

49TH ANNUAL MEETING OF THE AANS/CNS SECTION ON PEDIATRIC NEUROLOGICAL SURGERY

ELEVATING HEALTH THROUGH KNOWLEDGE



DECEMBER 2-4, 2020

VIRTUAL MEETING



CNS

2020 PEDIATRIC SECTION ANNUAL MEETING

PROGRAM AT A GLANCE

WEDNESDAY, DECEMBER 2

1:00 pm - 4:30 pm

Advanced Practitioner Seminar

1:00 pm - 1:10 pm

Chair Address and Welcome

1:10 pm - 3:30 pm

Scientific Session I: Tumor

3:30 pm - 4:30 pm

Fellows Scientific Showcase

4:30 pm - 5:30 pm

Opening Reception

THURSDAY, DECEMBER 3

1:00 pm - 2:00 pm

AAP/SONS Session

1:00 pm - 4:30 pm

Scientific Showcase

2:00 pm - 4:30 pm

Scientific Session II: Functional Topics

4:30 pm - 5:30 pm

Meet the Leadership

FRIDAY, DECEMBER 4

12:00 pm - 1:00 pm

Noon Report

1:00 pm - 2:33 pm

Scientific Session III: Socioeconomic: Racial Equity, Social Equity, COVID-19 and Pediatric Neurosurgery

2:33 pm - 4:00 pm

Scientific Session IV: Trauma/Critical Care - Hydrocephalus

4:00 pm - 4:15 pm

Closing Remarks

ADVANCED PRACTITIONER SEMINAR

WEDNESDAY, DECEMBER 2

1:00 pm - 1:03 pm

Welcome to Session

Amanda Breedt, ARNP; Han Nguyen, PA; Andrea Sloan, PA; Elizabeth Haley Vance, DNP, APRN, CPNP-AC

1:04 pm - 1:18 pm

Spine - NeuroRadiology: Key imaging and pearls

Samuel G. McClugage III, MD

1:19 pm - 1:33 pm

Cervical Spine Injuries in Peds

Douglas L. Brockmeyer, MD, FAANS

1:34 pm - 1:48 pm

Thoracic/Lumbar Spine Injuries in Peds

Christopher Michael Bonfield, MD, FAANS

1:49 pm - 1:54 pm

Question and Answer Session with Speakers

Elizabeth Haley Vance, DNP, APRN, CPNP-AC

1:55 pm - 1:56 pm

APP Highlight Video – NSGY Support of APPs Neurosurgeons for APP Support/Thank-you Video Video

1:57 pm - 2:11 pm

Tumor - NeuroRadiology: Key Imaging and Pearls

Francisco A. Perez, MD, PhD

2:12 pm - 2:26 pm

Tumors

Peter Anthony Chiarelli, MD, PhD

2:27 pm - 2:41 pm

Treatment Updates/Proton Therapy

Ralph P. Ermoian, MD

2:42 pm - 2:47 pm

Question and Answer Session with Speakers

Amanda Breedt, ARNP; Andrea Sloan, PA

2:48 pm - 2:58 pm

Break

2:59 pm - 3:13 pm

ETV/CPC

Jay K. Riva-Cambrin, MD, FAANS, MSc, FRCSC (Canada)

3:14 pm - 3:28 pm

Shunts – Programmable vs. Non-Programmable

Jason K. Chu, MD

3:29 pm - 3:43 pm

Hydrocephalus Case Presentation

Todd Cameron Hankinson, MD, MBA, FAANS

3:44 pm - 3:49 pm

Question and Answer Session with Speakers

Han Nguyen, PA

3:50 pm - 3:51 pm

APP Highlight Video – APPs and Roles Outside of NSGY

Video

3:52 pm - 4:06 pm

Epilepsy - NeuroRadiology: Key imaging and pearls

Jason Wright, MD

4:07 pm - 4:21 pm

New Surgical Options – Laser, SEEG, RNS, etc.

Jeffrey G. Ojemann, MD, FAANS

4:22 pm - 4:27 pm

Question and Answer Session with Speakers

Patti L. Batchelder, RN MS CPNP

4:28 pm - 4:30 pm

Closing Remarks

Elizabeth Haley Vance, DNP, APRN, CPNP-AC

ANNUAL MEETING PROGRAM SCHEDULE

WEDNESDAY, DECEMBER 2

1:00 pm - 1:10 pm

Chair Address and Welcome

1:10 pm - 3:30 pm

Scientific Session I: Tumor

1:10 pm - 1:20 pm

Surgically Relevant Clinical Trials being Conducted by Pediatric Neuro-oncology Consortia

Kathleen Dorris, MD

1:21 pm - 1:31 pm

Influential Research Publication(s) in Pediatric Neurosurgical Oncology

Nalin Gupta, MD, PhD, FAANS

1:32 pm - 1:40 pm

Question and Answer Session - Papers Discussion

1:41 pm - 1:46 pm

High Dose MTX110 (Soluble Panobinostat) Safely Administered into the Fourth Ventricle in a Non-human Primate Model

Natasha Kharas

1:47 pm - 1:52 pm

Integrative Multi-omic Analyses Of MSI1 Function In Brain Cancer Reveal Context-specific Downstream Targets For Drug Discovery

Michelle Kameda-Smith, MD (Canada)

1:53 pm - 1:56 pm

Epigenomic Landscape and 3D Genome Structure in Pediatric High-Grade Glioma

Amanda Muhs Saratsis, MD

1:57 pm - 2:00 pm

Chicken Embryo Chorioallantoic Membrane (CAM) Assay As A Xenograft Model For Treatment Of H3K27M-Mutant Diffuse Midline Glioma

Erica A. Power

2:01 pm - 2:02 pm

Expert in the Field: Abstract Summary

Mark M. Souweidane, MD, FAANS

2:02 pm - 2:07 pm

Question and Answer Session with Abstract Authors

2:07 pm - 2:22 pm

Break

2:22 pm - 2:32 pm

Presentation of a Child with a Tumor in the 4th Ventricle

Paul Klimo Jr., MD, FAANS

2:32 pm - 2:34 pm

Commentary

Samuel H. Cheshier, MD, PhD, FAANS ; Annie Drapeau, MD, FAANS ; David I. Sandberg, MD, FAANS

2:34 pm - 2:39 pm

Question and Answer Session with Speaker

2:40 pm - 2:45 pm

Patient-Matched Molecular Comparison of Primary and Relapsed Medulloblastoma

Rahul Kumar

2:46 pm - 2:51 pm

Disulfiram and Copper Combination Therapy Prolongs Survival in Group 3 Medulloblastoma Through NPL-4 Inhibition

Riccardo Serra, MD

2:52 pm - 2:55 pm

Subgroup Divergence at Medulloblastoma Relapse

Rahul Kumar

2:56 pm - 2:57 pm

Expert in the Field: Abstract Summary

David I. Sandberg, MD, FAANS

2:57 pm - 3:02 pm

Question and Answer Session with Abstract Authors

3:02 pm - 3:07 pm

Postoperative MR Imaging Surveillance of Pediatric Craniopharyngioma: New Institutional Guidelines

Mohammed Fouda, MD

3:08 pm - 3:13 pm

Applications of Endoscopic Endonasal Surgery in Early Childhood

Michael M. McDowell, MD

3:14 pm - 3:19 pm

Adamantinomatous Craniopharyngioma Cyst Fluid May Promote Inflammation And Epithelial-to-Mesenchymal Transition In The Tumor Microenvironment.

Trinka Vijmasi, MD

3:20 pm - 3:23 pm

Quantitative MR Imaging Features Associated with Unique Transcriptional Characteristics in Pediatric Adamantinomatous Craniopharyngioma: A Potential Guide for Therapy

Eric Prince

3:24 pm - 3:25 pm

Expert in the Field: Abstract Summary

Phillip B. Storm, MD, FAANS

3:25 pm - 3:30 pm

Question and Answer Session with Abstract Authors

3:30 pm - 4:30 pm

Fellows Scientific Showcase

3:30 pm - 3:31 pm

Introduction to Session

Mark D. Krieger, MD, FAANS

3:31 pm - 3:36 am

Fellowship Training in Pediatric Neurosurgery

Cormac O. Maher, MD, FAANS

3:36 pm - 3:37 pm

Introduction

Daniel A. Donoho, MD

3:37 pm - 3:40 pm

Enhancing Drug Delivery To The Brain with Laser Interstitial Thermal Therapy (LITT) And Augmenting Tumor Kill Effect Of Heat With Proteasome Inhibitors.

Afshin Salehi, MS, MD

3:40 pm - 3:41 pm

Introduction

Ziyad Abdullah Makoshi

3:41 pm - 3:44 pm

A human stem cell approach to understanding medulloblastoma initiation and maintenance

Jignesh Kishor Tailor, MD, PhD (Canada)

3:44 pm - 3:45 pm

Introduction

Yasunori Nagahama, MD

3:45 pm - 3:48 pm

Impact of COVID-19 Pandemic on Presentation of Central Nervous System Tumors to the Pediatric Neurosurgery Service Requiring Surgical Intervention

Laila Malani Mohammad, MD

3:49 pm - 3:52 pm

Intraoperative Neuromonitoring Potentials Show Evidence of Preserved Neuronal Circuitry Below the Anatomical and Functional Level in Complex Spinal Dysraphism Patients Undergoing Re-operation Detethering

Hannah E. Goldstein, MD

3:52 pm - 3:53 pm

Introduction

Laurence Davidson, MD, FAANS

3:53 pm - 3:56 pm

The Burden Of Chronic Back Pain In Adult Patients With Open And Closed Spinal Dysraphism

Lauren Simpson, MD

3:56 pm - 3:59 pm

Patient Reported Outcomes in Spinal Column Shortening in Children

Virendra R. Desai, MD

3:59 pm - 4:02 pm

Spinal Cord Shortening for Tethered Cord Syndrome: A Case Series

Ahmed Mostafa Belal, MD

4:02 pm - 4:05 pm

Question and Answer Session with Fellows

4:05 pm - 4:06 pm

Introduction

Alfred Pokmeng See, MD

4:06 pm - 4:09 pm

Building Consensus For The Medical Management Of Children With Moderate And Severe Acute Spinal Cord Injury (SCI): A Modified Delphi Study

Nikita G. Alexiades, MD

4:09 pm - 4:10 pm

Introduction

Meleine Martinez Sosa, MD

4:10 pm - 4:13 pm

Removal of Subdural-peritoneal Shunt After Resolution of Subdural Hematoma

Khoi Nguyen, MD

4:13 pm - 4:14 pm

Introduction

Joslyn Iman Woodard, MD

4:14 pm - 4:17 pm

Global Geographic Variations In Outcomes For Deep Brain Stimulation For Childhood Dystonia

Kerry Vaughan, MD (Canada)

4:17 pm - 4:18 pm

Introduction

Derek Yecies, MD

4:18 pm - 4:21 pm

The Evolution Of Epilepsy Surgery Over Three Decades: A Comprehensive Retrospective Review Of A Quaternary Pediatric Epilepsy Surgical Program

Mostafa Shahein, MD

4:21 pm - 4:24 pm

Time Static Tagging And Mono-contrast Preservation MRI As A Diagnostic Tool For Chiari Malformation

4:24 pm - 4:27 pm

Factors Underlying Postnatal Outcomes in Fetal Occipital Encephalocele: The Development Of Imaging-Based Prediction Parameters

Smruti K. Patel, MD

4:27 pm - 4:30 pm

Question and Answer Session with Fellows

4:30 pm - 5:30 pm

Opening Reception

ANNUAL MEETING PROGRAM SCHEDULE

THURSDAY, DECEMBER 3

1:00 pm - 4:30 pm
Scientific Showcase

1:00 pm - 1:28 pm
Scientific Showcase: Top Abstract Discussion- Developmental Anomalies Panel

1:00 pm - 1:02 pm
Welcome to the Scientific Showcase
Session Moderators

1:02 pm - 1:23 pm
A Twenty-Five Year Single Center Retrospective Analysis of Surgically Treated Pediatric Chiari I Malformations
Eric M. Nturibi

1:02 pm - 1:23 pm
Mendelian Randomization Enables Causal Inference of Infectious Disease Traits on Hydrocephalus and CSF Shunt Failure
Andrew T. Hale, PhD

1:02 pm - 1:23 pm
Prophylactic Antiepileptic Administration Significantly Reduces Postoperative Seizures In Patients Undergoing ETV/CPC
Randaline Barnett, MD

1:02 pm - 1:23 pm
Revision Chiari Surgery in Young Children: Predictors and Outcomes
John Chae

1:02 pm - 1:23 pm
Sociodemographic Disparities In Fetal Surgery For Myelomeningocele: Single Center Retrospective Review
Andrew B. Foy, MD, FAANS

1:23 pm - 1:28 pm
Break

1:28 pm - 1:54 pm
Scientific Showcase: Top Abstract Discussion - Functional Anomalies Panel

1:28 pm - 1:49 pm
Comparison Of ROSA And Stealth AutoGuide Robot-Assisted SEEG Implantation
Robert Sickler III

1:28 pm - 1:49 pm
Initial Results from a Phase 1 Study of ABI-009 (nab-sirolimus) for Surgically-Refractory Epilepsy (RaSuRE)
Hannah E. Goldstein, MD

1:28 pm - 1:49 pm
Magnetic Resonance–Guided Laser Interstitial Thermal Therapy for Pediatric Periventricular Nodular Heterotopia Related Epilepsy
Vijay Mysore Ravindra, MD

1:28 pm - 1:49 pm
Vagus Nerve Stimulation In Children With Lennox-Gastaut Syndrome: 20-Year Retrospective Review
Jerry Garcia-Medrano

1:28 pm - 1:49 pm

Variation in Pediatric Stereoelectroencephalography Practice Among Pediatric Neurosurgeons in the United States- Survey Results

Benjamin C. Kennedy, MD

1:49 pm - 1:54 pm

Break

1:54 pm - 2:20 pm

Scientific Showcase: Top Abstract Discussion - Tumor/Neoplasms Panel

1:54 pm - 2:15 pm

Clinical Features, Neurologic Recovery, and Risk Prediction of Post-Operative Posterior Fossa Syndrome

Rahul Kumar

1:54 pm - 2:15 pm

Management Strategies for Recurrent Pediatric Craniopharyngioma: New Recommendations

Mohammed Fouda, MD

1:54 pm - 2:15 pm

Mutational and Gene Expression Landscapes of Two Novel Sonic-Hedgehog Medulloblastoma Sub-Subgroups in Children Under Five Years

Peter Adidharma (Indonesia)

1:54 pm - 2:15 pm

Predictors Of Seizure Freedom In Pediatric Low Grade Gliomas

Virendra R. Desai, MD

1:54 pm - 2:15 pm

The Phenotypic and Epigenetic Impact of SMARCB1 Restoration in Atypical Teratoid Rhabdoid Tumor

Cody Lee Nesvick, MD

2:15 pm - 2:20 pm

Break

2:20 pm - 2:46 pm

Scientific Showcase: Top Abstract Discussion - Socioeconomic Panel

2:20 pm - 2:41 pm

Comprehensive Policy Recommendations for the Treatment of Hydrocephalus and Spina Bifida in Low-and Middle Income Countries

Kathrin Zimmerman

2:20 pm - 2:41 pm

Representation of Women in the AANS/CNS Pediatrics Section & Annual Meetings

Gabrielle Johnson

2:20 pm - 2:41 pm

Rural-Urban Disparities and the Effects of Institutional Care Volume for Pediatric Traumatic Brain Injury Outcome

Pious D. Patel

2:20 pm - 2:41 pm

Standardization of Cerebrospinal Fluid Shunt Valves in Pediatric Hydrocephalus: An Analysis of Cost, Operative Time, Length of Stay, and Shunt Failure

Jessica Berns

2:20 pm - 2:41 pm

The Cost of a Concussion in American High School Football

Aaron Michael Yengo-Kahn, MD

2:41 pm - 2:46 pm

Break

2:46 pm - 3:12 pm

Scientific Showcase: Top Abstract Discussion - Spine Panel

2:46 pm - 3:07 pm

Diagnostic Accuracy Of An Abbreviated STIR Magnetic Resonance Imaging Sequence In Pediatric Spine Trauma

Christina Mieko Sayama, MD, MPH, FAANS

2:46 pm - 3:07 pm

Epidural Analgesia Reduces Postoperative Systemic Opioid Use Following Selective Dorsal Rhizotomy in Children

Madeline Karsten, BA

2:46 pm - 3:07 pm

Magnetic Resonance–Guided Laser Interstitial Thermal Therapy for Palliative Rhizotomy: A Novel Technical Application

Vijay Mysore Ravindra, MD

2:46 pm - 3:07 pm

Protocol-Driven Early Tracheal Extubation in Patients with Flaccid Neuromuscular Scoliosis and Pre-Existing Lung Disease

Jeffrey Bejan Hatef Jr., MD

2:46 pm - 3:07 pm

Risk Factors for Proximal Junctional Kyphosis (PJK) in Pediatric Deformity Patients Treated with Halo Gravity Traction (HGT) and Posterior Spinal Fusion (PSF)

Amir Amanullah

3:07 pm - 3:12 pm

Break

3:12 pm - 3:38 pm

Scientific Showcase: Top Abstract Discussion - Technical Advances Panel

3:12 pm - 3:33 pm

Comparison Of 2D Head Photography To Caliper And Optical Scanning For Assessing Craniometrics

Nathan Leclair

3:12 pm - 3:33 pm

Design and Testing of High Resistance Ventricular Catheters: An Initial Feasibility Study

Elsa Olson

3:12 pm - 3:33 pm

Pediatric Neurosurgical Care during the COVID-19 Pandemic: A Single Institutional Review

Katherine Kelly

3:12 pm - 3:33 pm

Postinfectious Hydrocephalus as an Infectious Disease Epidemic

Steven J. Schiff, MD, PhD, FAANS

3:12 pm - 3:33 pm

Stereo-electroencephalography (sEEG) in Pediatric Epilepsy Surgery: A 5-year Single-center Experience

Jean-Paul Bryant

3:33 pm - 3:38 pm

Break

3:38 pm - 4:04 pm

Scientific Showcase: Top Abstract Discussion - Trauma Panel

3:38 pm - 3:59 pm

Comparison of the Infant Face Scale to the Pediatric Glasgow Coma Scale for Predicting Neurologic Severity and Outcome in Children < Two Years of Age

Sarah H. Newman, MD

3:38 pm - 3:59 pm

Explanations for Racial Disparities in Childhood TBI Mortality: An Oaxaca-Blinder Deconstruction of Trauma Quality Improvement Program Data

Joseph H. Piatt Jr., MD, FAANS

3:38 pm - 3:59 pm

Long-term Functional Outcome Following Surgical Intervention for Pediatric Abusive Head Trauma

Jordan Bozer

3:38 pm - 3:59 pm

Protocolized management of isolated linear skull fractures at a Level 1 pediatric trauma center

Rebecca Anne Reynolds, MD

3:38 pm - 3:38 pm

Sex Differences in the Incidence, Severity, and Recovery of Concussion in Adolescent Student-Athletes from 2009-2019

Theodore Hannah

3:59 pm - 4:04 pm

Break

4:04 pm - 4:30 pm

Scientific Showcase: Top Abstract Discussion - Vascular/History/APP Panel

4:04 pm - 4:25 pm

Accuracy of Identifying Pediatric Craniofacial Abnormalities Requiring Surgical Intervention Through the Assessment of Caregiver Provided Photographs

Alexander Cheong (Canada)

4:04 pm - 4:25 pm

Brainstem Cavernous Malformations in the Pediatric Population: Natural History in Conservative vs. Operative Management

Coleman Riordan

4:04 pm - 4:25 pm

Hemispherectomy in Children with Epilepsy: A 10 Year Review

Wen Sha

4:04 pm - 4:25 pm

Initial Ventriculomegaly and Clot Volume Predicts Persistent Ventricular Dilatation in Piglet Model of Post-Hemorrhagic Hydrocephalus (PHH)

Grace Yee Yan Lai, MD

4:04 pm - 4:25 pm

Pediatric Subdural Empyema: A 10 Year Single Center Review

Laquata Boswell

4:04 pm - 4:25 pm

Research Productivity Of Pediatric Neurosurgeons In Canada

Farhan Mahmood (Canada)

4:25 pm - 4:30 pm

Break

1:00 pm - 2:00 pm

AAP/SONS Session

1:00 pm - 1:04 pm

Introduction of AAP/SONS Lecturer

Jonathan E. Martin, MD, FAANS

1:05 pm - 1:32 pm

AAP/SONS Lecture: Pediatrics - A Bright Future

Sara H. Goza, MD

1:33 pm - 2:00 pm

Interactive Question and Answer Session with AAP/SONS Lecturer

2:00 pm - 4:30 pm

Scientific Session II: Functional Topics

2:00 pm - 2:03 pm

Introduction to Session

Sandi K. Lam, MD, FAANS ; Brandon G. Rocque, MD, MS, FAANS

2:04 pm - 2:07 pm

Does Ventricle Size Contribute to Cognitive Outcomes in Post-Hemorrhagic Hydrocephalus: Importance of Early Definitive Intervention

Mounica Reddy Paturu

2:07 pm - 2:11 pm

Presentation, Management, and Outcome of Pediatric Thoracic Outlet Syndrome

Vineeth Thirunavu

2:11 pm - 2:15 pm

Surgical Outcomes of Revision Peri-Insular Hemispherotomy: A Single Institution Experience

Mohammed Omar Iqbal, MD

2:15 pm - 2:19 pm

Epilepsy Surgery in Young Children with Tuberous Sclerosis Complex: A Novel Hybrid Multimodal Surgical Approach

Vijay Mysore Ravindra, MD

2:19 pm - 2:23 pm

Complications Of Intrathecal Baclofen Therapy In Children And Young Adults

Megan Victoria Ryan

2:23 pm - 2:28 pm

Question and Answer Session with Abstract Authors

2:28 pm - 2:33 pm

#HalloweenChallenge Presentation and Awards

Sandi K. Lam, MD, FAANS

2:33 pm - 2:46 pm

Wireless, Skin-Like Biosensors for Pediatric Intensive Care

John A. Rogers, PhD

2:46 pm - 2:50 pm

Question and Answer Session with Speaker

2:50 pm - 3:03 pm

Break

3:03 pm - 3:07 pm

Patterns of Anti-Epileptic Drug Reduction after Resective Epilepsy Surgery in Children: A Nationwide Cross-Sectional Cohort Analysis

Jonathon J. Parker, MD, PhD

3:07 pm - 3:11 pm

Vagus Nerve Stimulation After Failed Cranial Epilepsy Surgery In Pediatric Patients

Nathan A. Shlobin

3:11 pm - 3:15 pm

Genome-Wide Association Study Identifies Genetic Risk Factors for Cerebral Palsy

Andrew T. Hale, PhD

3:15 pm - 3:19 pm

Single Center Cost Comparison Analysis Of Stereotactic Electrocohortography To Subdural Grid And Strip Implantation

Afshin Salehi, MS, MD

3:19 pm - 3:23 pm

Responsive Neurostimulation in Pediatric Drug-Resistant Epilepsy

Peter F. Morgenstern, MD

3:23 pm - 3:28 pm

Question and Answer Session with Abstract Authors

3:31 pm - 3:34 pm

Technique and Complication - Complex Case Discussion Panel: "How I Do It" Selective Dorsal Rhizotomy: Surgical Technique Variations

Michael David Partington, MD, FAANS

3:34 pm - 3:37 pm

Technique and Complication - Complex Case Discussion Panel: "How I Do It" Selective Dorsal Rhizotomy: Surgical Technique Variations

Robert John Bollo, MD, FAANS

3:37 pm - 3:40 pm

Technique and Complication - Complex Case Discussion Panel: "How I Do It" Selective Dorsal Rhizotomy: Surgical Technique Variations

Samuel R. Browd, MD, PhD, FAANS

3:40 pm - 3:43 pm

Technique and Complication - Complex Case Discussion Panel: "How I Do It" Selective Dorsal Rhizotomy: Surgical Technique Variations

Corbett Wilkinson, MD, FAANS

3:43 pm - 3:48 pm

Question and Answer Session with Speakers

3:48 pm - 3:52 pm

Microglial Replacement As A Novel Cellular Delivery Platform For Neurodevelopmental Disorders

Kevin K. Kumar, MD, PhD

3:52 pm - 3:56 pm

Improvement In Cognitive Performance After Surgical Decompression For Chiari 1 Malformation - A Prospective Study

Scott Seaman, MD

3:56 pm - 4:00 pm

Spinal Column Shortening for Secondary Tethered Cord Syndrome: Urodynamic and Patient-Reported Outcomes in Children and Transitional Adults

Luke McVeigh

4:00 pm - 4:04 pm

Responsive Neurostimulation In Pediatric Epilepsy: A Multi-Center Retrospective Study

Yasunori Nagahama, MD

4:04 pm - 4:09 pm

Question and Answer Session with Abstract Authors

4:09 pm - 4:13 pm

Neurologic and Clinical Outcomes in Infants and Children With a Fetal Diagnosis of AVID Complex

Natalie Limoges, DO

4:13 pm - 4:17 pm

Quality of Life and Satisfaction in Surgical versus Conservative Treatment of Non-Syndromic Children with Craniosynostosis

Nicholas Sader, MD (Canada)

4:21 pm - 4:25 pm

Radiographic Predictors of Clinical Presentation and Outcome in Chiari I Malformation

Eric Montgomery

4:25 pm - 4:30 pm

Question and Answer Session with Abstract Authors

4:30 pm - 5:30 pm

Meet the Leadership

ANNUAL MEETING PROGRAM SCHEDULE

FRIDAY, DECEMBER 4

12:00 pm - 1:00 pm

Noon Report

Neurosurgical Challenges in Neurofibromatosis Type 1: Novel Horizons in the Era of MEK Inhibition.

1:00 pm - 2:33 pm

Scientific Session III: Socioeconomic: Racial Equity, Social Equity, COVID-19 and Pediatric Neurosurgery

1:00 pm - 1:10 pm

Featured Talk: Racial equity in Pediatric Neurosurgery

O. Adetola Roberts, MD, FAANS

1:10 pm - 1:17 pm

Featured Talk: Socioeconomic Equity in Pediatric Neurosurgery

Jeffrey P. Blount, MD, FAANSs

1:17 pm - 1:24 pm

Featured Talk: Socioeconomic Equity in Pediatric Neurosurgery

Lauren Simpson, MD

1:24 pm - 1:28 pm

Featured Talk/Panel - How COVID-19 Impacted Resident Education

Jared Michael Robichaux, MD

1:28 pm - 1:32 pm

Featured Talk/Panel - How COVID-19 Impacted Resident Education

Yosef Dastagirzada, MD

1:32 pm - 1:36 pm

Featured Talk/Panel - How COVID-19 Impacted Resident Education

Constantine Karras, MD

1:36 pm - 1:40 pm

Featured Talk/Panel - How COVID-19 Impacted Resident Education

Rajeev Deb Sen, MD

1:40 pm - 1:50 pm

Break

1:40 pm - 1:50 pm

Question and Answer Session with Speakers

1:50 pm - 1:55 pm

Cerebral Revascularization Reduces Stroke in Sickle Cell Disease with Moyamoya Syndrome: Preliminary Results of the Stroke in Sickle Cell Revascularization Study (SiSCRS)

Philipp R. Aldana, MD, FAANS

1:55 pm - 1:59 pm

The Hydrocephalus Clinical Research Network: Evaluating Over a Decade of Progress

Rahul Kumar

1:59 pm - 2:03 pm

Implementation Of Telemedicine In Pediatric Neurosurgical Practice During The COVID-19 Pandemic: Does Virtual Care Perpetuate Health Care Disparities?

Randaline Barnett, MD

2:03 pm - 2:07 pm

Racial And Socioeconomic Disparities In Access To Surgical Care For Spasticity In Children

Eric Thomas Metzman

2:07 pm - 2:11 pm

Medical Malpractice Litigation Arising from Cerebrospinal Fluid Diversion

Jeffrey Bejan Hatef Jr., MD

2:11 pm - 2:15 pm

Resident Operative Experience in Pediatric Neurosurgery Across the United States

Rahul Kumar

2:15 pm - 2:19 pm

Hogs for the Cause: Helping the Impacted

Becker Hall

2:19 pm - 2:23 pm

Hogs for the Cause: Helping the Impacted

Rene A. Louapre

2:23 pm - 2:33 pm

Break

2:23 pm - 2:33 pm

Question and Answer Session with Abstract Authors and Speakers

2:33 pm - 4:00 pm

Scientific Session IV: Trauma/Critical Care - Hydrocephalus

2:33 pm - 2:48 pm

Follow the Patient -Interactive case-discussion following a patient from entering the ER through the full continuum of care: COVID-19 and Pediatric Neurosurgery.

Jerome Milton Volk III, MD

2:48 pm - 2:52 pm

Question and Answer Session with Speakers

2:52 pm - 2:56 pm

Prevalence of Subdural Hematomas in Pediatric Patients with Benign Expansion of the Subarachnoid Spaces

Katherine G. Holste, MD

2:56 pm - 3:00 pm

The “Brain Stethoscope”: A Non-Invasive Method for Detecting Elevated Intracranial Pressure (An Expanded Trial)

Nathan Kostick

3:00 pm - 3:04 pm

Sport Participation Following Craniostomy Correction: A Survey Study

Aaron Michael Yengo-Kahn, MD

3:04 pm - 3:08 pm

Multi-Center Validation of the Condylar-C2 Sagittal Vertical Alignment (C-C2SVA) in Chiari I Malformation: A Study Utilizing the Park-Reeves Syringomyelia Research Consortium

Vijay Mysore Ravindra, MD

3:08 pm - 3:12 pm

Clinical Significance of Craniovertebral Joint Anomalies in Chiari I Malformation

Eric Montgomery

3:12 pm - 3:16 pm

Routine Use Of Intradural Tonsillar Coagulation (Tonsillopexy) In Pediatric Chiari Decompression Surgery Results In Longer Hospital Stays And Increased Anti-emetic Use.

Ryan James Jafrani, MD

3:16 pm - 3:20 pm

Question and Answer Session with Abstract Authors

3:20 pm - 3:24 pm

Hydrocephalus Surveillance: A Survey of Surgeons in the Hydrocephalus Clinical Research Network

David S. Hersh, MD

3:24 pm - 3:28 pm

Alterations in Brain Structure Underlie Genetic Risk of Hydrocephalus

Andrew T. Hale, PhD

3:28 pm - 3:32 pm

Investigation Of Non-invasive, Bedside Measurements Of Intracranial Pressure In Infant Hydrocephalus

Tracy Ma Flanders, MD

3:32 pm - 3:36 pm

Comparing Anterior and Posterior Entry Site for CSF Shunt Insertion: An HCRN Randomized Trial

William E. Whitehead, MD, MPH, FAANS

3:36 pm - 3:40 pm

Question and Answer Session with Abstract Authors

3:40 pm - 3:44 pm

Complement Activation Leads to Worse Cognitive Outcomes Following Germinal Matrix Hemorrhage in a Chronic Mouse Model

Mohammed Alshareef, MD

3:44 pm - 3:48 pm

Programmable Shunt Valves Can Be Investigated Accurately Using Smartphones

Smruti K. Patel, MD

3:48 pm - 3:52 pm

Does Hemorrhage After Proximal Shunt Revision Predict Subsequent Shunt Failure.

Karl Erach Balsara, MD

3:52 pm - 3:56 pm

Treatment Strategies for Dandy-Walker Malformation-Related Hydrocephalus: Evaluating Procedure Selection and Success Within the Hydrocephalus Clinical Research Network

Aaron Michael Yengo-Kahn, MD

3:56 pm - 4:00 pm

Break

3:56 pm - 4:00 pm

Question and Answer Session with Abstract Authors

4:00 pm - 4:15 pm

Closing Remarks

SUPPORTERS

This course is supported by an educational grant from Medtronic.

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