

2023 Joint Pediatric Section Annual Meeting

NEW FRONTIERS IN PEDIATRIC NEUROSURGERY



Pediatric Neurological Surgery

NOVEMBER 29-DECEMBER 2, 2023

Omni Oklahoma City Hotel | Oklahoma City, OK

SCIENTIFIC PROGRAM GUIDE

The 2023 Joint Pediatric Section Annual Meeting is provided by the Congress of Neurological Surgeons and the Joint Section on Pediatric Neurological Surgery



Congress of
Neurological
Surgeons



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 Joint Pediatric Section can be apprised of the activities and the advances in the subspecialty of pediatric neurosurgery.
- Serving as a resource for the Joint Pediatric Section for conducting special studies and proposing solutions to problems in pediatric neurosurgery when directed to do so.
- Service as a Joint Pediatric Section 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 providership 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.



[CNS.ORG/PEDIATRIC](https://www.cns.org/pediatric)



AMA CREDIT DESIGNATION STATEMENT

The CNS designates this live activity for a maximum of 23.5 *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.

DISCLAIMER

The material presented at the 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 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 they want 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 PRESENTATIONS AND DIGITAL POSTERS

Oral Abstract Presentations will take place at the podium in the General Session. Visit the kiosks located in the Exhibit Hall to view digital posters.

ATTIRE

Professional attire is appropriate for the meeting, Opening Reception, and Exhibit Hall.

MEETING APP

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



Log in with event code:

PEDS23

NEURO ZONE

Make the most of your breaks by visiting the Neuro Zone in the Exhibit Hall. This is an excellent opportunity for all medical attendees to network with peers and experts, engage with industry, and enhance your knowledge while exploring the latest advances in pediatric technology during the What's New Sessions.

GENERAL INFORMATION

REGISTRATION

Five Moons Ballroom Foyer

Wednesday, November 29.....	7:00 am-6:30 pm
Thursday, November 30.....	7:00 am-5:30 pm
Friday, December 1.....	7:00 am-5:00 pm
Saturday, December 2.....	7:00-11:30 am

SPEAKER READY ROOM

Myriad

Wednesday, November 29.....	7:00 am-5:30 pm
Thursday, November 30.....	7:00 am-5:30 pm
Friday, December 1.....	7:00 am-5:30 pm
Saturday, December 2.....	7:00-11:30 am

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: PEDIATRIC MEETING

Passcode:
PEDS2023

NETWORKING EVENTS

Wednesday, November 29
6:00-7:30 pm

OPENING RECEPTION

Join us on the Scissortail Terrace at the Omni Hotel for our Opening Reception. Enjoy cocktails, hors d'oeuvres, and networking with colleagues. Experience the sounds of Midas 13, a high-energy band from OKC, playing everything from the 70s to current top 40 hits!

Supported by Medtronic, University of Oklahoma Health Sciences Center Department of Neurosurgery, and OU Health

Thursday, November 30
5:35-7:00 pm

WINE AND CHEESE RECEPTION

Reconnect with colleagues and make new connections while enjoying wine and cheese at our networking event in the Exhibit Hall.

Supported by Karl Storz Endoscopy

SONS LECTURER

Thursday, November 30 • 1:10-1:45 pm
Five Moons Ballroom

Global Vaccines: The Science versus The Anti-Science

Peter Hotez | *Dean*

*National School of Tropical Medicine,
Baylor College of Medicine*



Peter Hotez is an internationally recognized physician-scientist in neglected tropical diseases and vaccine development. As co-director of the Texas Children's CVD, he leads a team and product development partnership for developing new vaccines. In 2017 he was named by FORTUNE Magazine, while in 2018 he received the Sustained Leadership Award from Research!America. In 2022 Hotez and his colleague Maria Elena Bottazzi were nominated for the Nobel Peace Prize for "their work to develop and distribute a low-cost COVID-19 vaccine to people of the world without patent limitation." Most recently as both a vaccine scientist and autism parent, he has led national efforts to defend vaccines and to serve as an ardent champion of vaccines going up against a growing national "antivax" threat.

RAIMONDI LECTURE

Friday, December 1 • 8:00-8:35 am
Five Moons Ballroom

Championship Mindset

Patty Gasso | *Head Coach*

University of Oklahoma Softball



Recently completing her 28th season at the University of Oklahoma in 2022, NFCA Hall of Fame head coach Patty Gasso has molded the OU softball program into a national power and permanently placed herself among the elite college softball coaches in the country. Oklahoma has won six national championships and is one of just three programs in NCAA history to win more than two national titles. She has reached the Women's College World Series 15 times during her tenure, and in the process, advanced to the postseason in each one of her 28 seasons. Gasso and her staff have consistently been recognized for their efforts on and off the field. The staff was awarded three consecutive Speedline/NFCA Midwest Region Coaching Staff of the Year awards and received the national honor across multiple years.

MEETING AGENDA

WEDNESDAY, NOVEMBER 29, 2023

W NOVEMBER 29

8:00 am-4:00 pm

Advanced Practice Provider's Meeting

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

7:30-8:00 am

Complimentary Breakfast

8:00-8:10 am

Welcome

Andrew Jea, Laura Propester, Jami Valenzuela

8:10-8:15 am

APP Committee Report

Haley Vance

8:15-8:45 am

NeuroRadiology

Ben Cornwell

8:45-9:15 am

Spine

Chris Bonfield

9:15-9:45 am

Urology

Dominic Frimberger

9:45-10:00 am

Break

10:00-11:30 am

Roundtable Discussions

11:30 am-12:30 pm

Industry Sponsored Lunch

12:30-1:00 pm

Hydrocephalus – HCRN Update

Todd Hankinson

1:00-1:30 pm

Functional

Virendra Desai

1:30-2:00 pm

ICU and TBI Management

Andrew Gormley

2:00-3:00 pm

Roundtable Discussions

3:00-4:00 pm

Hands-on Session

Automobile Alley B

12:00 pm-4:30 pm

Spine Practical Course

Pinon

12:00 pm-5:05 pm

Fellows Boot Camp

Automobile Alley C

12:00-1:00 pm

Complimentary Lunch

1:00-1:05 pm

Introduction

Douglas L. Brockmeyer

1:05-1:15 pm

How to Create a Successful Academic Career

David Delmar Limbrick

1:15-1:30 pm

How to Create a Successful Private Career

David P. Gruber

1:30-1:45 pm

Medicolegal Issues: Staying Out of Trouble

Jeffrey R. Leonard

1:45-2:00 pm

Medicolegal Issues: Navigating the System

John Ragheb

2:00-2:15 pm

Break

2:15-2:30 pm

Coding Basics

Mark R. Proctor

MEETING AGENDA

WEDNESDAY, NOVEMBER 29, 2023

2:30-2:45 pm
Important Topics in ABPNS Board Certification

Bermans Iskandar

2:45-3:00 pm
Neurogenic Bladder

Dominic Frimberger

3:00-3:15 pm
Update on Fetal Surgery

Daniel Donoho

3:15-3:30 pm
Break

3:30-3:45 pm
The Pros and Cons of Getting an MBA

Sandi Lam

3:45-4:00 pm
Bias, Ethics, Diversity, and Inclusion

Susan R. Durham

4:00-4:15 pm
International Work

James M. Johnston

4:15-4:30 pm
Pediatric Spine: Ortho/Neuro Issues

Richard C. E. Anderson

4:30-4:45 pm
How to Build a Multidisciplinary Program

Virendra Desai

4:45-5:00 pm
How to Assess the Movement Disorder Patient

Justin Ramsey

5:00-5:05 pm
Closing Remarks

Douglas Brockmeyer

1:00-3:00 pm
Pediatric Section Executive Committee Meeting

Route 66

5:00-6:00 pm
Craniocervical Spine Society

Route 66

6:00-7:30 pm
Opening Reception
Scissortail Terrace/Oklahoma Station Foyer



MEETING AGENDA

THURSDAY, NOVEMBER 30, 2023

Th NOVEMBER 30

7:00-8:00 am

Complimentary Continental Breakfast
Five Moons Foyer

8:00-9:10 am

**General Scientific Session 1:
Basic Science**

Moderators: *David Daniels,*
Todd Hankinson
Five Moons Ballroom


8:00-8:15 am

Welcome and Opening Remarks

Joseph Harroz, Andrew Jea,
Richard Lofgren, Matthew Smyth


8:16-8:50 am

Oral Abstract Presentations

 **8:16-8:22 am**


**Endoluminal Sampling in Situ Enables
Genetic Characterization of Vein of
Galen Malformation**

Andrew Hale

 **8:23-8:29 am**


**Drug-Tumor Residence Time Drives
Efficacy of Convection-Enhanced
Delivery in H3 K27-altered Diffuse
Midline Glioma**

Julian Rechberger

 **8:30-8:36 am**

**Development of Microglial
Replacement Therapy for
Neurological Disorders:
Transplantation of Human Microglia
Into a Mouse System**

Kevin Kumar

 **8:37-8:43 am**

**CSF and Brain Development: Novel
Insights Into Brain-CSF Interactions**

Peter Yang

8:44-8:50 am

**Intraventricular Hemorrhage
Modulates ANO1 Expression During
Development in Ependyma and
Choroid Plexus Epithelial Cells**

Grace Halupnik

8:50-9:10 am

Question and Answer Session

9:00 am-7:00 pm

Exhibit Hall

Oklahoma Station

9:10-9:35 am

Beverage Break in the Exhibit Hall

Oklahoma Station


9:35-10:30 am

**General Scientific Session 2:
Hydrocephalus**

Moderators: *Andrew Kobets, Afshin Salehi*
Five Moons Ballroom


9:35-10:09 am

Oral Abstract Presentations

 **9:35-9:41 am**


**Detection of Complement Activation
Products in Cerebrospinal Fluid
of Neonates with Intraventricular
Hemorrhage**

Mohammed Alshareef

 **9:42-9:48 am**


**Quantitative Non-Invasive
Measurement of CSF Flow in Shunted
Hydrocephalus**

Peter Chiarelli

 **9:49-9:55 am**

**Effect of ETV on Risk of Subsequent
Shunt Failure**

Michael Feldman

 **9:56-10:02 am**

**Re-Imagining the Durability of
Hydrocephalus Treatment Using
Conditional Survival**

Aaron Yengo-Kahn

MEETING AGENDA

THURSDAY, NOVEMBER 30, 2023

10:03-10:09 am
Cerebrospinal Fluid-Based Extracellular Vesicle Signaling and Related T-cell Activation in Posthemorrhagic Hydrocephalus
Maria Garcia Bonilla

10:10-10:30 am
Question and Answer Session

10:30-10:32 am
**In Memoriam:
R. Michael Scott**



10:35-11:00 am
**Beverage Break in the Exhibit Hall
"What's New Sessions" in NeuroZone**
Oklahoma Station

11:00-12:00 pm
**General Scientific Session 3: Global/
International Neurosurgery**
Moderators: *Michael Dewan,*
Rebecca Reynolds, Heather Spader
Five Moons Ballroom

11:00-11:34 am
Oral Abstract Presentations

11:00-11:06 am
Modular Toolkit for Development of Effective, Ethical, and Equitable Neurophysiology Education and Collaboration
Martina Gonzalez-Gomez

11:07-11:13 am
Short-Term Outcomes of Endoscopic Third Ventriculostomy and Choroid Plexus Cauterization in Children with Hydrocephalus at Arusha Lutheran Medical Center in Northern Tanzania: A Cross-Sectional Study
Habib Rafka

11:14-11:20 am
Assessing Survival Outcomes in Pediatric Craniopharyngioma at the US-Mexico Border: A Cross-Border Neuro-Oncology Initiative
Alexander Tenorio

11:21-11:27 am
WHA76.19 Resolution On Food Fortification: A Case Study on Successful Neurosurgery Centered Science Based Advocacy and Scientific Diplomacy
Jeffrey Blount

11:28-11:34 am
Global Trends in Surgical Decision-Making for Sylvian Arachnoid Cysts
Pramath Kakodkar

11:35-12:00 pm
Question and Answer Session

11:00 am-12:30 pm
AAP SONS Executive Committee Meeting
Mistletoe

12:00-1:00 pm
Complimentary Lunch in the Exhibit Hall
Oklahoma Station

12:00-1:00 pm
Luncheon Point-Counterpoint Fast Draw 1: Laser Tissue Ablation as an Early Treatment for Deep Lesions
Speakers: *Zulma Tovar-Spinoza,*
William Whitehead
Automobile Alley A

12:00-1:00 pm
Luncheon Point-Counterpoint Fast Draw 2: Prophylactic Surgery for Asymptomatic Lipomyelomeningocele
Speakers: *Greg Heuer, Cormac Maher*
Automobile Alley B

1:10-1:15 pm
Introduction of SONS Lecturer
Five Moons Ballroom

1:15-1:45 pm
Keynote Speaker/SONS Lecturer

Global Vaccines: The Science versus The Anti-Science
Peter Hotez

MEETING AGENDA


THURSDAY, NOVEMBER 30, 2023

1:45-1:55 pm

Question and Answer Session


2:00-3:10 pm

SONS Oral Abstract Presentations

 **2:00-2:14 pm**


Feasibility and Acceptability of Double Fortified Salt with Iodine and Folic Acid: Prospective Clinical Study

Anastasia Smith

 **2:15-2:29 pm**


Expanding the Pediatric Emergency Care Applied Research Network Head Trauma Decision Rules with Machine Learning to Identify High Risk Patients for Neurosurgical Intervention

Ethan Schonfeld

 **2:30-2:44 pm**

Closed-loop Stimulation Rescues Attention Deficits in Children

Nebras Warsi

 **2:45-2:59 pm**

Socioeconomic Factors Associated with Delayed Presentation in Craniostylosis Surgery at a Tertiary Children's Hospital

Nicholas Sader

3:00-3:10 pm

Question and Answer Session

3:10-3:35 pm

Beverage Break in the Exhibit Hall

Oklahoma Station

3:35-4:30 pm

General Scientific Session 4: Fetal/Spinal Dysraphism

Moderators: *Peter Madsen, Vijay Ravindra*
Five Moons Ballroom

3:35-4:09 pm

Oral Abstract Presentations

3:35-3:41 pm

Trend of Fetal Surgery Training for Myelomeningocele Closure in Fellowship

Amanda Jensen

3:42-3:48 pm


Perioperative Risk Factors Predicting CSF Leaks Following Tethered Cord Release

Joseph McAbee

3:49-3:55 pm


Differences in Brain Development and Need for CSF Diversion Based on MMC Level

Sasidhar Karuparti

 **3:56-4:02 pm**

A Cost Benefit Analysis of Ultrasound versus Clinical Follow Up for Simple Coccygeal Dimples with Review of Outcomes in a Single Hospital System

Benjamin Succop

 **4:03-4:09 pm**

Timing Matters: Evaluating the Optimal Age for Surgical Intervention in Dermal Sinus Tract

Kelsi Chesney

4:10-4:30 pm

Question and Answer Session


4:30-5:35 pm

General Scientific Session 5: Diversity in Neurosurgery

Moderators: *Ziyad Makoshi, Meena Vessell*
Five Moons Ballroom

4:30-5:04 pm

Oral Abstract Presentations

 **4:30-4:36 pm**

Gender Disparities in Pediatric Neurosurgery: An Analysis of Work-Life Balance, Discrimination, and Family Responsibilities

Logan Muzyka


 **4:37-4:43 pm**


Author Diversity in Pediatric Spine Surgery Publications from 1902-2023

Jamshaid Mir

MEETING AGENDA

FRIDAY, DECEMBER 1, 2023

 **4:44-4:50 pm**
Racial Disparities in Hydrocephalus Mortality and Shunt Revision: A Study From the Hydrocephalus Clinical Research Network
Brandon Rocque

 **4:51-4:57 pm**
Geographic Distribution of Fellowship-Trained Pediatric Neurosurgeons in the United States
Bianca Luna-Lupe

 **4:58-5:04 pm**
Mapping the Landscape of Pediatric Neurosurgery: Geography, Gender, and Trends over Time
Logan Muzyka

5:05-5:25 pm
Question and Answer Session

5:25-5:35 pm
Award Presentations for Hydrocephalus Association, AAP/SONS, Global Surgery, and Tim George Award for Inclusion and Diversity

5:35-7:00 pm
Wine and Cheese Reception in the Exhibit Hall
Oklahoma Station

F DECEMBER 1

7:00-8:00 am
Complimentary Continental Breakfast
Five Moons Foyer

8:00-8:05 am
Introduction of Raimondi Lecturer
Five Moons Ballroom

8:05-8:35 am
Keynote Speaker

Championship Mindset
Coach Patty Gasso


8:35-8:45 am
Question and Answer Session


8:45-9:40 am
General Scientific Session 6: Epilepsy
Moderators: *Viren Desai, George Ibrahim, Jeffrey Raskin*

8:45-9:19 am
Oral Abstract Presentations

8:45-8:51 am
Responsive Neurostimulation in Pediatric Patients with Intractable Epilepsy
Thomas Larrew

8:52-8:58 am
Successful Seizure Neuromodulation Correlates with Spectrally-Defined Seizure Onset Zones
Nealen Laxpati

 **8:59-9:05 am**
Postoperative Management Following Hemispherectomy in Pediatric Patients with Pre-Existing Ventriculoperitoneal Shunts: A Case Series
Nikita Das

 **9:06-9:12 am**
Ictal Rhythms in the Centromedian Nucleus are Associated with Seizure Response to Deep Brain Stimulation
Karim Mithani

 **9:13-9:19 am**
The Evolution of sEEG: Symbiotic Progress in Medical Imaging and Procedural Technologies
Sherwin Tavakol

9:20-9:40 am
Question and Answer Session

9:15 am-3:45 pm
Exhibit Hall
Oklahoma Station

9:40-10:05 am
Beverage Break in the Exhibit Hall
What's New Sessions" in NeuroZone
Oklahoma Station

MEETING AGENDA

FRIDAY, DECEMBER 1, 2023

10:05-11:00 am

General Scientific Session 7: Tumors

Moderators: *Karl Balsara, Daniel Donoho*

Five Moons Ballroom

10:05-10:39 am

Oral Abstract Presentations



10:05-10:11 am

Repurposing Vortioxetine for H3K27M- Midline Gliomas

Anand Thiraviyam



10:12-10:18 am

Stereotactic Radiosurgery for Ependymoma in Pediatric and Adult Patients: A Single-Institution Experience

Kelly Yoo



10:19-10:25 am

Optimizing Pediatric MRg-FUS Workflow: Insights From One Year of Experience

Kelsi Chesney



10:26-10:32 am

Impact of Socio-Economic and Racial Diversity on Outcome After Treatment of Pediatric Posterior Fossa Tumors, a Single Institutional Cohort Study

Mohammed Sayed



10:33-10:39 am

The Endoscopic Transnasal Approach to Pediatric Sellar Region Pathologies in Patients 6 Years and Below is Safe and Effective

Swetha Sundar

10:40-11:00 am

Question and Answer Session

11:00 am-12:00 pm

General Scientific Session 8: Craniofacial

Moderators: *Ruth Bristol, Joanna Gernsback*

Five Moons Ballroom

11:00-11:34 am

Oral Abstract Presentations



11:00-11:06 am

Outcomes of the Early Endoscopic-Assisted Suturectomy for Treatment of Multisuture Craniosynostosis

Sina Zoghi



11:07-11:13 am

A Protocol Driven Approach to Improve Laboratory Utilization and Costs of Postoperative Care for Craniofacial Patients

Nicholas Szufliata

11:14-11:20 am

Advances in the Use of Virtual Surgical Planning and Venous Imaging to Optimize Surgical Decision Making and Outcomes

Rita Nguyen

11:21-11:27 am

Sports After Synostosis Surgery: A Survey of Synostosis Research Group (SynRG) Members

Christopher Bonfield



11:28-11:34 am

Cost Analysis of Endoscopic Versus Early-Open Cranial Vault Reconstruction for Patients with Sagittal Craniosynostosis

Matthew Perry

11:35 -11:56 am

Question and Answer Session

11:56-11:57 am

**In Memoriam:
David F. Jimenez**



11:58 am-12:00 pm

**In Memoriam:
David Frim**



12:00-1:00 pm

Complimentary Lunch in the Exhibit Hall

Oklahoma Station

MEETING AGENDA

FRIDAY, DECEMBER 1, 2023

12:00-1:00 pm

**Luncheon Point-Counterpoint
Fast Draw 3: DBS vs RNS for Generalized
Epilepsy**

*Speakers: Chima Oluigbo, Jeffrey Raskin
Automobile Alley A*

12:00-1:00 pm

**Luncheon Point-Counterpoint
Fast Draw 4: Spinal Column Shortening
for Skeletally Immature Children with
Recurrent Tethered Cord Syndrome**

*Speakers: Jeffrey Blount, Mari Groves
Automobile Alley B*

1:10-2:05 pm

General Scientific Session 9: Spine

*Moderators: Steve Hwang, Rajiv Iyer
Five Moons Ballroom*

1:10-1:44 pm

Oral Abstract Presentations

1:10-1:16 pm


**Endoscopic Fenestration of
Multilevel Thoracic Cyst-Technical
Note**

Edwin Kulubya

1:17-1:23 pm


**Range of Motion After
Occipitocervical and C1-2 Posterior
Spinal Instrumentation and Fusion in
Children**

Yosef Dastagirzada

 **1:24-1:30 pm**

**Rett Syndrome Associated Scoliosis:
Analysis of National Trends and
Treatment Patterns of a Rare
Indication for Posterior Instrumented
Fusion**

Vijay Ravindra

 **1:31-1:37 pm**

**Risk Factors Associated with Major
In-Hospital Adverse Events: A
Multicenter Observational Cohort
Study of 1853 Pediatric Patients with
Traumatic Spinal Cord Injury**

Armaan Malhotra

1:38-1:44 pm

**Pediatric Spinal Extradural Arachnoid
Cysts: A Comparison of Patients
with Idiopathic Versus Lymphedema
Distichiasis Syndrome-Associated
Cysts**

Elise Yoon

1:45-2:05 pm

Question and Answer Session

2:05-3:00 pm


General Scientific Session 10: Chiari

*Moderators: Syed Hassan Akbari,
Michael Cools*

Five Moons Ballroom


2:05-2:39 pm

Oral Abstract Presentations

 **2:05-2:11 pm**


**Sleep Disordered Breathing in
Pediatric Chiari 1 Malformation
Patients**

Matthew Jarrell

 **2:12-2:18 pm**


**Incidence of Tethered Cord
Syndrome in Chiari Malformation
Type I: Challenging Accepted Notions**

Katherine Holste

 **2:19-2:25 pm**

**Morphological/Ultrastructural
Investigation of the Posterior Atlanto-
Occipital Membrane: Comparing
Children with Chiari I Malformation
and Controls**

Vijay Ravindra

 **2:26-2:32 pm**

**Effect on Affect: Postsurgical Change
in Cerebellar Neuropsychiatric Rating
Scale Scores in Adults and Children
with Chiari Malformation Type I**

Belinda Shao

2:33-2:39 pm

**Neurosurgical Management of
Rubinstein-Taybi Syndrome:
An Institutional Experience**

Martin Piazza

MEETING AGENDA

FRIDAY, DECEMBER 1, 2023


2:40-3:00 pm
Question and Answer Session

3:00-3:25 pm
Beverage Break in the Exhibit Hall
Oklahoma Station

3:25-4:30 pm
General Scientific Session 11: Trauma
*Moderators: Nisha Gadgil,
Laila Mohammad*
Five Moons Ballroom

3:25-3:59 pm
Oral Abstract Presentations

3:25-3:31 pm
GM-CSF Treatment for Traumatic
Brain Injury-Induced Immune
Suppression
Eric Sribnick

 **3:32-3:38 pm**
Determining Correlation of
Food Intake and Satiety Related
Hormones with the Findings of Brain
Computerized Tomography (CT)
Scans and Psychological Disorders
in Children with Mild to Moderate
Traumatic Brain Injury
Sina Zoghi

3:39-3:45 pm
Validating the Pediatric Brain Injury
Guidelines at a Level I Trauma Center
to Optimize Care of TBI Patients
Lindsey Freeman

3:46-3:52 pm
The Safety and Efficacy of Bedside
Transfontanelle Subdural Drain
Placement in Infants
Julia Pazniokas

3:53-3:59 pm
Non-Operative Management of
Traumatic Craniocervical Junction
Injuries: A Single-Institution
Retrospective Study
Brynn Rankin

4:00-4:20 pm
Question and Answer Session

4:20-4:30 pm
Award Presentations for Bobby Jones Chiari
& Syringomyelia Foundation and Meghan
Rose Bradley Foundation Awards


4:30-5:00 pm
Pediatric Section Annual Business Meeting
Five Moons Ballroom


Sa DECEMBER 2

7:00-8:00 am
Complimentary Continental Breakfast
Five Moons Foyer

8:00-8:55 am
General Scientific Session 12: Vascular
*Moderators: Katrina Ducis,
Alfred Pokmeng See*
Five Moons Ballroom

8:00-8:34 am
Oral Abstract Presentations


 **8:00-8:06 am**
Anticoagulation for the Treatment
of Septic Cerebral Venous Sinus
Thrombosis in the Setting of
Pediatric Sinogenic and Otogenic
Intracranial Infections
Pearl Sutter

 **8:07-8:13 am**
Combined Endovascular and Skull
Base Surgical Management of
Pediatric Craniocervical Pathology:
A Case Series
Jonathan Scoville

8:14-8:20 am
Age-Related Patterns in Ischemic
Stroke Presentation of Sickle Cell
Disease
Joanna Papadakis

MEETING AGENDA

SATURDAY, DECEMBER 2, 2023

 **8:21-8:27 am**
Embolization with an Intention to Cure in Management of Pediatric Arteriovenous Malformations: A Systematic Review
Nangorgo Coulibaly

8:28-8:34 am
Pediatric Vasospasm Associated with Nonaneurysmal Hemorrhage
Sarah Merrill

8:35-8:55 am
Question and Answer Session

9:00-9:25 am
Beverage Break
Five Moons Foyer


9:25-11:15 am
**General Scientific Session 13:
Late Breaking Abstracts**
Moderators: David Gonda, Ryan Jafrani
Five Moons Ballroom

9:25-10:54 am
Oral Abstract Presentations

 **9:25-9:31 am**
Surgical Treatment of Ruptured Middle Fossa Arachnoid Cysts
Torin Karsonovich


9:32-9:38 am
Barriers to Transitional Care Clinics for Medically Complex Pediatric Patients: A Call to Action
Kelsey Hundley

9:39-9:45 am
Pediatric Sinogenic and Otogenic Intracranial Infections: Preliminary Results of a Multicenter Study
Megan Anderson

 **9:46-9:52 am**
The Effect of Race and Socioeconomic Status on Neurosurgical Outcomes in Pediatric Patients with CNS Tumors at a Tertiary Care Institution
Joel Katz

9:53-9:59 am
Testing for Shunt Independence in Pediatric Hydrocephalus: A Novel Technique and Algorithm to Limit Return to the Operating Room
Brendan Klein

10:00-10:20
Question and Answer Session

 **10:20-10:26 am**
Surgical Yield From a Pediatric Neurosurgery Clinic: Why Do We Do It?
Ira Bowen

10:27-10:33 am
Exploring Sociodemographic Variables and Their Relationship to Readmission Rates and Post-operative Events in Elective Craniotomy for Pediatric Brain Tumors
Randaline Barnett

10:34-10:40 am
Use of iMRI in Pediatric Tumor Resection: An Institutional Experience at Hassenfeld Childrens Hospital at NYU Langone Medical Center
Yosef Dastagirzada

10:41-10:47 am
Impact of Shunts and Seizures on Hospital Visits by Children Born Preterm with Severe Intraventricular Hemorrhage
Rachel Pruitt

10:48-10:54 am
Bladder Involvement In Limited Dorsal Myeloschisis: A Systematic Review
Albert Tu

10:55-11:15 am
Question and Answer Session

11:15-11:25 am
Presentation of Schulman and Molly Hubbard Awards
Five Moons Ballroom

11:25-11:30 am
Closing Remarks
Five Moons Ballroom

EXHIBIT HALL INFORMATION

EXHIBIT HALL FLOOR PLAN

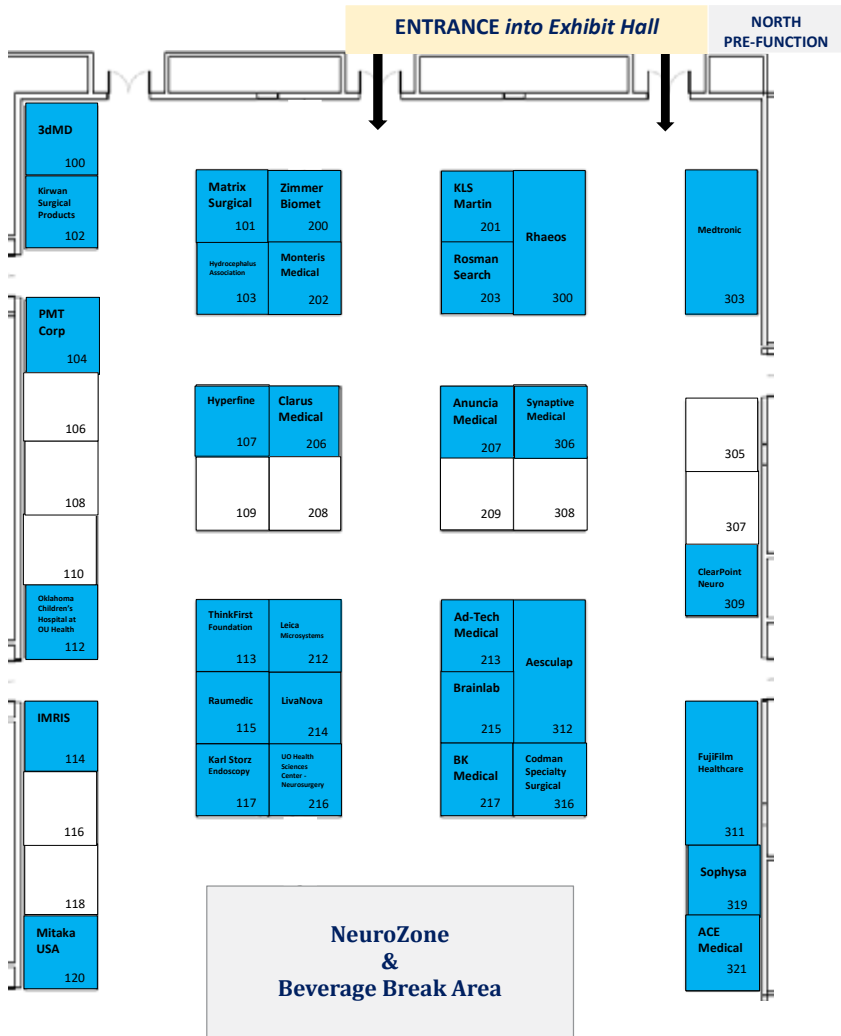


EXHIBIT HALL INFORMATION

Location:

Oklahoma Station
Ballroom 1-8

Hours:

Thursday, November 30
9:00 am-7:00 pm

Friday, December 1
9:15 am-3:45 pm

Company	Booth	Company	Booth
3dMD LLC 3dmd.com	100	KLS Martin klsmartin.com	201
ACE Medical Company acemedicalco.com	321	Leica Microsystems leica-microsystems.com	212
Ad-Tech Medical Instrument Corporation adtechmedical.com	213	LivaNova livanova.com	214
Aesculap Inc. aesculapusa.com	312	Matrix Surgical USA matrixsurgicalusa.com	101
Anuncia Medical, Inc. anunciamedical.com	207	Medtronic	303
BK Medical bkmedical.com	217	Mitaka USA mitakausa.com	120
Brainlab brainlab.com	215	Monteris Medical Inc. monteris.com	202
Clarus Medical, LLC clarus-medical.com	206	Oklahoma Children's Hospital at OU Health ouhealth.com	112
ClearPoint Neuro, Inc. clearpointneuro.com	309	University of Oklahoma Health Sciences Center-Department of Neurosurgery medicine.ouhsc.edu/academic-departments/neurosurgery	216
Codman Specialty Surgical, a Division of Integra LifeSciences integralife.com	316	PMT Corporation pmtcorp.com	104
FujiFilm Healthcare Americas Corporation healthcaresolutions-us.fujifilm.com	311	Raumedic raumedic.com	115
Hydrocephalus Association hydroassoc.org	103	Rhaeos rhaeos.com	300
Hyperfine Inc. hyperfine.io	107	RosmanSearch, Inc. rosmansearch.com	203
IMRIS imris.com	114	Sophysa USA Inc. sophysa.com	319
Karl Storz Endoscopy karlstorz.com	117	Synaptive Medical www.synaptivemedical.com	306
Kirwan Surgical Products, LLC ksp.com	102	ThinkFirst Foundation thinkfirst.org	113
		Zimmer Biomet Zimmerbiomet.com	200

THANK YOU!

Medtronic

Platinum Industry Supporter
of the 2023 Joint Pediatric Section Annual Meeting
on Pediatric Neurological Surgery

THANK YOU!



The UNIVERSITY of OKLAHOMA
HEALTH SCIENCES



Platinum Industry Supporter
of the 2023 Joint Pediatric Section Annual Meeting
on Pediatric Neurological Surgery

INDUSTRY SUPPORTERS

The Joint Pediatric Section gratefully acknowledges the
2023 Industry Supporters

PLATINUM LEVEL SUPPORTER:

Medtronic



EMERALD LEVEL SUPPORTER:

STORZ
KARL STORZ ENDOSCOPY

SAPPHIRE LEVEL SUPPORTER:



AESCULAP



WHAT'S NEW SESSIONS

Meet in the NeuroZone within the Exhibit Hall to learn the latest from Industry

THURSDAY

10:39-10:49 am

— Anuncia Medical —

Keeping Shunts Working:
First Clinical Experiences with the
ReFlow™ Mini Flusher

Ramin Eskandari

FRIDAY

9:44-9:54 am

— BK Medical —

iUS Across
Pediatric
Procedures

Jason Hauptman

NYC

SAVE THE DATE

DECEMBER 12-15, 2024

2024 Joint Pediatric Section Annual Meeting
Sheraton New York Times Square Hotel

NYC



Congress of
Neurological
Surgeons



American
Association of
Neurological
Surgeons