Forty-Eighth
CNS ANNUAL MEETING

October 23-26, 2019
THE WESTIN CHARLOTTE AND
THE CHARLOTTE CONVENTION CENTER
Learning Objectives

The 2019 CNS Scientific Program

The CNS Scientific Program is designed by and is primarily intended for child neurologists and professionals in other fields of study related to neurologic and developmental disorders in children and adolescents. "As a result of attending this meeting the physician will be better able to care for children with neurological disease through an understanding of recent advances in neuroscience, neuro-diagnostics and therapeutics relevant to child neurology."
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 Minnesota Medical Association and Child Neurology Society. The Minnesota Medical Association (MMA) is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

CME Statement

The Minnesota Medical Association designates this live activity for a maximum of 28.5 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Agenda and amount of CME credits available are subject to change. SESSIONS highlighted in red are designated for CME credit.
NDC 2019 on CNS tumors will review developments in understanding the molecular pathogenesis of pediatric brain tumors, and how more targeted therapies are improving life expectancy and quality of life.

Learning Objectives:
As a result of this educational session, participants will be able to:
1. Describe molecular advances in tumor classification
2. Better understand the evolution of targeted therapies
3. More clearly formulate a treatment plan for patients

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. New diagnostic strategies
2. Incorporating modern targeted therapies
3. Encouraging accrual to novel clinical trials

Organizer:
Bernard L. Maria, MD, MBA
Goryeb Children’s Hospital,
Morristown, NJ

7:45 AM - 8:00 AM
OPENING COMMENTS/INTRODUCTION
Bernard L. Maria, MD, MBA
Goryeb Children’s Hospital,
Morristown, NJ

8:00 AM - 10:20 AM
SESSION I: CLINICAL ASPECTS
Co-Director and Moderator:
Nada Jabado, MD, PhD
McGill University, Montreal,
QC, Canada

8:00 AM - 8:20 AM
Overview of Clinical Aspects
Nada Jabado, MD, PhD

8:20 AM - 8:50 AM
Neuroimaging: Novel Investigations and Limitations
Kristen Yeom, MD
Lucile Packard Children’s Hospital at Stanford University,
Palo Alto, CA

8:50 AM - 9:20 AM
Neuropathology and Molecular (Re-) Classification
Cynthia Hawkins, MD, PhD, FRCP
The Hospital for Sick Children,
University of Toronto, Toronto,
ON, Canada

9:20 AM - 9:50 AM
Significance and Limitations of Molecular Data
Scott Pomeroy, MD, PhD
Harvard Medical School,
Boston Children’s Hospital,
Boston, MA

9:50 AM - 10:20 AM
Molecular Diagnosis in Embryonal, Glial and Ependymal Tumors
David T.W. Jones, PhD
Cancer Research Center,
Heidelberg, Germany

10:20 AM - 10:30 AM
Question and Answer Session

10:30 AM - 10:45 AM
Coffee Break

10:45 AM - 11:05 AM
Overview of Pathogenesis and Mouse Modeling
Robert Wechsler-Reya, PhD

11:05 AM - 11:35 AM
Neoplastic Transformation
David H. Gutmann, MD, PhD, FAAN
Washington University School of Medicine, St. Louis, MO

11:35 AM - 12:05 PM
Genetic Predisposition Syndromes and Epigenetics
Nada Jabado, MD, PhD

12:05 PM - 12:35 PM
RAS-MAPK and Other Critical Molecular Pathways
Paul Northcott, PhD
St. Jude Children’s Research Hospital, Memphis, TN

12:35 PM - 12:45 PM
Session Break

12:45 PM - 1:45 PM
Lunch with Foundation/ Association (e.g. PBTF) Presentation

1:45 PM - 4:05 PM
SESSION III: THERAPY
Co-Director and Moderator:
Roger Packer, MD
Brain Tumor Institute,
Children’s National Medical Center,
Washington, DC

1:45 PM - 2:05 PM
Overview of Clinical and Translational Trials
Nicole Ullrich, MD, PhD
Boston Children’s Hospital,
Boston, MA

2:05 PM - 2:35 PM
Targeted Therapies
Roger Packer, MD
2:35 PM - 3:05 PM
Radiotherapy
Tom Merchant, DO, PhD
St. Jude Children's Research Hospital, Memphis, TN

3:05 PM - 3:35 PM
Immunotherapy
Eugene Hwang, MD
Center for Cancer and Blood Disorders, Children’s National Medical Center, Washington, DC

3:35 PM - 4:05 PM
Late Effects: Prevention and Management
Elizabeth Wells, MD, MHS
Brain Tumor Institute, Children's National Medical Center, Washington, DC

4:05 PM - 4:20 PM
EXECUTIVE SUMMARY OF THE DAY
Nada Jabado, MD, PhD
Roger Packer, MD
Robert Wechsler-Reya, PhD

4:20 PM - 4:55 PM
SESSION IV: FUTURE DIRECTIONS & QUESTION AND ANSWER SESSION
Moderator: Bernard L. Maria, MD, MBA
Panelists:
Roger Packer, MD
Nada Jabado, MD, PhD
Robert Wechsler-Reya, PhD
Nicole Ulrich, MD, PhD
Nina F. Schor, MD, PhD
National Institute of Neurological Disorders and Stroke, Bethesda, MD

4:55 PM - 5:00 PM
Closing Comments
Bernard L. Maria, MD, MBA

2:00 pm - 5:00 pm
PROFESSORS OF CHILD NEUROLOGY (PCN) MEETING

Learning Objectives
1. Approaches for improving faculty and resident wellness including personal, mentoring, and institutional strategies
2. Approaches for assessing resident competency through structured clinical exams

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Strategies to reduce risk of burnout and improve wellness in residents and faculty
2. Strategies for development of structured clinical exams for assessment of resident performance

Moving Beyond Burnout to Building a Wellness Curriculum
Tim Lotze, MD
Baylor College of Medicine, Houston, TX

Wellness Mentoring for Faculty
Brenda Banwell, MD, FRCP, FAAN
Children’s Hospital of Philadelphia, Philadelphia, PA

Imposter Syndrome in Neurology
Jennifer Muncy Thomas, MD
University of Texas Southwestern Medical Center, Dallas, TX

Creating an OSCE for Your Residents
Dara Albert, DO, MEd
Nationwide Children’s Hospital, Columbus, OH

6:00 PM - 7:30 PM
WELCOME RECEPTION
Supported by Atrium Health Services, Charlotte, NC

7:45 PM - 9:30 PM
LEGACY RECEPTION
Awards Presented
Roger & Mary Brumback Lifetime Achievement Awards:
Carol Camfield, MD
H. Terry Hutchison, MD

Ed Dodson, MD
Arnold P. Gold Foundation Humanism in Medicine Award

CNS/PCN Outstanding Training Director: TBA

8:00 PM - 10:00 PM
MOVEMENT DISORDERS SIG
Course Description
Basic ethical principles will be reviewed. A broad overview of current marijuana legislation will be presented. Differences between pharmaceutical, antiepileptic, and artisanal cannabidiol preparations will be presented and compared with respect to treatment of epilepsy. Ethical considerations and cases will be reviewed and discussed with the expert panel.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Understand the current state and federal legalization of cannabidiol in the United States and will understand the differences between pharmaceutical-grade cannabidiol and preparations that are available through a medical marijuana dispensary
2. Understand the basic ethical principals raised by the availability of these products and will be able to apply these principals when making individual patient decisions

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Ethical principles applied to legal prescription of pharmaceutical cannabidiol and patient use of an artisanal cannabidiol preparation
2. Discussing the differences between pharmaceutical, antiseizure, and artisanal cannabidiol

Organizer and Moderator:
Kathryn McVicar, MD
Yale New Haven Children's Hospital, New Haven, CT

Marijuana Legality:
A Moving Target
Amy Brooks-Kayal, MD
Children's Hospital Colorado, Aurora, CO

Pharmaceutical Cannabidiol in Epilepsy
Anup Patel, MD
Nationwide Children's Hospital, Columbus, OH

Artisanal Cannabidiol in the Community
Kathryn McVicar, MD
Yale New Haven Children's Hospital, New Haven, CT

Case Presentations

BREAKFAST 2: CLINICAL RESEARCH IN AUTISM: TRIALS AND TRIBULATIONS
Course Description
This symposium will review the challenges and opportunities in clinical trials in children with autism, with presentations about (1) research in mechanistic biomarkers, (2) considerations in clinical endpoints, (3) results from recent clinical trials and (4) emerging therapeutic studies.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Discuss the challenges of designing and implementing clinical trials in children with autism
2. Understand recent clinical trial findings regarding evidence-based treatment and related ongoing studies in children with autism

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Identifying treatments resulting from well-designed clinical research trials
2. Counsel patients on entry into clinical trials and decisions around which therapeutics have enough evidence to consider.

Organizer:
Ann Neumeyer, MD
Massachusetts General Hospital for Children, Lexington, MA

**Biomarkers for Clinical Trials in Autism Spectrum Disorder**
Shafali Jeste, MD
UCLA David Geffen School of Medicine, Los Angeles, CA

**Measuring Meaningful Change in Individuals with Autism Spectrum Disorder**
Audrey Thurm, PhD
National Institute of Mental Health, Bethesda, MD

**Therapeutic Studies in Autism Spectrum: The Past**
Ann Neumeyer, MD

**Therapeutic Studies in Autism Spectrum Disorder: The Future**
Evdokia Anagnostou, MD
Bloorview Research Institute, Toronto, Ontario, Canada

**BREAKFAST 3: TRAUMA BAY-TO-CLASSROOM: BARRIERS TO SCHOOL RE-ENTRY AFTER ACQUIRED BRAIN INJURY**

Course Description
Children with neurologic disease are frequently hospitalized for complaints requiring short-term diagnostic admission ranging up to months-long rehabilitation. The hospital stay interferes with a normal participation in education, posing threat to cognitive, social, and emotional development. Many hospitals palliate this absence with on-ward educators who provide individualized instruction between hospital procedures and therapies. Unfortunately, the patient’s withdraw from a healthy peer group and participation in routine socialization is not as easily supplemented. In children who are recovering from a neurologic event, the persistence of acquired brain injury (ABI) sequelae further interferes with school re-entry. These students experience impairments in communication, fine motor skills, processing speed, memory, mood regulation, attention, among other symptoms. Clinicians asked to craft school-based accommodations struggle with unfamiliarity with curriculum requirements, regulations and practical capacity of the many school districts to which their students return. This symposium addresses the arc from brain injury to early physical recovery, symptoms and deficits associated with acquired brain injury, considerations for educational and behavioral supports necessary for optimizing patients’ recovery, including behavioral and academic outcomes, and strategies for programming a successful school re-entry. Speakers will review the molecular pathophysiologic stress responses to brain injury, with specific attention to cognitive and behavioral dysregulation after focal injury. We review challenges facing children with cognitive and behavioral deterioration after ABI and implications for supporting parents and collaborating with schools. And we discuss improving educational outcomes for children returning to school or seeking new educational supports following hospitalization. Symposium attendees will become familiar with common cognitive, behavioral, and emotional risks to school re-entry after ABI and learn skills for connecting parents to advocates and services that can facilitate this return.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Describe the pathophysiological responses of acquired brain injury and predictors of neurocognitive decline
2. Describe support systems for school re-entry, highlighting parent and advocate resources for achieving this goal

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Surveying for risks to school re-entry after acquired brain injury
2. Connecting parents to advocates and services that will facilitate school re-entry and individualized educational programming (IEP) processes for children following acquired brain injury

Organizer
John Taylor, MD
Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

**Acute Brain Injury Pathophysiology and Potential Relationship to Neurobehavioral Sequela**
Jonathan Kurz, MD, PhD
Ann & Robert H. Lurie Children’s Hospital, Chicago, IL

**Learning and Behavioral Challenges Following ABI: Supporting Parents & Teachers**
Jennifer Frey, PhD, BCBA-D
Special Education & Disability Studies, Washington, DC

**Promoting Hope through Strategic School Supports: A Model for Overcoming the Barriers**
Patricia Dillhoff, MAT
Cincinnati Children’s Hospital Medical Center, Cincinnati, OH

SECTIONS highlighted in maroon are designated for CME credit. Agenda and amount of CME credits available are subject to change.
Course Description
Next generation sequencing technology has ushered in a new era of gene discovery, rapid diagnosis, and expanding knowledge of the vast spectrum of neurological diseases. We have learned that mutations in a single gene can result in multiple disease phenotypes and that a single disease phenotype may be caused by mutations in multiple genes. In this symposium, speakers will provide an update on scientific advances and clinical implications in the increasingly complex neurogenetics arena.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Understand differences in genetic testing methodologies, as well as strengths and limitations of each approach
2. Recognize the evolving knowledge of the phenotypic spectrum of monogenic neurological disorders

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Developing a systematic approach to genetic testing in the diagnosis of neurological disease
2. Identifying resources for evaluation of variants of unknown significance

Organizers:
Jonathan Mink, MD, PhD and Erika Fullwood Augustine, MD; University of Rochester, Rochester, NY

Genetic Diagnostics for Our Child Neurology Patients: Where Are We Today?
Alexander Paciorkowski, MD
University of Rochester Medical Center, Rochester, NY

Big Data Solutions to Variants of Uncertain Significance
Christina Gurnett, MD, PhD
Washington University School of Medicine, St. Louis, MO

ATP1A3 Disorders, From Gene Discovery to Expanding Phenotypic Spectrum
Allison Brashear, MD, MBA
University of California Davis, Sacramento, CA

Pathophysiology and Treatment Implications of Pleiotropy and Heterogeneity in Neuromuscular Diseases
Carsten Bönnemann, MD
National Institute of Neurological Disorders and Stroke, Bethesda, MD

12:00 PM - 12:45 PM
MEET THE EXPERTS: TBI

Learning Objectives
As a result of this educational session, participants will be able to:
1. Identify common persistent post concussive symptoms, manage these symptoms effectively, and counsel young athletes on return-to-play after concussion
2. Understand the role of the pediatric neurologist in the decision-making process when considering if it is appropriate to retire a player from a sport due to concussion(s)

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Diagnosis and treatment of persistent post concussive symptoms, and utilization of best evidence-based guidelines when counseling patients on return to play

Organizer & Moderator:
Rachel Pearson, MD

12:00 PM - 12:05 PM
Introduction
Rachel Pearson, MD
UCLA, Los Angeles, CA

12:05 PM - 12:20 PM
Case #1: What a Pain: Post-traumatic Headache in an Adolescent Hockey Player
Raquel Langdon, MD
Children’s National, Washington, DC

12:20 PM - 12:35 PM
Case #2: Going Back for More: Complex Decision-making for a Young Football Player
Christopher, Giza, MD
UCLA, Los Angeles, CA

12:35 PM - 12:45 PM
Questions for Expert Panel
Moderator:
Rachel Pearson, MD
UCLA, Los Angeles, CA

Panelists
Raquel Langdon, MD
Children’s National, Washington, DC
Christopher, Giza, MD
UCLA, Los Angeles, CA
Meeryo Choe, MD
UCLA, Los Angeles, CA
Sharief Taraman, MD
Children’s Hospital of Orange County, Orange, CA

12:00 PM - 12:45 PM
MEET THE EXPERTS: EPILEPSY

Learning Objectives
As a result of this educational session, participants will be able to:
Identify opportunities for epilepsy surgery for selected children with severe drug-resistant epilepsy and complicated features on EEG and imaging.

Organizer & Moderator:
Rachel Pearson, MD

12:00 PM - 12:05 PM
Introduction
Rachel Pearson, MD
UCLA, Los Angeles, CA

12:05 PM - 12:20 PM
Panelists
Christopher, Giza, MD
UCLA, Los Angeles, CA
Sharief Taraman, MD
Children’s Hospital of Orange County, Orange, CA

12:20 PM - 12:35 PM
Questions for Expert Panel
Moderator:
Rachel Pearson, MD
UCLA, Los Angeles, CA

Panelists
Ruqel Langdon, MD
Children’s National, Washington, DC
Christopher, Giza, MD
UCLA, Los Angeles, CA
Meeryo Choe, MD
UCLA, Los Angeles, CA
Sharief Taraman, MD
Children’s Hospital of Orange County, Orange, CA

SESSIONS highlighted in maroon are designated for CME credit. Agenda and amount of CME credits available are subject to change.
Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
Selection of pediatric candidates for epilepsy surgery.

Moderator & Expert
Elaine Wyllie, MD
Cleveland Clinic Lerner College of Medicine, Cleveland, OH

Emerging Opportunities for Epilepsy Surgery in Complex Cases
Case Study #1, #2, #3
Elaine Wyllie, MD
Cleveland Clinic Lerner College of Medicine, Cleveland, OH

Panelists
Elia Pestana-Knight, MD
Cleveland Clinic Epilepsy Center, Cleveland, OH
Dave Clarke, MD, Dell Medical School, University of Texas, Austin, TX
Sucheta Joshi, MD, MS, FAES, FAAP
Michigan Medicine, Ann Arbor, MI
William Gaillard, MD
Children's National Medical Center, Washington, DC

12:45 PM - 2:00 PM
GUIDED POSTER TOURS & EXHIBITS (LUNCH SERVED)

2:00 PM - 4:00 PM
SYMPOSIUM III: INFANTILE SPASMS: MAKING PROGRESS

Course Description
For children with infantile spasms, outcomes depend on several modifiable risk factors such as early recognition of the syndrome, standard treatment, and appropriate follow up. Since infantile spasms are rare, clinical advances require multicenter collaborative research. Although much progress has been made, multiple areas of controversy remain. This symposium will provide an update on recent practice-changing clinical research for infantile spasms. We will review key topics, such as diagnosis and etiologies, EEG findings, evidence for treatment and what to do when standard treatments fail.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Be familiar with etiologies associated with West syndrome
2. Recognize other syndromes that may be confused with West syndrome
3. Identify children who would benefit from referral to an epilepsy center for surgical evaluation
4. Identify factors that may influence treatment outcome (e.g. EEG findings and etiology)
5. Be familiar with evidence that supports standard treatment recommendations

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. The diagnostic evaluation of infants with suspected infantile spasms
2. The evidence-based approach to treatment of infantile spasms
3. Avoidance of non-standard medications for treatment of infantile spasms
4. Increased referral to epilepsy centers for ketogenic diet and epilepsy surgery evaluations when first-line medications fail

Organizer:
Kelly Knupp, MD, MSCS
University of Colorado, Aurora, CO

Co-Organizer & Moderator:
Renée Shellhaas, MD, MS
University of Michigan, Ann Arbor, MI

Introduction
Kelly Knupp, MD, MSCS
University of Colorado, Aurora, CO

What is West Syndrome?
Katherine Nickels, MD
Mayo Clinic, Rochester, MN

The H Word
Courtney Wusthoff, MD, MS
Stanford University, Palo Alto, CA

Mythbusters – Debunking Common Misperceptions About Infantile Spasms
Scott Demarest, MD
University of Colorado, Aurora, CO

Debate: Early vs Later Surgery
Elaine Wyllie, MD
Cleveland Clinic, Cleveland, OH
Sarah Kelley, MD
Johns Hopkins, Baltimore, MD

What is the Evidence for Treatment of Infantile Spasms?
Kelly Knupp, MD, MSCS
University of Colorado, Aurora, CO

Conclusions & Questions
Renée Shellhaas, MD, MS
University of Michigan, Ann Arbor, MI

4:00 PM - 5:30 PM
GUIDED POSTER TOURS, POSTER REVIEW & EXHIBITS (WINE & CHEESE SERVED)

Exhibit Hall Hours
100 booths, 275 posters

Wednesday: 6:00 PM - 7:30 PM with Welcome Reception
Thursday: 11:30 AM – 6:00 PM Lunch and afternoon Wine & Cheese Reception
Friday: 7:00 AM - 10:30 AM Breakfast Served 7:00 AM – 8:15 AM
Friday, October 25

7:00 AM - 8:15 AM
CNS HUMANISM IN MEDICINE WORKSHOP 2019:
USING HUMANISM TO IMPROVE PATIENT CARE IN CHILD NEUROLOGY
RESERVED SEATING - CNS JUNIOR MEMBERS GIVEN PRIORITY

CNS Junior Members supported by the CNS and made possible with a grant from the Arnold P. Gold Foundation

Being Good at Breaking Bad News to Patients and Parents

Organizer and Moderator
Nigel Bamford, MD
New Haven Children’s Hospital, New Haven, CT

Panelists
Audrey Foster Barber, MD, PhD
UCSF Medical Center, San Francisco, CA
Sonia Partap, MD, MS
Lucile Packard Children’s Hospital at Stanford, Stanford University, Palo Alto, CA

7:00 AM - 8:15 AM
GUIDED POSTER TOURS, POSTER REVIEW & EXHIBITS (BREAKFAST SERVED)

8:30 AM - 10:15 AM
PLATFORM SESSIONS: I, II & III

Learning Objectives
As a result of this educational session, participants will be able to:
1. Recognize and discuss therapeutic advances in therapy development for neurological disorders affecting children.
2. Discuss new translational insights into pathogenesis of pediatric neurological disorders.
3. Appreciate the relevance of recent clinical studies to the practice of child neurology

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Incorporating evidence-based treatment strategies into daily management for patients with childhood neurological disorders.
2. Recognizing risk factors for neurodevelopmental and other neurological disorders in my patient population

PLATFORM SESSION 1

8:30 AM - 8:45 AM
PL1-1: Marc Patterson (Rochester, MN) et al
Treatment in Niemann Pick Type C Patients with an HSP Amplifier: Results from a Randomised Placebo-controlled, Double-blind Interventional Trial
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker/Location</th>
<th>Abstract</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:45 AM - 9:00 AM</td>
<td>PL1-2: Cesar Ochoa-Lubinoff (Chicago, IL) et al</td>
<td><strong>STARS: Results from a safety and efficacy study of OV101 (gaboxadol) in adults and adolescents with Angelman syndrome</strong></td>
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<tr>
<td>9:00 AM - 9:15 AM</td>
<td>PL1-3: Richard Finkel (Orlando, FL) et al</td>
<td><strong>Treatment of Young Boys with Duchenne Muscular Dystrophy with the NF-κB Inhibitor Edasalonexent Showed a Slowing of Disease Progression as Assessed by MRI and Functional Measures</strong></td>
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<tr>
<td>9:15 AM - 9:30 AM</td>
<td>PL1-4: Angela Schulz (Hamburg, Germany) et al</td>
<td><strong>Persistent treatment effect of cerliponase alfa in children with CLN2 disease: A 3 year update from an ongoing multicenter extension study</strong></td>
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<tr>
<td>9:30 AM - 9:45 AM</td>
<td>PL1-5: Richard Finkel (Orlando, FL) et al</td>
<td><strong>Intrathecal Administration of Onasemnogene Abeeparvovec Gene-Replacement Therapy (GRT) for Spinal Muscular Atrophy Type 2 (SMA2): Phase 1/2a Study (STRONG)</strong></td>
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<td>9:45 AM - 10:00 AM</td>
<td>PL 1-6: Adeline Vanderver (Philadelphia, PA) et al</td>
<td><strong>Open label use of the Janus kinase inhibitor baricitinib in a genetic interferonopathy, Aicardi Goutières Syndrome</strong></td>
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<td>10:00 AM - 10:15 AM</td>
<td>PL 1-7: Praveen Raju (New York, NY) et al</td>
<td><strong>Nanotherapeutic targeting of tumor endothelium enhances drug delivery past the blood-brain-barrier in pediatric medulloblastoma</strong></td>
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<td>10:00 AM - 10:15 AM</td>
<td>PL 1-8: Divakar Mithal (Chicago, IL) et al</td>
<td><strong>A text-based search of electronic medical records accurately identifies patients with mitochondrial disease and enables analysis of clinical and genetic data</strong></td>
<td></td>
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<td>8:30 AM - 8:45 AM</td>
<td>PL 2-1: Michelle Yun (New York, NY) et al</td>
<td><strong>Effect of Anti-Epileptic Drug Prophylaxis on Time to First Seizure Diagnosis in Children with Brain Tumors, Using National Medicaid Claims from 2009 to 2012</strong></td>
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<td>8:45 AM - 9:00 AM</td>
<td>PL 2-2: Dmitry Tchapyjnikov (Durham, NC) et al</td>
<td><strong>Delayed Time to EEG Placement is Associated with Longer Seizure Duration in Refractory Pediatric Status Epilepticus (the pSERG Cohort)</strong></td>
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<td>9:00 AM - 9:15 AM</td>
<td>PL 2-3: Monica Lemmon (Durham, NC) et al</td>
<td><strong>Parent experience of caring for neonates with seizures</strong></td>
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<td>9:15 AM - 9:30 AM</td>
<td>PL 2-4: Sucheta Joshi (Ann Arbor, MI) et al</td>
<td><strong>Integrating Quality Improvement into the ECHO Model to Improve Care for Children and Youth with Epilepsy</strong></td>
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<td>9:30 AM - 9:45 AM</td>
<td>PL 2-5: David Ritter (Cincinnati, OH) et al</td>
<td><strong>In Silico Predictions of KCNQ Channel Variant Pathogenicity in Epilepsy</strong></td>
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<td>10:00 AM - 10:15 AM</td>
<td>PL 2-6: Shannon Kruk (Bethesda, MD) et al</td>
<td><strong>Vulnerability of pediatric patients with mitochondrial disease to vaccine preventable diseases</strong></td>
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<td>8:30 AM - 8:45 AM</td>
<td>PL 3-1: Elizabeth Pulcine (Toronto, Ontario) et al</td>
<td><strong>The safety of antithrombotic therapy in pediatric cardioembolic arterial ischemic stroke</strong></td>
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<td>8:45 AM - 9:00 AM</td>
<td>PL 3-2: Mahmoud Slim (Toronto, Ontario) et al</td>
<td><strong>Long term neuropsychological outcomes following cerebral sinovenous thrombosis in childhood</strong></td>
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<td>9:00 AM - 9:15 AM</td>
<td>PL 3-3: Nabeel Hashmi (Portland, ME) et al</td>
<td><strong>Delayed Initiation of Therapeutic Hypothermia for Outborn Infants is Associated with Adverse Outcomes</strong></td>
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<td>9:15 AM - 9:30 AM</td>
<td>PL 3-4: Giulia Benedetti (Ann Arbor, MI) et al</td>
<td><strong>EEG Background Could Inform Optimal Duration of Monitoring for Neonatal Encephalopathy Treated With Therapeutic Hypothermia</strong></td>
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11:00 AM – 11:30 AM

DODGE YOUNG INVESTIGATOR AWARD LECTURE:
HUMAN STEM CELL MODELS OF GENETIC EPILEPSIES

Louis Dang, MD
University of Michigan, Ann Arbor, MI

Course Description
The recent explosive discovery of genetic causes of epilepsy has provided insights into molecular pathways involved in epileptogenesis. This lecture will describe the use of human induced pluripotent stem cells (iPSCs) as a model to study how pathogenic genetic variants in the mammalian target of rapamycin (mTOR) pathway and in sodium channel genes affect cortical development and epileptogenesis. Furthermore, we will discuss a strategy to augment expression of SCN1A, a gene that encodes a voltage-gated sodium channel, by targeting upstream open reading frames, as a potential therapy for Dravet Syndrome.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Identify advantages and limitations of human stem cell studies of genetic epilepsies
2. Recognize how anti-sense oligonucleotides can be used to augment translation of specific proteins

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Recognizing opportunities for collaboration between children with rare genetic epilepsies
2. Discussion of emerging targeted therapies for rare genetic epilepsies

11:30 AM - 12:15 PM

BERNARD SACHS AWARD LECTURE:
NEURODEVELOPMENTAL ORIGIN OF CHILDHOOD CENTRAL NERVOUS SYSTEM TUMORS

Scott L. Pomeroy, MD, PhD
Boston Children’s Hospital, Boston, MA

Course Description
Recent evidence using molecular genomics has demonstrated that childhood brain tumors arise from neural progenitor cells at specific stages of development. This information has shaped a new generation of therapies targeting molecular mechanisms of oncogenesis.
Learning Objectives
As a result of this educational session, participants will be able to:
1. Name the major classes of central nervous system tumors in children
2. Understand the basic principles of therapy for malignant brain tumors

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Management of children with brain tumors
2. Teaching about the cellular and molecular origins of brain tumors and other cancers

12:30 AM - 1:45 PM
LUNCH, SIG MEETINGS, BEST OF SHOW

2:15 PM - 4:15 PM
SYMPOSIUM IV: CURRENT CONCEPTS IN PEDIATRIC NEUROLOGICAL INFECTIONS

Course Description
This symposium will provide the latest information and concepts regarding viral infections of the pediatric central nervous system. Participants will learn how congenital viral infections induce neurologic birth defects and can cause progressive neurologic deficits, including sensorineural hearing loss. In addition, attendees will learn how selected postnatally-acquired viral infections can induce encephalitis and acute flaccid myelitis.

Learning Objectives
As a result of this educational session, participants will be able to:
1. The patterns of neuropathology and neurological deficits, including sensorineural hearing loss, induced by congenital infection with lymphocytic choriomeningitis virus (LCMV), Zika virus, and cytomegalovirus (CMV)
2. Recognize the clinical manifestations of acute flaccid myelitis, infectious encephalitis, and auto-immune encephalitis and will become better aware of treatment options for them

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Evaluating and treating acute flaccid myelitis and encephalitis due to viral, bacterial, parasitic, and autoimmune causes
2. Recognizing brain malformations due to congenital LCMV and Zika virus infection and detecting and treating infants and children with CMV-induced hearing loss

Organizer:
Daniel Bonthius, MD, PhD
Levine Children’s Hospital – Atrium Health, Charlotte, NC

LCMV and Zika Virus: How Viruses Damage the Fetal Brain
Daniel Bonthius, MD, PhD
Levine Children’s Hospital – Atrium Health, Charlotte, NC

CMV and Sensorineural Hearing Loss: Diagnosis and Management
James Bale, Jr., MD
University of Utah, Salt Lake City, UT

Acute Flaccid Myelitis
Gary Nelson, MD
University of Utah, Salt Lake City, UT

Encephalitis: Infectious and Immune-Mediated
Carol Glaser, DVM, MPVM, MD
Kaiser Oakland Medical Center, Oakland, CA

4:30 PM - 5:15 PM
JUNIOR MEMBER SEMINARS

Junior Member Seminar 1: Medical Students: Finding a Residency

Junior Member Seminar 2: Residents: Finding a Fellowship

Junior Member Seminar 3: Residents & Fellows: Getting Your First Job

4:30 PM-5:30 PM
EDUCATION SIG

Learning Objectives
As a result of this educational session, participants will be able to:
1. Present a summary of the current status of medical education with challenges nationally and globally.
2. What could be done to improve the quality of child neurology education to meet future challenges?
3. Present the new M1 neuroscience course at the university of Mississippi, which is a vertical connection on the work I presented last year for the M2

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Major needs to improve the quality of child neurology education to meet future challenges
2. How to integrate early on in medical education basic and clinical science horizontally and vertically

Organizer:
Tarif Bakdash, MD, MHSc, MEHP
Professor, Oakland University, William Beaumont Children’s Hospital

Are We Educating Our Medical Students and Child Neurology Residents for the Future?
Tarif Bakdash, MD, MHSc, MEHP
Professor, Oakland University, William Beaumont Children’s Hospital

Case-based Learning and Systems-based Curriculum for First-year Medical Students: Neuroscience and Behavior
Riddhiben Patel, MD
University of Mississippi Medical Center, Jackson, MS

7:00 PM - 9:00 PM
CLOSING RECEPTION
(DJ & Dancing to follow)
Saturday, October 26

7:00 AM - 8:15 AM
BREAKFAST SEMINARS 4, 5 & 6

BREAKFAST 4: TREATABLE BRAIN METABOLIC DISORDERS

Course Description
This symposium will provide a comprehensive overview of treatable metabolic disorders with neurologic manifestations, including how to identify, workup, and treat children with neurometabolic disorders.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Identify patients who may have treatable neurometabolic disorders
2. Perform an appropriate workup to diagnose treatable neurometabolic disorders

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Diagnostic testing I perform on children with intellectual disability
2. Treating and referring children with neurometabolic disorders

Organizer:
Barry Kosofsky, MD, PhD
Weill-Cornell Medical College, New York, NY

Biomarkers of Rare Disease: What Can Brains and Genes Tell Us?
Andrea Gropman, MD
Children's National Health System, Washington, DC

Expanding Horizons in “Treatable” Epileptic Encephalopathies
John M. Schreiber, MD
Children's National Medical Center, Washington, DC

Approach to Treatment in Neurometabolic Disorders with Updates on Novel Therapeutics
Gabriella Horvath, MD, PhD
BC Children's Hospital, Vancouver, BC, Canada

BREAKFAST 5: NF1: UPDATED DIAGNOSTIC CRITERIA, NEW GUIDELINES AND TARGETED THERAPIES – THE FIRST-HAND SCENE IN 2019

Brief Course Description
Neurofibromatosis type 1 (NF1) is a common autosomal dominant disorder with varied clinical manifestations, including café au lait macules, skin fold freckling, optic pathway glioma, long bone dysplasia, plexiform neurofibromas, scoliosis/bony abnormalities and cognitive impairment. The diagnosis is currently based on established clinical criteria.

New diagnostic criteria for NF1 have recently been advanced in 2019, which will alter the way in which clinicians diagnose NF1. Child neurologists need to be familiar with the new criteria in order to make accurate diagnoses and utilize genetic testing appropriately.

Additionally, clinical management guidelines for children with NF1 were revised and updated in 2019. These new American Academy of Pediatrics (AAP) guidelines for the care of individuals with NF1 have an emphasis on decision-making for providers with regards to clinical management. Based on promising results of recent clinical trials, children with NF1 now have new treatment options available, some of which have become standard of care.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Understand and apply the updated diagnostic criteria and clinical management for neurofibromatosis type 1
2. Understand the use of new therapeutics for treatment for specific NF1-related tumors and to identify potential candidates for treatment

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Utilizing the new diagnostic criteria to diagnose individuals with neurofibromatosis type 1
2. Guidelines for ongoing management of children with neurofibromatosis type 1, as well as identifying children who may be appropriate for intervention with novel therapeutics

Organizer:
Kaleb Yohay, MD
NYU Langone Health, New York, NY

Diagnosing NF1 in 2019: Genetic Testing and New Diagnostic Criteria
Kaleb Yohay, MD
NYU Langone Health, New York, NY

Clinical Management of Children with NF1: New Practice Guidelines
Tena Rosser, MD
Children's Hospital Los Angeles, Los Angeles, CA

SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.
Emerging Treatments for NFI: MEK Inhibitors and Beyond
Nicole Ullrich, MD, PhD
Boston Children’s Hospital,
Boston, MA

Course Description
Over the last decade, our understanding of pediatric demyelinating diseases has increased significantly leading to better classification, diagnosis and treatment of these disorders. However, making a correct diagnosis is challenged by disease mimics and by lack of disease specific biomarkers. In this symposium, we will discuss several topics and examples of other disorders which have overlapping and differentiating features of demyelinating diseases. Distinguishing acute flaccid myelitis (AFM) from transverse myelitis will have particular focus, given the recent increase in AFM. We will also discuss, serum, CSF and advanced imaging diagnostic and prognostic biomarkers as well as next generation treatment of MS and other neuroimmune diseases of the CNS.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Recognize conditions that mimic pediatric CNS demyelinating diseases
2. Incorporate knowledge of differential diagnoses, biomarkers and treatment into their approach to pediatric patients presenting with features of CNS demyelination

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Understanding overlapping and differentiating features between demyelinating diseases and different neuroimmunological diseases
2. Investigation and treatment of pediatric CNS demyelinating diseases and other neuroimmunological disorders

Organizer
Soe Mar, MD
St. Louis Children’s Hospital,
St. Louis, MO

Acute Flaccid Myelitis and Other Mimics of Transverse Myelitis
Teri Schreiner, MD, MPH
Children’s Hospital Colorado, Aurora, CO

Mimics of Supratentorial Demyelinating Diseases
Jayne Ness, MD, PhD
University of Alabama at Birmingham,
Birmingham, AL

Biomarkers of Pediatric CNS Demyelinating Diseases
Soe Mar, MD
St. Louis Children’s Hospital,
St. Louis, MO

Next Generation Treatment of MS and Other Neuroimmune Diseases of the CNS
Tim Lotze, MD
Baylor College of Medicine,
Houston, TX
Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Know how to utilize entrustable professional activities to improve trainee performance
2. Assess personal performance by requesting feedback from learners.

Course Description
Fetal neurology is an emerging subspecialty within child neurology owing to incredible advancements in fetal imaging, prenatal genetic testing, and fetal therapies. Child neurologists can now diagnose, counsel families about prognosis, and may offer treatments to improve neurologic outcome. The objective of this symposium is to share the exciting developments of this field with the child neurology community and to increase awareness of opportunities to better understand the origins of neurologic disease.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Understand the role of a child neurologist in fetal medicine
2. Describe some of the advancements that have been made in regards to fetal MRI and genetic testing that enable fetal neurologic diagnosis and therapy

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Fetal neurology consultations
2. Better understanding the origin of early-onset neurologic disease

Organizer:
Sarah Mulkey, MD, PhD
Children's National Health Center, Washington, DC

Fetal Neurology in Practice
Sarah Mulkey, MD, PhD
Children's National Health Center, Washington, DC

Fetal Neuroimaging
Orit Glenn, MD
University of California San Francisco, San Francisco, CA

Advances in Genetic Evaluation and Related Outcomes of Structural Brain Disorders
Elliott Sherr, MD, PhD
University of California San Francisco, San Francisco, CA

The Placenta, Inflammation, and the Fetal/Neonatal Brain
Jennifer Armstrong, MD, MPH, FAHA
Children's Hospital Colorado, Aurora, CO

1:00 PM – 5:00 PM
SYMPOSIUM VI: CHILD NEUROLOGY FOUNDATION SYMPOSIUM: MANAGEMENT OF DISRUPTIVE AND HARMFUL BEHAVIOR IN CHILDREN WITH EPILEPSY AND AUTISM SPECTRUM DISORDER

Course Description
This four-hour symposium will bring together medical professionals, families and advocates to discuss
the gap between healthcare providers’ ability to offer behavior management support in children with neurologic conditions, and the families’ desire to have access to the best treatment available for their children. Participants will receive an overview of the current environment of behavior management in children with neurologic conditions. They will also hear from two neurologists and a caregiver who will describe current clinical and interventional perspectives on disruptive and harmful behavior in epilepsy and autism spectrum disorder. A psychologist will share successful protocols for managing these behaviors and a psychiatrist will discuss pharmacological approaches. Tabletop case study discussions will allow participants to share their approach to a specific case followed by a panel discussion where all the speakers share their viewpoint on addressing the case studies.

Learning Objectives
As a result of this educational session, participants will be able to:
1. Identify the impact disruptive and harmful behavior has on their patients and caregivers
2. Identify the dilemmas both medical professionals and families face when managing disruptive and harmful behavior
3. Recognize barriers to successful publication and know strategies for overcoming writer’s block and stagnation

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Publication of clinical and research articles that promote progress in medicine by disseminating new ideas and information
2. More efficiently planning and creating of manuscripts and interacting effectively with journal editors

Organizer:
Child Neurology Foundation

Welcome
Ann Tilton, MD
President of the Child Neurology Foundation, Louisiana State University Health Science Center New Orleans, Children’s Hospital of New Orleans, New Orleans, LA

Current Clinical and Family Perspectives on Disruptive and Harmful Behaviors
Shafali Jeste, MD
UCLA David Geffen School of Medicine, Los Angeles, CA
Tanjala Gipson, MD
Le Bonheur Children’s Hospital, Boiling Center for Developmental Disabilities, Memphis, TN
Victoria Maxwell-Kellam Parent, Santa Rosa, CA
Leslie Russell Parent, Dallas, TX

Assessment and Treatment of Problem Behaviors
Nathan Call, PhD, BCAB-D
Emory University School of Medicine, Atlanta, GA

Pharmacologic Approaches to Behavior Management
David Dunn, MD
Indiana University School of Medicine, Indianapolis, IN

Tabletop Case Study Discussions
Paul Cooper
Child Neurology Foundation

Panel Discussion
Q&A and Closing Remarks

1:00 PM – 5:00 PM
BIOMEDICAL WRITING WORKSHOP

Learning Objectives
As a result of this educational session, participants will be able to:
1. Recognize barriers to successful publication and know strategies for overcoming writer’s block and stagnation

Organizer:
Child Neurology Foundation

2. Be able to more effectively revise manuscripts and respond to reviewers and editors
3. Understand the requirements for republication, use of patient materials and privacy concerns

Impact Statements
This educational session will help attendees to identify changes they can make in their practices related to:
1. Publication of clinical and research articles that promote progress in medicine by disseminating new ideas and information
2. More efficiently planning and creating of manuscripts and interacting effectively with journal editors

Organizer and Presenter:
E. Steve Roach, MD
University of Texas Dell Medical School, Austin, TX

Introduction: Why Manuscripts are Rejected

Shortcuts to Better Papers

Keeping Things Moving: Combating Writer’s Block

Break

Responding to Reviews and Revising Your Manuscript

Rules of the Road: Permissions, Consents, and Other Potholes

Meet the Editors Q & A

SECTIONS highlighted in maroon are designated for CME credit. Agenda and amount of CME credits available are subject to change.
2019 Association of Child Neurology Nurses Conference

WEDNESDAY, OCTOBER 23

8:30 AM - 8:45 AM  
WELCOME

8:45 AM - 9:30 AM  
Janet Brucker Keynote Address: Issues and Trends in Nursing Regulation  
Valerie Fuller, DNP, PhD; University of Southern Maine, Portland, ME

9:30 AM - 10:00 AM  
Neurogenetics: Looking Toward The Future  
Sarah Hansen, MSN-ED, RN, CNL; Helen DeVos Children’s Hospital, Grand Rapids, MI

10:00 AM - 10:30 AM  
Business Meeting

10:30 AM - 11:15 AM  
Seizure Medications: A Primer for Neurology Advanced Practice Providers and Nurses  
Mona Jacobson, MSN, CPNP; Children’s Hospital Colorado, Aurora, CO

11:15 AM - 11:45 AM  
Talking to Your Patients and Their Families About Cannabidiol for Epilepsy  
Patricia Dean, APRN, MSN, CNRN; Nicklaus Children’s Hospital, Miami, FL  
Mary Holmay, PhD, RN; Greenwich Biosciences, St. Paul, MN

11:45 AM - 12:00 PM  
Q & A

12:00 PM - 1:00 PM  
Lunch

1:00 PM - 1:30 PM  
SUDEP – What is Our Current Understanding  
Rhonda Roell Werner, MS, APNP; Children’s Hospital of Wisconsin, Milwaukee, WI

1:30 PM - 2:00 PM  
Updates in Vagal Nerve Stimulation (VNS) for Patients with Intractable Epilepsy  
Julie Socha, RN, PPCNP-BC; University of Rochester Medical Center, Rochester, NY

2:00 PM - 2:30 PM  
Progress is Progress, No Matter How Small...the Infantile Spasms Journey  
Jennifer Coffman, JD, BSN, RN, CNRN; Children’s Hospital Colorado, Aurora, CO

2:30 PM - 3:00 PM  
Q & A/Break

3:00 PM - 3:30 PM  
Seize the Day: A Standardized Educational Pathway to Reduce Readmission Rates  
Jenna Klareich, MSN, RN, CPN; Nicklaus Children’s Hospital, Miami, FL  
Jeannie Perez, RN, CPN; Nicklaus Children’s Hospital, Miami, FL

3:30 PM - 4:00 PM  
Treatment of Cluster Seizures: New Treatment Options and Model of Care  
Nancy Santilli, RN, PNP, MN, FAAN; Human Care Systems and Consultant, Sunnyvale, CA  
Kathy O’Hara, RN; Virginia Commonwealth University, Richmond, VA

THURSDAY, OCTOBER 24

9:00 AM - 9:30 AM  
The Headache Champion Program  
Courtney Wellman, MSN, RN, CPN; Children’s Mercy Hospital and Clinics, Kansas City, MO  
Allison Liles, BSN, RN, CPN; Children’s Mercy Hospital and Clinics, Kansas City, MO

9:30 AM - 10:00 AM  
Development of a Pediatric Migraine Action Plan  
Scott Turner, DNP; University of Alabama Birmingham, Birmingham, AL

10:00 AM - 10:30 AM  
Cefaly Device for Pediatric Acute Migraine?  
Tara Pezzuto, DNP; Nemours, Wilmington, DE

10:30 AM - 11:00 AM  
What’s UP with ICP-Related Headaches?  
Elizabeth K. Rende DNP, APRN, CPNP-PC, PMHS-BC, FAANP; CentraCare Health, St. Cloud, MN

11:00 AM - 11:30 AM  
Awards

11:30 AM - 12:00 PM  
Innovative Clinical Practice Award Presentation: Status Epilepticus Clinical Care Guideline  
Michele Mills, RN, MSN, FNP-BC, PNP-AC; Ann & Robert H. Lurie Children’s Hospital, Chicago, IL

12:00 PM - 1:00 PM  
Lunch – Abstract & Grant Writing

1:00 PM - 1:20 PM  
Pediatriic Neurology Nurse Practitioner Transition to Practice  
Tara Pezzuto, DNP; Nemours, Wilmington, DE

1:20 PM - 1:40 PM  
Design and Implementation of a Certification Program Curriculum  
Beck Reyes, MSN, RN, CPNP; University of California, Los Angeles, CA  
RJ Dave H. Soliven, MSN, RN-BC, CCRN, ACCNS-P; Mattel Children’s Hospital at UCLA, Los Angeles, CA

1:40 PM - 2:00 PM  
An Introduction and Evaluation of Advanced Practice Nurse-Run Clinics (APNRCS) in a Subspecialty Setting  
Jacqueline Wolak, DNP, APN, FNP-C; Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL

ASSOCIATION OF CHILD NEUROLOGY NURSES
FRIDAY, OCTOBER 25

9:00 AM - 9:30 AM
Tic Disorders: Diagnosis and Management in Outpatient Settings
Rasha Srouji, MSN, CPNP, CNRN; Boston Children’s Hospital, Boston, MA
Jocelyn Pedrick, MSN, CPNP, CNRN; Boston Children’s Hospital, Boston, MA

9:30 AM - 10:00 AM
Reflex Epilepsy- What We Know
Dianne Kulasa-Luke, MS, APRN-CNP, PPNP-BC; Akron Children’s Hospital, Akron, OH

10:00 AM - 10:30 AM
Acute Flaccid Myelitis: Case Presentation and Approach to Management
Erica Prendergast, RN, DNP, CPNP-AC; Ann & Robert H. Lurie Children’s Hospital of Chicago, Chicago, IL

10:30 AM - 11:00 AM
Q & A

11:00 AM - 11:30 AM
An Interdisciplinary Transition Clinic for Adolescents with Epilepsy: A Model for Mental Health Integration
Beck Reyes, MSN, RN, CPNP; University of California, Los Angeles, CA

11:30 AM - 12:00 PM
Standardized Screening for Depression in Pediatric Epilepsy
Erin Fecske, DNP, APRN, CNRN, CPNP-PC; Children’s Mercy Hospital and Clinics, Kansas City, MO

12:00 PM - 1:00 PM
Lunch

1:00 PM - 1:30 PM
Assessment of Awareness of the Early Clinical Features of Spinal Muscular Atrophy (SMA) Amongst Pediatricians in the Current Treatment Landscape
Mary Curry, ND; Cure SMA; Chicago, IL

1:30 PM - 2:00 PM
A Health Policy Analysis of Spinraza: Orphan Drug for Spinal Muscular Atrophy
Brenda Cowan, DNP, APRN CNS, CPNP-PC; Baylor College of Medicine, Houston, TX

The CNS has reserved a block of rooms at the Westin Charlotte in Charlotte, NC. A direct link to group rate reservations is available upon completion of paid meeting registration.
• Room Rates: Begin at $239 (plus taxes)
• Link sent upon completion of paid registration

Hotel registration must be handled directly with the Westin Charlotte.

TRAVEL INFORMATION
Contact Travel Leaders at 763/231-8876 to take advantage of the many ways to save on meeting airfare by booking 60 days in advance (or more).

The travel professionals at Travel Leaders will find the very best combination of price and schedule to suit your specific needs.
Travel Leaders
T: 763/231-8876
E: kristine@tvlleaders.com
## 2019 Program Coordinators of Child Neurology Annual Educational Conference Agenda

<table>
<thead>
<tr>
<th><strong>TUESDAY, OCTOBER 22</strong></th>
<th><strong>THURSDAY, OCTOBER 24</strong></th>
<th><strong>FRIDAY, OCTOBER 25</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Program Coordinators</strong></td>
<td><strong>Networking Lunch – Lunch Provided</strong></td>
<td><strong>8:00 AM - 8:45 AM</strong></td>
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<tr>
<td><strong>Networking Excursion</strong></td>
<td><strong>2:00 PM - 5:00 PM</strong></td>
<td><strong>Continental Breakfast</strong></td>
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<tr>
<td><strong>WEDNESDAY, OCTOBER 23</strong></td>
<td><strong>Professors of Child Neurology (PCN) Meeting</strong></td>
<td><strong>8:45 AM - 9:00 AM</strong></td>
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<tr>
<td><strong>NEW: Coordinator Bootcamp</strong></td>
<td><strong>6:00 PM - 7:30 PM</strong></td>
<td><strong>Welcome – Day 2</strong></td>
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<tr>
<td><em>The information covered this day is targeted to those in the position up to two years.</em></td>
<td><strong>Child Neurology Society Welcome Reception</strong></td>
<td><strong>9:00 AM - 10:00 AM</strong></td>
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<tr>
<td><strong>Opening Remarks</strong></td>
<td><strong>THURSDAY, OCTOBER 24</strong></td>
<td><strong>Recruitment</strong></td>
</tr>
<tr>
<td>Terri Feist, BBA, C-TAGME; President, Program Coordinators of Child Neurology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH</td>
<td><strong>8:00 AM - 8:30 AM</strong></td>
<td>Amy Orthaus, BBA; Mayo Clinic, Rochester, MN</td>
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<tr>
<td><strong>9:00 AM - 9:30 AM</strong></td>
<td><strong>8:30 AM - 9:00 AM</strong></td>
<td><strong>10:00 AM - 11:00 AM</strong></td>
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<tr>
<td><strong>Annual Program Calendar</strong></td>
<td><strong>Welcome – Day 1</strong></td>
<td><strong>Resident/Fellow Wellness</strong></td>
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<tr>
<td>Cathy Winter, Loma Linda University Health, Loma Linda, CA</td>
<td><strong>9:00 AM - 10:00 AM</strong></td>
<td>Danielle Taylor, MHA; The University of Chicago, Children’s Hospital, Chicago, IL</td>
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<tr>
<td><strong>9:30 AM - 10:00 AM</strong></td>
<td><strong>Coordinator Coalition</strong></td>
<td><strong>11:00 AM - 11:15 AM</strong></td>
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<td><strong>PEC/APE</strong></td>
<td>Jennifer Rew, M. Ed, Virginia Commonwealth University, Richmond, VA</td>
<td><strong>Break</strong></td>
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<tr>
<td>Kellie Shaw, UT Southwestern Medical Center, Dallas, TX</td>
<td><strong>10:00 AM - 10:15 AM</strong></td>
<td><strong>11:15 AM-12:00 PM</strong></td>
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<tr>
<td><strong>Break</strong></td>
<td><strong>Break</strong></td>
<td><strong>Faculty Evaluations</strong></td>
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<tr>
<td><strong>10:15 AM - 10:45 AM</strong></td>
<td><strong>10:15 AM - 12:00 PM</strong></td>
<td>Amy Orthaus, BBA</td>
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<tr>
<td><strong>Child Neurology Program Requirements/Milestones/Being a Core Program</strong></td>
<td><strong>ACMG Updates</strong></td>
<td><strong>12:00 PM - 1:00 PM</strong></td>
</tr>
<tr>
<td>Adam Finney, BS, MS; University of Colorado, Aurora, CO</td>
<td>Laurie Gutmann, MD; Chair, Neurology RC Professor, University of Iowa, Iowa City, IA</td>
<td><strong>Networking Lunch – Lunch Provided</strong></td>
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<tr>
<td><strong>10:45 AM - 11:15 AM</strong></td>
<td>Tiffany Hewitt, Senior Accreditation Administrator, ACGME, Chicago, IL</td>
<td><strong>1:00 PM - 2:00 PM</strong></td>
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<tr>
<td><strong>ABPN preCERT</strong></td>
<td><strong>Surviving the 10-Year Accreditation Site Visit</strong></td>
<td><strong>Post Recruitment – Survey Results</strong></td>
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<tr>
<td>Terri Feist, BBA, C-TAGME</td>
<td>Terri Feist, BBA, C-TAGME; President, Program Coordinators of Child Neurology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH</td>
<td>Adam Finney, BS, MS; University of Colorado, Aurora, CO</td>
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<td><strong>11:15 AM - 11:30 AM</strong></td>
<td><strong>12:00 PM - 1:00 PM</strong></td>
<td>Danielle Taylor, MHA</td>
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<tr>
<td><strong>Break</strong></td>
<td><strong>Networking Lunch – Lunch Provided</strong></td>
<td><strong>2:00 PM - 2:15 PM</strong></td>
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<td><strong>11:30 AM - 12:00 PM</strong></td>
<td><strong>1:00 PM - 2:00 PM</strong></td>
<td><strong>Break</strong></td>
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<td><strong>CCC</strong></td>
<td><strong>Surviving the 10-Year Accreditation Site Visit</strong></td>
<td><strong>2:15 PM-3:00 PM</strong></td>
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<tr>
<td>Terri Behnke, University of Michigan, Ann Arbor, MI</td>
<td>Terri Feist, BBA, C-TAGME; President, Program Coordinators of Child Neurology, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH</td>
<td><strong>Legal Responsibilities of the Coordinator</strong></td>
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<tr>
<td><strong>12:00 PM - 1:00 PM</strong></td>
<td><strong>2:00 PM - 3:00 PM</strong></td>
<td>Adam Finney, BS, MS</td>
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<tr>
<td><strong>Parking Lot</strong></td>
<td><strong>Program Coordinator Social</strong></td>
<td><strong>3:00 PM - 4:00 PM</strong></td>
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<tr>
<td><strong>5:00 PM - 7:00 PM</strong></td>
<td><strong>CNS Gala Gala Closing Reception</strong></td>
<td><strong>Coordinator Market Title</strong></td>
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<tr>
<td><strong>Program Coordinator Social</strong></td>
<td><strong>7:00 PM - 9:00 PM</strong></td>
<td>Terri Behnke, University of Michigan, Ann Arbor, MI</td>
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<td><strong>4:00 PM - 4:30 PM</strong></td>
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<td><strong>Break</strong></td>
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<td><strong>4:30 PM - 5:30 PM</strong></td>
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<td><strong>Education SIG</strong></td>
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# MEMBERS RECEIVE DISCOUNTS AND PRIORITY – REGISTER EARLY

<table>
<thead>
<tr>
<th>Members</th>
<th>EARLY REGISTRATION</th>
<th>REGULAR REGISTRATION</th>
<th>LATE REGISTRATION</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>July 10-Aug 31</td>
<td>Sept 1-30</td>
<td>Oct 1-26</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Role</th>
<th>Early</th>
<th>Regular</th>
<th>Late</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Active Member</strong></td>
<td>$545</td>
<td>$645</td>
<td>$725</td>
</tr>
<tr>
<td>Dues paid <strong>BY 6/15</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dues paid <strong>AFTER 6/15</strong></td>
<td>$645</td>
<td>$695</td>
<td>$775</td>
</tr>
<tr>
<td>Unpaid dues</td>
<td></td>
<td>$645</td>
<td>$775</td>
</tr>
<tr>
<td><strong>Emeritus</strong></td>
<td>$295</td>
<td>$395</td>
<td>$445</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td>$295</td>
<td>$395</td>
<td>$445</td>
</tr>
<tr>
<td>Dues paid <strong>BY 6/15</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Dues paid <strong>AFTER 6/15</strong></td>
<td>$395</td>
<td>$445</td>
<td>$445</td>
</tr>
<tr>
<td><strong>Junior</strong></td>
<td>$295</td>
<td>$395</td>
<td>$445</td>
</tr>
<tr>
<td><strong>Junior Member/First Author</strong></td>
<td>FREE</td>
<td>$375</td>
<td>$425</td>
</tr>
<tr>
<td>Dues paid <strong>BY 6/15</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Junior Member/PGY5</strong></td>
<td>FREE</td>
<td>$375</td>
<td>$425</td>
</tr>
<tr>
<td>Dues paid <strong>BY 6/15</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Medical Student</strong></td>
<td>FREE</td>
<td>$195</td>
<td>$245</td>
</tr>
</tbody>
</table>

**Members are eligible for priority access to NDC & CNF Symposia. Deadline August 31.**

**Wednesday NDC Symposium** (320 seats reserved)
- Early: $180
- Regular: $225
- Late: N/A

**Saturday CNF Symposium** (180 seats reserved)
- Early: $50
- Regular: $100
- Late: $125

**Guest Nametag/Reception Pass**
- Includes: Evening Receptions (Note: Registrant nametag = 1 pass for evening receptions. Additional passes for spouse and/or children may be purchased.)
- Early: $100
- Regular: $125
- Late: $125

**TOTAL ENCLOSED**

Checks payable in US funds only to Child Neurology Society. All credit card registration is on-line via CNS Website.

**REGISTRATION CONFIRMATION**
- E-mail confirmation only
- Include address
- Hotel registration and confirmation must be handled independently with the meeting hotels.

**CANCELLATIONS AND REFUNDS**
- Cancellations received in writing on or before September 10 will receive full refund (less $75.00 administrative fee).
- The CNS assumes significant non-refundable financial/contractual obligations one month prior to the meeting, for which reason no refunds of registration fees will be made after September 10.

**SPECIAL NEEDS**
- We are committed to making this CME activity accessible to all individuals. If you need auxiliary aid(s) or service(s) as identified in the American with Disabilities Act, or have a dietary restriction, please describe your needs when registering online. Most requests can be accommodated if notification is received by August 31.
# 2019 CNS Annual Meeting

## ACNN, PCCN, and Non-Members Registration

### MEMBERS RECEIVE DISCOUNTS AND PRIORITY – REGISTER EARLY

<table>
<thead>
<tr>
<th>Membership Category</th>
<th>Early Registration</th>
<th>Regular Registration</th>
<th>Late Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>July 10-Aug 31</td>
<td>Sept 1-Sept 30</td>
<td>Oct 1-26</td>
</tr>
<tr>
<td><strong>ACNN &amp; PCCN Members</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ACNN - Nurse Member (Dues paid by 6/15)</td>
<td>$295</td>
<td>$395</td>
<td>$445</td>
</tr>
<tr>
<td>ACNN - Nurse Member (Dues paid after 6/15)</td>
<td>$395</td>
<td>$445</td>
<td>$445</td>
</tr>
<tr>
<td>Program Coordinators of Child Neurology (PCCN)</td>
<td>$295</td>
<td>$395</td>
<td>$445</td>
</tr>
</tbody>
</table>

**ACNN Members receive priority access to NDC & CNF Symposia if seats remain.**

<table>
<thead>
<tr>
<th>Event</th>
<th>Early Registration</th>
<th>Regular Registration</th>
<th>Late Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday NDC Symposium</strong> (320 seats reserved)</td>
<td>$180</td>
<td>$225</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Saturday CNF Symposium</strong> (180 seats reserved)</td>
<td>$50</td>
<td>$100</td>
<td>$125</td>
</tr>
</tbody>
</table>

### NON-MEMBERS

<table>
<thead>
<tr>
<th>Membership Category</th>
<th>Early Registration</th>
<th>Regular Registration</th>
<th>Late Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non-CNS Member</td>
<td>$845</td>
<td>$995</td>
<td>$1,075</td>
</tr>
<tr>
<td>Non-CNS Member Resident/Trainee</td>
<td>$445</td>
<td>$545</td>
<td>$595</td>
</tr>
<tr>
<td>Non-ACNN Member Nurse</td>
<td>$545</td>
<td>$595</td>
<td>$645</td>
</tr>
</tbody>
</table>
| **Guest Nametag/Reception Pass**  
Includes: Evening Receptions (Note: Registrant nametag = 1 pass for evening receptions. Additional passes for spouse and/or children may be purchased.) | $100 | $125 | $125 |

**Non-Members may request waiting list status for NDC & CNF Symposia. CNS will contact you after August 31 if seats remain.**

<table>
<thead>
<tr>
<th>Event</th>
<th>Early Registration</th>
<th>Regular Registration</th>
<th>Late Registration</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Wednesday NDC Symposium</strong> (limit = 320)</td>
<td>$225</td>
<td>$250</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Saturday CNF Symposium</strong> (limit = 180)</td>
<td>$75</td>
<td>$125</td>
<td>$150 if available</td>
</tr>
</tbody>
</table>

### TOTAL ENCLOSED

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### REGISTRATION CONFIRMATION

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- (include address)
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### SPECIAL NEEDS

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THREE REGISTRATION RATE SCHEDULES ARE AVAILABLE

CHECK ON-LINE OR ON THE FORM FOR THE APPROPRIATE CATEGORY:
1. CNS and ACNN Members with dues paid by 6/15 eligible for lowest, discounted rates
2. CNS and ACNN Members with dues paid after 6/15
3. Non-Members and/or CNS and ACNN Members with unpaid dues

Early registration deadline for all categories: August 31, 2019

NOTE: PRE-REGISTRATION REQUIRED FOR THE FOLLOWING COURSES:
• Wednesday NDC Symposium – Childhood Brain Tumors ($180 course fee, 320 seats available)
• Saturday CNF Symposium – Management of Disruptive and Harmful Behavior in Children with Epilepsy and Autism Spectrum Disorder ($50 course fee, 180 seats available)

CNS MEMBERS HAVE PRIORITY REGISTRATION UNTIL AUGUST 31

On-line at: www.childneurologysociety.org/meetings