/VR in the Future

Samuel R. Browd

11:05-11:45 am

Oral Abstract Presentation Session 9:

Spine/Technology/Miscellaneous

11:05-11:11 am

Development of Consensus for the Management of Pediatric Cervical Spine Disorders and Stabilization: A Modified Delphi Study

Yosef Dastagirza

11:12-11:18 am

Validity of the Subaxial Cervical Spine Injury Classification in Children

Martin Piazza

11:19-11:25 am

Pediatric Lumbar Disc Herniation: Conventional Management vs. Surgery

Max Gruber

11:26-11:32 am

Diagnosis and Management of Pediatric Hydrocephalus Utilizing a Low Field, Portable MRI

Max Gruber

11:33-11:39 am

Natural Language Processing of Patient EMR Predicts Pediatric Shunt Failure

Alice Woolard

11:40-11:45 am

Discussion

11:45-11:55 am

Announcement of Chiari, Hydrocephalus, Molly Hubbard, Meghan Rose Bradley Foundation, Global Pediatric Neurosurgery Abstract, Schulman, Timothy George Award

11:55-12:00 pm

Closing Remarks

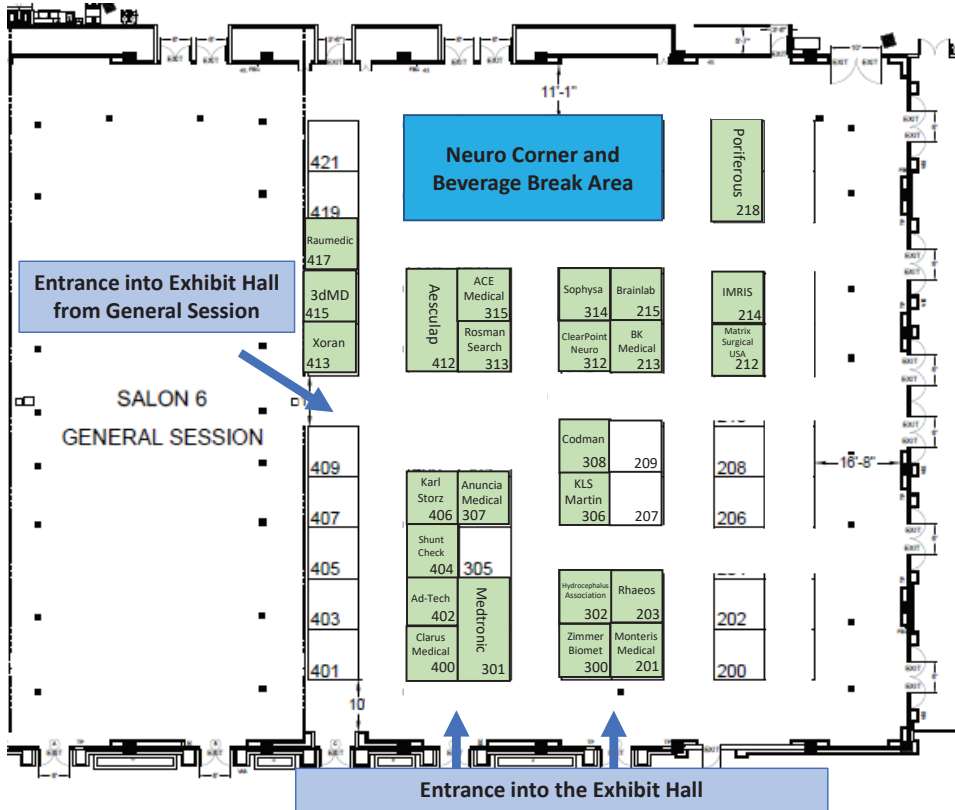
Robert F. Keating



EXHIBIT HALL INFORMATION



EXHIBIT HALL FLOOR PLAN



Thank You

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EXHIBIT HALL INFORMATION

LOCATION:

Marquis Salon 1-5

HOURS:

Friday, December 2

9:30 am-7:00 pm

Saturday, December 3

9:30 am-3:35 pm

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Codman Specialty Surgical, a Division of Integra LifeSciences integralife.com	308	ShuntCheck Inc. neurodx.com/shuntcheck	404
Hydrocephalus Association hydroassoc.org	302	Sophysa USA Inc. sophysa.com	314
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