



Where the Next
50 Years Begins



Wednesday, October 12 - Saturday, October 15, 2022

Duke Energy Center • Cincinnati, Ohio



Mid-July Dates & Deadlines

1

On-line Registration & Hotel Reservations

July 24

**IMPORTANT
NOTICE:** To qualify
for member rates
and priority access
to reserved courses,
hotel reservations,
etc, 2022 DUES
MUST BE PAID.
Allow 5 business
days following
payment before
qualifying for
member rates

Last day to pay
dues and qualify:
August 20

2

Election of Officers

Candidates for three
openings on the
CNS BOD/Executive
Committee –
President-Elect,
Councillors for the
South and West –
will be announced
July 15 via
eConnections.

30-day on-line
balloting limited to
Active Members in
good standing
(ie, 2022 dues paid)
begins **July 25**

3

PECN MEMBERS

Submit nominations
for yourself or others
to serve on PECN
Board of Directors.

Deadline:
July 20

4

Pellock Seminar

Portal opens for
PGY5/6 residents
to sign up for
John M. “Jack”
Pellock Resident
Seminar on
Epilepsy.

Residents receive
three paid hotel
room nights and
waived annual
meeting
registration fee.

5

Reserved Sessions That May Fill Fast

**Kenneth F. Swaiman
Legacy Luncheon**
(450)

**Child Neurology
Foundation
Symposium:
Clinical Trials in
Pediatric
Neurology**
(350)

**Clinical Research
Workshop**
(80)

**Biomedical Writing
Workshop**
(25)



CHILD NEUROLOGY SOCIETY

A Note of Thanks to the ABPN

On behalf of the CNS, we would like to thank the American Board of Psychiatry and Neurology (ABPN) for a generous \$100,000 grant in support of non-CNS member educational access in 2022 to the CNS Lifelong Learning website and annual meeting. Recognizing the disruptive impact COVID-19 has had and continues to have on continuing education and recertification plans for child and adult neurologists, the ABPN grant will enable all ABPN diplomates (whether or not they are CNS members) to access CNS remote self-assessment exams and CNS annual meeting CME content at member rates.

Bruce Cohen, MD
President

Roger Larson, CAE
Executive Director

7 Things to Know about the Meeting

1 IT'S A HYBRID MEETING, WITH A FEW TWISTS

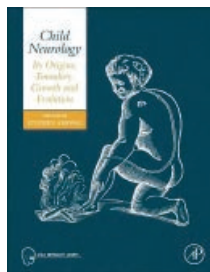
Not everyone can come to Cincinnati to attend the annual meeting live, in-person. Few have the time, money or motivation to attend the full meeting virtually. Striking a balance between cost, convenience and value, this year's meeting offers a scaled-back version of last year's hybrid meeting. Ultimately, all CME content will be available to all registrants--in-person or virtual--from October 12 - November 15 as follows:

In-Person Meeting registrants will have access to all in-person sessions staged in Cincinnati (I), all posters and exhibits, and all virtual/live-streamed sessions (V). All recorded award lectures, symposia and seminars will be available 24/7 On Demand (O) on the virtual platform thru November 15, making it easy to choose between parallel sessions, attending one live, then watching the other two on-line later, earning the maximum # of CME credits.

Virtual Meeting registrants will have live-streamed access to all award lectures and Symposia 2-6. All recorded award lectures, symposia and seminars will be available 24/7 On Demand (O) on the virtual platform thru November 15, making it easy to attend the full program over the course of a month and earn the maximum # of CME credits.

2 REGISTRANTS GET 50% OFF FOUNDERS BOOK

All registrants are eligible to purchase the special 50th CNS Anniversary edition of *Child Neurology: It's Origins, Founders, Growth and Evolution* at 50% off list price. Registrants can order a hard copy to be sent to their home or office (\$25 shipping charge added), or read immediately in eBook format.



3 CLINICAL RESEARCH WORKSHOP

Building on the success of last year's debut clinical investigator bootcamp, the CNS Research Committee will reprise this 4-hour Saturday afternoon workshop giving researchers of all ages, stages and interests the tools and resources needed to turbo-charge their clinical research projects and ambitions. Enrollment limited to 80.

4 KENNETH F. SWAIMAN LEGACY LUNCHEON

Reserve a seat for Wednesday's Legacy Luncheon to honor this year's award recipients. Awards presented: Roger & Mary Brumback Lifetime Achievement, Arnold P. Gold Foundation Humanism, CNS-PECN Training Director, Tauen Chang Junior Member, Bhuwan Garg High School Neuroscience.

5 SPECIAL INTEREST GROUP (SIG) GATHERINGS

Special Interest Groups will have two opportunities to meet and recruit new members and network with longtime SIG colleagues:

Dialogue Alley: Each SIG will occupy one of three Meet-and-Greet pods for up to 3-hours in Dialogue Alley (outside Junior Ballrooms) on Wednesday afternoon, Thursday afternoon, Friday morning and afternoon, or Saturday morning (15 total slots available).

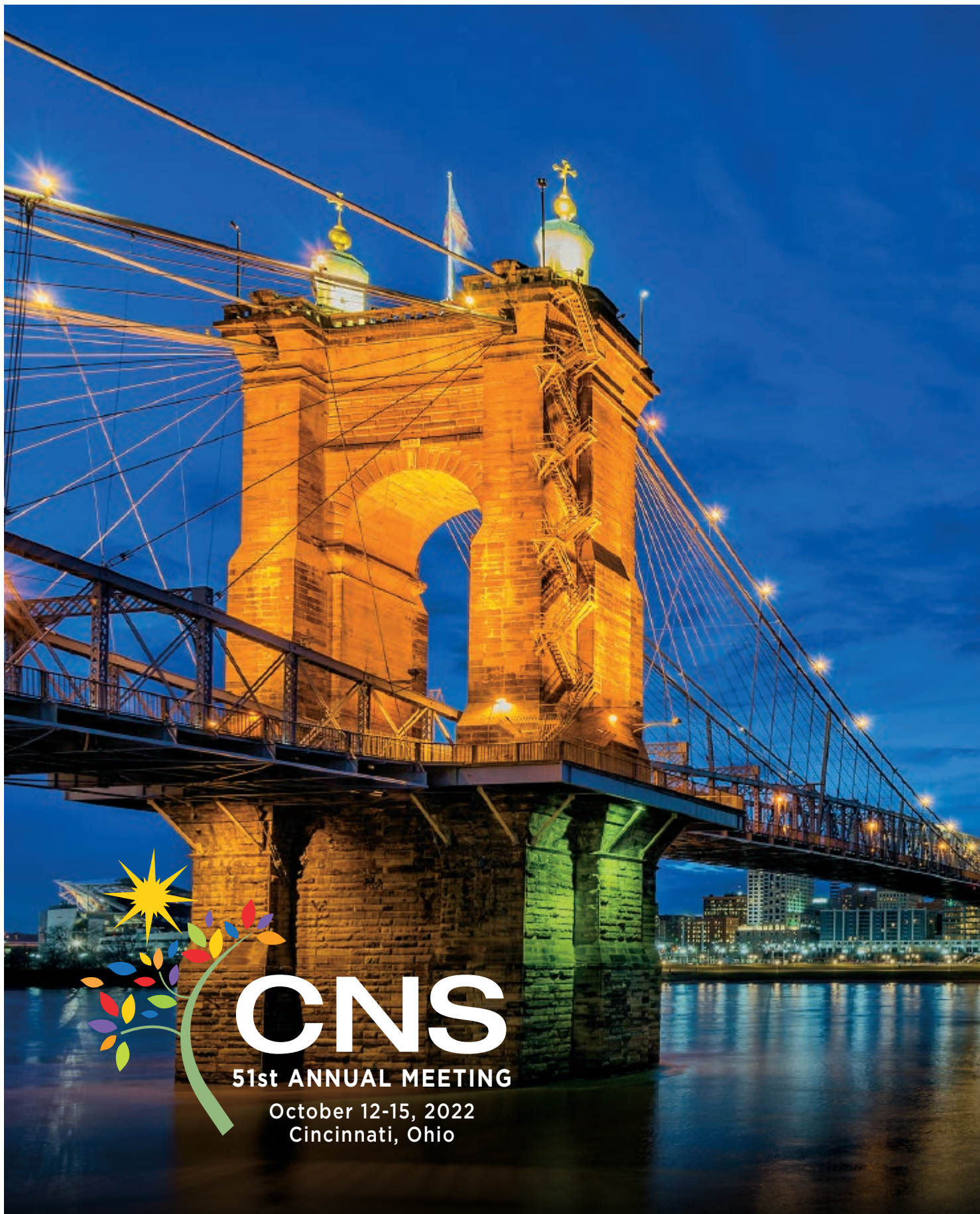
End of Day Wrap and Rap Sessions: Each SIG will have a meeting room for one hour on Wednesday, Thursday or Friday night to network face-to-face in small groups before stepping outside to sample Cincinnati night life. These sessions are not meant to be AV-oriented lecture/education sessions, but the hour can be used to plan one or more live-streamed SIG-organized session to present the coming year.

6 A NEW HOPE: INTRODUCING JEDI (Junior and Early Career Development Initiative)

The newly formed JEDI Program (Junior and Early career Development Initiative) will feature 15-20 lobby talks throughout the meeting covering topics from "Launching & Managing Your Career" to "Meet the Editors & Award Winners" to "Making New Friends," "Following the Money," and "Finding Your Yoda."

7 PAID MEMBERS QUALIFY FOR LOWEST RATES

In tandem with the new website launch, we have made things starkly simple: CNS Active Members are members who have paid their annual dues. Period. If you haven't paid 2022 dues by now – **or by August 20 at the very very latest** – the registration system will not recognize you as a CNS Member and you won't qualify for member rates, member reservation priority, or member access to the website.



CNS

51st ANNUAL MEETING

October 12-15, 2022
Cincinnati, Ohio

Learning Objectives

The 2022 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.

The Minnesota Medical Association designates this live and enduring activity for a maximum of 30.75 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



MINNESOTA
MEDICAL
ASSOCIATION

51st Annual Meeting of the CNS Scientific Program

Preliminary Program: Dates/Times Subject to Change

WEDNESDAY October 12

8:00 AM – 11:00 AM

SYMPOSIUM I: CHILD NEUROLOGY FOUNDATION SYMPOSIUM: CLINICAL TRIALS IN PEDIATRIC NEUROLOGY: OUR ROLE IN IMPROVING PARTICIPATION AND OUTCOMES (I/V/O)

*Supported by the
Child Neurology Foundation*

COURSE DESCRIPTION

This 3-hour interactive symposium, is designed to raise participant awareness of the importance of clinical trials to the child neurology community and to identify strategies to overcome existing barriers to accessing clinical trials for children with neurologic conditions. We will describe ethical considerations in clinical trials and possible patient participation. Participants will also learn best practices for engaging and supporting patients before, during and after their clinical trial journey.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

- Identify strategies to overcome existing barriers to accessing clinical trials for children with neurologic conditions.
- Utilize best practices for engaging and supporting patients before, during and after their clinical trial journey.

IMPACT STATEMENTS

This educational session helped me to identify changes I could make in my practice related to:

- Identifying clinical trials that will benefit my patients.

SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.

- Effectively recommending and discussing clinical trials to my patients

ORGANIZER:

Child Neurology Foundation

Welcome

Anup D. Patel, MD, FAAN, FAES
Nationwide Children's Hospital,
The Ohio State University,
Columbus, OH

Erika Fullwood Augustine, MD, MS
Kennedy Krieger Institute,
Baltimore, MD

The Importance of Clinical Trials to Patients

How Clinical Trials can Impact Patient Outcomes

Tracy Dixon-Salazar, PhD
Lennox-Gastaut Syndrome (LGS)
Foundation, San Diego, CA

Common Barriers to Patient Involvement in Clinical Trials

Kimbra Edwards, PhD
CISCRP, Boston, MA

The Critical Roles of the Provider

The Importance of Clinician Involvement and Possible Roles

Bruce H. Cohen, MD, FAAN
Akron Children's Hospital; Akron, OH

Typical Barriers and Practical Considerations to Clinicians in Fulfilling these Roles

E. Martina Bebin, MD, MPA
University of Alabama at
Birmingham, Birmingham, AL

Supporting Patients:

Best Practices for Discussing Clinical Trials with Patients

Shafali Spurling Jeste, MD
Children's Hospital Los Angeles,
Los Angeles, CA

Avoiding Common

Mistakes in Discussions

Ariel M Lyons-Warren, MD PhD
Baylor College of Medicine,
Houston, TX

11:30 AM – 1:30 PM

KENNETH F. SWAIMAN CNS LEGACY LUNCHEON (I/V/O)

Awards Presented

Arnold P. Gold Foundation Humanism in Medicine Award

Jorge Vidaurre, MD
Columbus, OH

Bernard D'Souza International Fellowship Awards

Paulina C. Tejada, MD
Pontificia Universidad Católica de
Chile, Santiago, Chile

Robert K. Sebulnya, M.D., M.phil
Uganda Martyrs University Nkozi,
Mother Kevin Post Graduate School,
Kampala, Uganda

CNS/PECN Training Director Award

Tim Lotze, MD
Baylor College of Medicine,
Texas Children's Hospital,
Houston, TX

Roger & Mary Brumback Lifetime Achievement Award

Jeffrey Buchhalter, MD
Phoenix, AZ

Michael Noetzel, MD
St. Louis, MO
(presented posthumously)

Roger Larson, CAE
St. Paul, MN

Bhuwan Garg High School

Neuroscience Award

Aliya Fisher
New York, NY

Tauen Chang Junior Member Awards

Mekka Garcia, MD

Laura Gilbert, DO, MBA

Riley Kessler, MD

Ezgi Saylam, MD

***Outstanding Junior Member
Post-Grad Awards***

Travis Larsh, MD
Avantika Singh, MD

M. Richard Koenigsberger Scholarship

Stephen Chrzanowski, MD

***AAP Section of Neurology
Travel Grant***

Alexis Karlin, MD

2:00 PM – 3:30 PM

**PROFESSORS & EDUCATORS OF
CHILD NEUROLOGY (PECN)**

BUSINESS MEETING (I)

Introduction and Agenda

Nancy Bass, MD
University Hospitals of Cleveland/
Rainbow Babies and Children's Hospital,
Case Western Reserve University School
of Medicine, Cleveland, OH

**Preference Signaling and
the Match**

Margie Ream, MD, PhD
Nationwide Children's Hospital,
Columbus, OH

**Forgivable Family Leave for
Trainees with Q&A**

Margie Ream, MD, PhD

**RRC Change: Program Director
Minimum FTE Support with Q&A**

Danny Rogers, MD, PhD
University of New Mexico,
Albuquerque, NM

Match Report

Leon Dure, MD
Heersink School of Medicine,
University of Alabama at Birmingham,
Birmingham, AL

CNCDP-K12 Report

Bradley L. Schlaggar MD PhD
Kennedy Krieger Institute,
Baltimore, MD

**Minority Research
Scholars Program**

Erika Fullwood Augustine, MD, MS
Kennedy Krieger Institute,
Baltimore, MD

**Updates AAP Section of
Pediatric Neurology**

Tim Lotze, MD
Baylor College of Medicine,
Texas Children's Hospital,
Houston, TX

**Updates AAN Section of
Child Neurology with Q&A**

David E. Mandelbaum, MD, PhD
Alpert Medical School of
Brown University, Providence, RI

CINCINNATI NOTE OF INTEREST



BLINK – A Festival of Light & Art: October 13-16, 2022

Sometimes you get lucky. This is one of those times. Blink is a four-night annual outdoor art festival in Cincinnati that just happens to kick off on the 2nd night (Thursday) of the CNS Annual Meeting. The combination of innovative street art, projection mapping and light-based transformation of the city's classic architectural facades has become a nationally celebrated cultural magnet drawing ambulatory crowds and creating a vibe not unlike Austin, TX in 2013 on Halloween. (BTW: the city will fill up fast, so book your flights and sleeping rooms early).

Preliminary Program: Dates/Times Subject to Change

WEDNESDAY | CONTINUED

3:30 PM – 5:30 PM

PECN: CME PROGRAM: EDUCATIONAL TOOLS (I/O)

COURSE DESCRIPTION

Since 2020 educational tools have evolved to include the best of both worlds including the virtual/digital platforms, exponential use of social media, and the sharing of resources across institutions. Many trainees across the country have taken advantage of participating in didactic lectures given virtually in numerous institutions. Webinars and podcasts have made their way into the day to day education of trainees and practicing child neurologists alike. Understanding and navigating the digital and social media milieu has never been more vital to our profession. Our first session aims to arm the participant with the knowledge to navigate these tools. In addition, new innovative ways of combining forces for education of our trainees as well as hybrid learning and interviewing is here to stay. With changes in harmonized milestones for resident education, ensuring trainees are receiving comprehensive exposure to the significance of equity and diversity is of vital importance. In addition, training directors have expressed the difficulty they experience in covering all the topics that are vital to residency education. In this course, the importance and impact of social media in various aspects of the career of a child neurologist, a review of a proposed curriculum in ethics for our trainees and the incorporation of topics around LGBTQ+ education will be presented.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Upon completion of this session, attendees will be able to identify the roles and benefits of the most commonly used social media platforms in child neurology.
2. Upon completion of this session, attendees will learn important features of a child neurology ethics curriculum and the ways to implement this in their current training programs.
3. Upon completion of this session, attendees will demonstrate knowledge of LGBTQ+ topics relating to resident education and how to implement these topics into their training curriculum.

IMPACT STATEMENT

This educational session will help attendees to identify changes they can make in their practices and resident education related to:

1. Innovative use of social media platforms, development and implementation of an ethics curriculum specific to child neurology concerns as well as increasing their own knowledge of matters surrounding LGBTQ+ issues in residency education and patient care to result in improvements in their current practice.

PECN Digital Committee and Social Media Tools

Jaclyn Martindale, DO
Wake Forest University School of
Medicine, Winston-Salem, NC

Kathryn Idol Xixis, MD
University of Virginia, Charlottesville, VA

Jessica Goldstein, MD
University of Minnesota, M Health
Fairview Masonic Children's Hospital,
Minneapolis, MN

Development of a Child Neurology Ethics Curriculum

William D. Graf, MD
Connecticut Children's,
University of Connecticut,
Farmington, CT

LGBTQ: Tools for Residency Education

Jonathan Strober, MD
UCSF Benioff Children's Hospital,
San Francisco, CA

2:00 PM – 7:30 PM
EXHIBIT HALL (I)

6:00 PM – 7:30 PM
WELCOME RECEPTION (I)

Hosted by select Ohio training programs

8:00 PM – 10:00 PM
**MOVEMENT DISORDERS
VIDEO ROUNDS (I)**
(Formerly Movement Disorders SIG)

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THURSDAY October 13

7:00 AM – 9:00 AM
PLATFORM I, II & III (I)

9:30 AM – 12:15 PM
SYMPOSIUM II:
PRESIDENTIAL SYMPOSIUM:
QUALITY AND CAPITATED CARE
(I/V/O)

COURSE DESCRIPTION

Just as healthcare has been dramatically changed by advances in molecular, genetic and systems neurosciences, there have been concurrent changes in methods of healthcare delivery and reimbursement that affect the practicing child neurologist.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Understand how quality improvement methodology can improve the clinical outcomes of patients and potentially result in increased reimbursement for clinical services.
2. Understand how the American Academy of Neurology develops and implements quality measures.
3. Know how learning healthcare systems can provide knowledge to improve patient outcomes that is not possible with single center efforts.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Implement quality improvement projects based upon established pediatric quality measures.
2. Joining or creating pediatric learning healthcare systems to improve patient outcomes.
3. Assuring that care is provided in a manner that is equitable in order to eliminate existing disparities.

ORGANIZER

Bruce H. Cohen, MD, FAAN

CO-ORGANIZER

Jeffrey Buchhalter, MD, PhD
University of Calgary,
Cumming School of Medicine,
Calgary, Canada

Introduction and Discussion of the Importance of QI/QM to CNS Members

Bruce H. Cohen, MD, FAAN

Creating a Quality Improvement Ecosystem at AAN

Lyell K. Jones, Jr. MD
Mayo Clinic, Rochester, MN

Development of Child Neurology QMs at AAN

Bhooma Aravamuthan MD, DPhil
Washington University
School of Medicine,
St. Louis, MO

Description of Rationale and Requirements for a Learning Health System (LHS)

Jeffrey Buchhalter, MD, PhD
University of Calgary,
Cumming School of Medicine,
Calgary, Canada

Descriptions of LHS in Pediatrics

Anup D. Patel, MD, FAAN, FAES

LHS for Peds/Adult Epilepsy: Early Wins

Zachary M. Grinspan, MD, MS
Weill Cornell Medicine, New York, NY

Leveraging LHS to Study Health Care Disparities

Fiona Baumer, MD, MS
Stanford University School of Medicine,
Palo Alto, CA

Q&A

Bruce H. Cohen, MD, FAAN

11:30 AM – 7:00 PM
EXHIBIT HALL (I)

12:30 PM – 2:00 PM
**EXHIBITS, POSTER REVIEW &
GUIDED POSTER TOUR #1 (I)**

2:30 PM – 3:00 PM

MARTHA BRIDGE DENCKLA AWARD LECTURE (I/V/O)

Michael Shevell, MDCM, FRCP, FCAHS
Montreal Children's Hospital,
McGill University Montreal,
Quebec, Canada

Where the Next
50 Years Begins

Preliminary Program: Dates/Times Subject to Change

THURSDAY | CONTINUED

3:00 PM – 5:15 PM

**SYMPOSIUM III:
GLOBAL NEUROLOGY:
THE GLOBAL SITUATION OF CHILD
NEUROLOGY PRACTICE DURING
THE COVID 19 PANDEMIC AND
OTHER NATURAL DISASTERS.
CLINICAL CARE
AND EDUCATION (I/V/O)**

COURSE DESCRIPTION

This symposium will provide a global overview of the status of the child neurology practice during the COVID 19 pandemic, with emphasis in poor resource regions (low, middle, and high- income countries). The diverse panel of speakers have extensive experience in international neurology and practice in different regions, including Latin America, Africa, Caribbean, and USA. Therefore, they will present an expanded view of the current situation of pediatric neurology.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Describe the impact of the actual COVID 19 pandemic in the practice of Child Neurology, globally

2. Understand the use of technology in providing neurological care, specially to children and families with restricted access to care

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Use of virtual platforms to facilitate access to care
2. Delivering neurological care during the current pandemic, when access may be limited by use of available technology

ORGANIZER

Jorge Vidaurre, MD
Nationwide Children's Hospital,
The Ohio State University,
Columbus, OH

**Chikungunya, Zika and COVID:
Neurological Consequences and
Impact in Child Neurology Care
Across Latin America**

Paulina C. Tejada, MD
Bernard D'Souza International Fellow
Pontificia Universidad Católica de
Chile, Santiago, Chile

**Building Child Neurology
Capacity in Africa During
Disruptive Disasters: Ideas for
Low Resourced Communities**

Robert K. Sebunya, M.D, M.phil
Bernard D'Souza International Fellow
Uganda Martyrs University Nkozi,
Mother Kevin Post Graduate School,
Kampala, Uganda

**Practicing Child Neurology on
Conflict Zones. Lessons Learned.**

Volodymyr Kharytonov, MD PhD
Clinical Hospital "Psychiatry",
Kyiv, Ukraine

**The Potential for Device
Technology Use in Healthcare:
Applicability During Times of
Reduced Access**

Dave Clarke, MBBS
Dell Medical School,
University of Texas at Austin, Austin, TX

5:30 PM – 7:00 PM

**EXHIBITS, POSTER REVIEW
(WINE & CHEESE) &
GUIDED POSTER TOUR #2 (I)**

CINCINNATI NOTE OF INTEREST



National Underground Railroad Freedom Center

The National Underground Railroad Freedom Center is described as "a museum of conscience, an education center, a convener of dialogue, and a beacon of light for inclusive freedom around the globe." The museum is located in downtown Cincinnati, a short walk away from the CNS Meeting, on the banks of the Ohio River, the great natural barrier that separated the slave states of the South from the free states of the North.

FRIDAY October 14

8:00 AM – 8:15 AM AWARD PRESENTATIONS & GENERAL SESSION (I/V/O)

*Child Neurology Foundation/
PERF Scientific Grant & Award
Announcements*

8:15 AM – 8:45 AM PHILIP R. DODGE YOUNG INVESTIGATOR AWARD LECTURE (I/V/O)

Bhooma Aravamathan MD, DPhil
Washington University School of
Medicine, St. Louis, MO

8:45 AM – 9:30 AM BERNARD SACHS AWARD LECTURE (I/V/O)

Steven Paul Miller, MDCM, MAS, FRCPC
University of British Columbia (BC),
BC Children's Hospital,
Vancouver, British Columbia, Canada

9:45 AM – 12:00 PM SYMPOSIUM IV: ETHICS: NEUROPALLIATIVE CARE ACROSS THE AGE SPECTRUM (I/V/O)

COURSE DESCRIPTION

Palliative care emphasizes a holistic interdisciplinary approach to the physical, psychological, social, and spiritual health and well-being of neonates, children, adolescents, and adults living with serious illness, and support for their families and caregivers. Although the lay public often equates palliative care to hospice care, the clinical domains of palliative care encompass more than end-of-life care. This symposium reviews clinical

palliative care practice guidelines and addresses important questions about "specialty" palliative care: How is neuropalliative care different than primary palliative care? How is pediatric neuropalliative care different than traditional care in child neurology? Can neuropalliative care begin at birth – or even before birth? Do we "palliate" symptoms when we offer patients promising new therapies? Do the goals of neuropalliative care vary depending on the diagnosis, stage, or severity of a neurological disorder? We discuss essential elements of neuropalliative care including diagnostic certainty, prognostic certainty (versus managing clinical uncertainty), family-centered communication, shared decision-making, and the management of pain and suffering in any care setting. This symposium will emphasize many special ethical issues in neuropalliative care such as those relating to disorders of consciousness, progressive loss of cognitive abilities or decisional capacity, and irreversible paralysis. The symposium stratifies neuropalliative care across the age spectrum. A neuro-oncologist will discuss methods of delivering bad news, assessing and explaining prognosis, assisting patients and families in the process of decision-making, and setting limits when certain types of care are objectively futile. Three child neurologists will respectively discuss pediatric, neonatal, and antenatal neuropalliative care issues such as severe neurological impairment in children and adolescents; withdrawal of life-sustaining interventions in neonates in the NICU; and care options for parents whose mid-trimester fetus has been diagnosed with a major malformation or life-limiting neurogenetic disorder. We highlight the 2022 "Clinical Guidance in Neuropalliative Care Position Statement" endorsed by the CNS.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Identify the various domains of palliative care and their key themes.
2. Integrate essential elements of communication, prognostication and shared decision-making into clinical practice along with special ethical considerations in neuropalliative care as it relates to disorders of consciousness.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. The domains of specialty palliative care.
2. Communicating prognostic certainty versus clinical uncertainty.

ORGANIZER

William D. Graf, MD
Connecticut Children's,
University of Connecticut,
Farmington, CT

Neuropalliative Care in Adults

Lynne P. Taylor, MD
Alvord Brain Tumor Center,
University of Washington, Seattle, WA

Antenatal Neuropalliative Care

William D. Graf, MD

Neuropalliative Care in Neonates

Monica Lemmon, MD
Duke University School of Medicine,
Durham, NC

Neuropalliative Care in Children with Severe Neurological Disorders and Neurodevelopmental Disabilities

Audrey Foster-Barber, MD, PhD
University of California,
San Francisco, San Francisco, CA

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Preliminary Program: Dates/Times Subject to Change

FRIDAY | CONTINUED

12:30 PM – 1:45 PM

SEMINAR 1:

CEREBRAL PALSY: WHAT IS CP? A CONSENSUS-BASED APPROACH (I/O)

COURSE DESCRIPTION

Cerebral palsy (CP) is the most common motor disability of childhood and is formally defined as “a group of permanent disorders of the development of movement and posture, causing activity limitation, that are attributed to non-progressive disturbances that occurred in the developing fetal or infant brain” (*Dev Med Child Neurol* 2007). Yet, we have shown ongoing variability in how we diagnose CP (*Pediatrics* 2021). We have demonstrated that neurologists and neurodevelopmentalists play an important role in CP diagnosis (*Neurology* 2020) and that the diagnostic views of people with CP differ from the views of these practitioners (*Dev Med Child Neurol* 2022). Parallel to this work, a recent CNS Open Forum Thread exemplifies the passion that our membership has in reaching a new consensus on a key question: “What is CP?”. Though previous symposia and seminar presentations at CNS have established that this question remains an open one and have provided didactic discussions on the topic, this year we propose addressing this question directly with involvement of the CNS membership – a gap highlighted by the Open Forum thread. The goal of our workshop is to use a group-think approach to determine the key uncertainties held by the CNS membership regarding the definition of CP. We have recruited renowned leaders in this field with academic, advocacy, and personal experience with CP. These leaders will facilitate breakout sessions to discuss uncertainties regarding:

1. The meaning of “non-progressive” – Michael Shevell
2. The meaning of “developing fetal or infant brain” – Ann Tilton
3. Contributions of different etiologies to CP – Michael Kruer
4. The meaning of a CP diagnosis for community members and other stakeholders – Paul Gross

We will summarize the breakout group discussions at the end of the workshop to reach a new comprehensive consensus on what the CNS membership’s addressable concerns are regarding the current definition of CP.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Outline the current consensus definition of CP
2. List the key uncertainties regarding interpretation of the current consensus definition of CP

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Conferring a CP diagnosis
2. Understanding the meaning of a CP diagnosis for the patients I treat and their caregivers

ORGANIZER

Bhooma Aravamathan MD, DPhil
Washington University School of
Medicine, St. Louis, MO

The Meaning of “Non-progressive”

Michael Shevell, MDCM, FRCP, FCAHS
Montreal Children’s Hospital,
McGill University Montreal,
Quebec, Canada

The Meaning of “Developing Fetal or Infant Brain”

Ann Tilton, MD
LSU Health Sciences Center New
Orleans, New Orleans, LA

Contributions of Different Etiologies to CP

Michael Kruer, MD
Phoenix Children’s Hospital,
Phoenix, AZ

The Meaning of a CP Diagnosis for Community Members and Other Stakeholders

Paul Gross, BA
President, CEO & Co-Founder;
Cerebral Palsy Research Network,
Greenville, SC

12:30 PM – 1:45 PM

SEMINAR 2:

NEURODEVELOPMENTAL DISORDERS: NEUROLOGICAL AND NEURODEVELOPMENTAL CHALLENGES IN SICKLE CELL DISEASE: STROKE AND BEYOND (I/O)

COURSE DESCRIPTION

Sickle cell disease is an inherited hematological disorder that affects millions of people globally. Despite sickle cell disease being one of the first genetic diseases discovered, many child neurologists and neurodevelopmental physicians are not aware of the heavy neurological burden of this disease and therapeutic options with neurological and developmental implications. While increased risk of stroke and stroke prevention recommendations are widely known, people living with sickle cell disease also have high rates of other neurological and neurodevelopmental complications, even in the absence of brain injury. We will describe the neurological complications, neuroimaging findings, and neurodevelopmental challenges in sickle cell disease across the lifespan. Our first

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speaker will discuss current research and guidelines with regards to stroke risk and prevention in children and adults with sickle cell disease, nationally and globally, as well as other neurological complications seen in this disorder, including seizures and headaches. Our second speaker will discuss current neuroimaging research exploring cerebral physiology, metabolism, and fMRI and new and existing sickle cell disease therapeutics and their impact on the brain in sickle cell disease. Our third speaker will discuss rates and features of neurodevelopmental disorders in sickle cell disease and current neurodevelopmental screening guidelines. Due to therapeutic advances in the last 50 years, more people with sickle cell disease are surviving into adolescence and adulthood. It is essential that child neurologists and neurodevelopmental physicians are aware of the neurological, neurocognitive, and neurodevelopmental complications of this common inherited disease as appropriate medical, developmental, and cognitive screening practices are essential to improving care and reducing health disparities for these patients across the lifespan.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Identify current guidelines and practice regarding management of stroke, headache, and seizures in sickle cell disease.
2. Discuss current research regarding neuroimaging in sickle cell disease.
3. Identify current guidelines and practice regarding recommendations for neurocognitive and developmental screening in sickle cell disease.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Care of children with sickle cell disease and stroke, seizures, and headaches.
2. Care of children with sickle cell disease and neurocognitive and/or developmental issues.

ORGANIZER

Eboni Lance, MD, PhD,
Kennedy Krieger Institute,
Baltimore, MD

Update on Neurological Complications of Sickle Cell Disease: Stroke Risk and Prevention, Headaches, and Seizures

Lori Jordan, MD, PhD
Vanderbilt University Medical Center,
Nashville, TN

Advanced Neuroimaging and New Therapeutics in Sickle Cell Disease

Melanie Fields, MD, MSCI
Washington University, St. Louis, MO

Neurodevelopmental Disorders and Developmental Screening in Sickle Cell Disease

Eboni Lance, MD, PhD

12:30 PM – 1:45 PM

SEMINAR 3:

NEURO-ONCOLOGY: A CASE-BASED APPROACH TO ACUTE NEURO-TOXICITIES IN CHILDHOOD CANCER PATIENTS (I/O)

COURSE DESCRIPTION

As new and effective treatments emerge, neurologists are increasingly called upon to recognize, evaluate, and treat acute and chronic neurologic toxicities of both traditional and newer therapies for childhood cancer and brain tumors. These therapies can include the newer targeted agents as

well as immunotherapies that are used in a broad range of pediatric cancers. Emerging treatments are also used for treatment of complications associated with the tumor predisposition syndromes such as neurofibromatosis type 1 and tuberous sclerosis complex (TSC), both of which are disorders commonly managed by child neurologists. In this symposium, we offer an overview of the main acute neurological toxicities of medical treatments for childhood cancers, including traditional chemotherapy, targeted chemotherapies, and immunotherapies. We will use a case-based approach to discuss acute neuro-toxicities of traditional chemotherapy agents such as methotrexate, targeted agents such as MEK and mTOR inhibitors, and immunotherapies such as check-point inhibitors and CAR-T cell therapies. As use of these newer agents increases, there are increasing data available regarding the breadth of these toxicities as well as up-to-date management recommendations.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Identify and treat acute toxicities of the treatments for nervous system tumors
2. Identify and treat the acute neurological toxicities of agents used to treat pediatric cancers.

IMPACT STATEMENTS

This educational session helped me to identify changes I could make in my practice related to:

1. Targeted agents
2. The diagnosis and management of acute neurological toxicities of chemotherapy for childhood cancers.

ORGANIZER

Cynthia J. Campen, MD, MScE
Stanford University, Stanford, CA

Preliminary Program: Dates/Times Subject to Change

FRIDAY | CONTINUED

MODERATOR

Sonia Partap, MD, MS
Stanford University & Lucile Packard
Children's Hospital, Palo Alto, CA

Traditional Chemotherapy Agents

Nicole Ullrich, MD, PhD, FAAN
Boston Children's Hospital, Boston, MA

Targeted Agents

Cynthia J. Campen, MD, MScE

Immunotherapy

Juliane Gust, MD PhD
Seattle Children's,
University of Washington, Seattle, WA

2:15 PM – 4:30 PM

SYMPOSIUM V: NEUROIMMUNOLOGY: ADVANCEMENTS IN PEDIATRIC NEUROIMMUNOLOGICAL DISEASES (I/V/O)

COURSE DESCRIPTION

The field of neuroimmunology is changing rapidly both in the clinic and in research including in pediatric neuroimmunological disorders. This symposium will provide the latest diagnostic, evaluation, management, and treatment of pediatric neuroinflammatory disorders. Pediatric multiple sclerosis (MS), neuromyelitis optica spectrum disorder, anti-MOG antibody associated disease (MOGAD), transverse myelitis, acute flaccid myelitis (AFM), and autoimmune encephalitis will be discussed. Treatment of MS including recent clinical trials in pediatric MS will be highlighted. MOGAD is a recently described entity causing different neuroinflammatory phenotypes and recent international guidelines on MOGAD will be presented. Acute flaccid myelitis (AFM) can mimic and be mimicked by other inflammatory disorders, so features to

distinguish AFM from other disorders will be described. Increased awareness of autoimmune encephalitis, such as anti-NMDA receptor autoimmune encephalitis (anti-NMDARE), is occurring with providers and in the community. Recent international consensus treatment guidelines for pediatric anti-NMDARE will be reviewed. Moreover, the presentations will address how neuroinflammatory disorders affect patients and their caregivers. The recent international consensus guidelines and research advancements for these diseases will be included to improve clinical implementation of these guidelines.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Describe characteristics and evaluation of different demyelinating and neuroinflammatory disorders in children
2. Discuss treatment and management of different neuroinflammatory diseases in children, including multiple sclerosis, neuromyelitis optica spectrum disorders, anti-MOG associated disorder, acute flaccid myelitis (AFM) and mimickers of AFM, and autoimmune encephalitis

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Evaluation of a patient with suspected neuroinflammatory disease, including which ancillary tests are useful and interpretation of test results
2. Management of pediatric inflammatory diseases, including inpatient and outpatient evidence-based treatments, based upon recent research studies

ORGANIZER

Grace Gombolay, MD
Emory University,
Children's Healthcare of Atlanta,
Atlanta, GA

Multiple Sclerosis and Neuromyelitis Optica Spectrum Disorders

Tanuja Chitnis, MD
Mass General Brigham,
Harvard Medical School, Boston, MA

Myelin Oligodendrocyte Glycoprotein Associated Disorders

Giulia Fadda, MD
McGill University,
Montreal, Quebec, Canada

Acute Flaccid Myelitis and Mimickers

Teri Schreiner, MD MPH
Children's Hospital Colorado,
University of Colorado, Aurora, CO

Anti-NMDA Receptor Encephalitis and Other Autoimmune Encephalitis

Grace Gombolay, MD

4:30 PM – 5:00 PM

CNS BUSINESS MEETING (I)

5:00 PM – 6:30 PM

JUNIOR MEMBER SEMINARS (I)

6:15 PM – 7:00 PM

SCIENTIFIC PROGRAM & PLANNING COMMITTEE MEETING (I)

7:00 PM – 9:00 PM

CLOSING GALA (I)

SESSIONS highlighted in maroon are designated for CME credit.
Agenda and amount of CME credits available are subject to change.

SATURDAY October 15

7:00 AM – 8:15 AM

SEMINAR 4: EDUCATION: STUDYING WHAT MATTERS: INCORPORATING PATIENTS AND FAMILIES INTO PEDIATRIC NEUROLOGY RESEARCH (I/O)

COURSE DESCRIPTION

Historically, patients and their families have primarily served as the subjects and beneficiaries of research in child neurology. It is increasingly clear that parents and patients should also play a key role in defining research priorities, study conception and design, data analysis and interpretation, and helping results reach a broad audience. Yet, questions remain about how to best include parents and patients in the research process. In this seminar, we will discuss how to practically involve parents in research. Our three speakers have first-hand experience in patient-centered research and dissemination. Betsy Pilon, Executive Director of Hope for HIE, will use her expertise to highlight the power of patient and caregiver advocacy groups in facilitating and disseminating research. Dr. Renee Shellhaas will share her experience working with diverse stakeholders, including her experience co-leading the PERF, PCORI, and NIH-funded studies of the Neonatal Seizure Registry. Dr. Adam Hartman, will share how to align proposals with funding priorities in patient-centered design. The session will conclude with a panel question and answer session, moderated by Dr. Monica Lemmon.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Outline key principles of patient-centered research
2. Identify ways to incorporate parents and advocacy groups into all aspects of research, including study design,

protocol implementation, analysis, and results dissemination.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Identifying key principles of patient-engaged research design
2. Incorporating parents and advocacy groups into study design, protocol implementation, data analysis, and results dissemination

ORGANIZER

Monica Lemmon, MD
Duke University School of Medicine,
Durham, NC

The Power of Parents and Advocacy Groups

Betsy Pilon, Executive Director
Hope for HIE, West Bloomfield, MI

Incorporating Stakeholders into Study Design and Analysis: Lessons from the Neonatal Seizure Registry

Renée Shellhaas, MD, MS
Michigan Medicine, University of
Michigan, Ann Arbor, MI

Aligning Proposals with Funding Priorities in Patient-centered Design

Adam L. Hartman, MD
NINDS, NIH, Rockville, MD

7:00 AM – 8:15 AM

SEMINAR 5: FETAL NEUROLOGY: ADVANCES IN FETAL NEUROLOGY: EMERGING IDEAS AND FUTURE LANDSCAPE (I/O)

COURSE DESCRIPTION

Fetal neurology is a rapidly evolving field and continues to advance with more accurate prenatal diagnoses, and improvements in neuroimaging and genetic testing. Increasing number of fetal neurologic consultations across the US allows for earlier

characterization of critical/sensitive periods of developmental neuroplasticity by identifying fetuses and neonates at risk for adverse outcomes and neurodevelopmental disabilities. Increasing numbers of fetal neurological disorders such as congenital brain malformations (disorders of cortical migration, agenesis of corpus callosum, posterior fossa malformations), genetic conditions, prenatal brain injuries (stroke, hemorrhage), or congenital infections are diagnosed in this critical/sensitive period. Timelier and more effective neurotherapeutic interventions can potentially be developed that prevent or mitigate disorders, lowering the burden of neurologic disorders across life span.

The Fetal Neurology Consortium was founded in 2020 and has identified several challenges faced by the interdisciplinary team of clinicians who must recognize and overcome diagnostic limitations while offering accurate and compassionate prenatal counseling and management guidance into postnatal years. This symposium is being submitted as part of efforts of the consortium to disseminate knowledge on advances in fetal neurology. The sessions will include presentations in the areas of advances and future scope of fetal neuroimaging, neurogenetics and neurotherapeutics.

The course is designed for fetal-neonatal neurologists, child neurologists and trainees with special interest in the field of fetal and perinatal neurology, perinatology, and early origin of neurologic disorders.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Define advances in the field of fetal neurology focusing on neuroimaging and neurogenetics.
2. Identify emerging neurotherapeutics for prenatally diagnosed neurologic disorders.

Preliminary Program: Dates/Times Subject to Change

SATURDAY | CONTINUED

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Diagnostic work up for fetal neurologic disorders.
2. Complexities in prenatal counselling and management of fetal neurologic disorders.

ORGANIZER

Sonika Agarwal, MBBS, MD
Children's Hospital of Philadelphia,
Perelman School of Medicine at
the University of Pennsylvania,
Philadelphia, PA

Fetal Neurology Consortium and Registry Workgroup – Fetal Neurology Program Survey Results

Sonika Agarwal, MBBS, MD

Advances in Fetal Neurogenetics: Emerging Ideas and Future Landscape

Lisa Emrick, MD
Baylor College of Medicine,
Houston, TX

Advances in Fetal Neuroimaging: Emerging Ideas and Future Landscape

Tomo Tarui, MD
Tufts Medical Center, Boston, MA

Advances in Fetal Neurotherapeutics and Interventions

David Neal Franz, MD
Cincinnati Children's Hospital/University
of Cincinnati College of Medicine,
Cincinnati, OH

7:00 AM – 8:15 AM

SEMINAR 6:

DIVERSITY: DISABILITY IN CHILD NEUROLOGY: SOCIETY, MEDICINE AND THE PERSON (I/O)

COURSE DESCRIPTION

Health care disparities are real and profound for people with disabilities. Just as racism plays an important role in perpetuating health care disparities, so does ableism. For example, a recent survey of physicians found that only 41% were very confident about their ability to provide the same quality of care to patients with disability (Iezzoni et al. 2021). As child neurologists, our intimate roles caring for disabled children make addressing ableism in our field an imperative. In this symposium, we will consider disability and ableism in the contexts of society, medicine and self/family. Appropriate language and frameworks for thinking about disability will be introduced. Participants will learn practical tools so that their child neurology practice can progress beyond disease management and include optimizing function and promoting inclusion in society as part of routine neurologic care.

Specifically, Dr. Kim will introduce our topic by defining ableism, providing examples, and introduce different models for framing disability. Dr. Christy will discuss ableism in medicine, including the historical evolution of the language we use to describe disability, and how ableism from physicians contributes to health disparities for disabled people (Iezzoni et al. 2021). Dr. Cejas will discuss personal/internal ableism: how disabled people holding these views about themselves impacts their health, and how physicians can help, as well as introducing tools that can help us think about an individual's function (International Classification of Funct...; Rosenbaum and Gorter 2012).

Finally, Dr. Barber will offer discussions of two illustrative cases to highlight these various perspectives on disability and moderate a discussion among the audience and all speakers.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Recognize that ableism is omnipresent and identify ableism in society, in medicine, and in personal/family dynamics.
2. Begin the process of changing the culture of child neurology to decrease ableism and improve neurologic care for children with disabilities.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Using up-to-date, precise and respectful language when talking about disability with professional colleagues, patients, their families, and in society.
2. Moving beyond disease management for our patients to include optimizing function and promoting inclusion in society as part of routine neurologic care.

ORGANIZER

Danielle Guez Barber, MD PhD
Children's Hospital of Philadelphia,
Philadelphia, PA

An Introduction to Disability and Ableism

Young-Min Kim, MD
Loma Linda University Children's
Hospital, Loma Linda, CA

History of Ableism in Child Neurology

Alison Christy, MD, PhD
Providence Health and Services,
Portland, OR

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Ableism and the Individual

Diana M. Cejas, MD, MPH
University of North Carolina at Chapel Hill, Carolina Institute for Developmental Disabilities, Chapel Hill, NC

Panel Discussion, Q&A and Case Studies

MODERATOR

Danielle Guez Barber, MD PhD

- Diana M. Cejas
- Alison Christy, MD, PhD
- Young-Min Kim, MD

8:45 AM – 9:30 AM

HOWER AWARD LECTURE (I/V/O)

Leon G. Epstein, MD
Ann & Robert Lurie H. Children's Hospital of Chicago, Chicago, IL

9:45 AM – 12:00 PM

SYMPOSIUM VI: BEHAVIORAL NEUROLOGY: SPANNING THE DIVIDE: ANXIETY AND MOOD DISORDERS CO-OCCURRING WITH NEUROLOGIC DISORDERS (I/V/O)

COURSE DESCRIPTION

Anxiety and mood disorders commonly co-occur with neurologic disorders of childhood. These psychiatric symptoms arise from shared neural circuits, often interact with neurologic symptoms, and can negatively impact quality of life in our patients. In this session, we will review the increased prevalence of mental health disorders in neurologic conditions and the role of Child Neurologists in recognizing and managing symptoms. We will discuss the shared neural mechanisms of movement, motivation, emotions and behavior. In addition, we will use movement disorders (tic disorders) and epilepsy (Tuberous Sclerosis) as models for how neurologic symptoms

and psychiatric symptoms can coexist and impact each other. Finally, we will discuss the rising prevalence of anxiety and mood disorders in children and adolescents and the impact on child neurology patients. Given the high rates of co-occurring psychiatric conditions in neurologic disorders, it is important that we have the tools to recognize symptoms and understand how to approach management in our patients.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Understand the neurophysiology underlying the close relationship between neurologic disorders and psychiatric symptoms.
2. Understand the role of child neurologist in the care of patients with neurologic disorders and co-occurring psychiatric symptoms.

IMPACT STATEMENTS

This educational session will help attendees to identify changes they can make in their practices related to:

1. Identification of anxiety and mood disorders in youth with neurologic disorders
2. Understanding the relationship between psychiatric and neurologic symptoms in youth

ORGANIZER

Jennifer Vermilion, MD
University of Rochester, Rochester, NY

Overlapping Neural Circuits in Movement Disorders and Mood Disorders: Implications for Diagnosis and Treatment

Jonathan W. Mink, MD, PhD
University of Rochester, Rochester, NY

Tourette Syndrome: Bridging the Border between Neurology and Psychiatry

Jennifer Vermilion, MD

Tuberous Sclerosis Complex Associated Neuropsychiatric Disorders: Insights and Opportunities

Tanjala T. Gipson, MD
University of Tennessee Health Sciences Center, Memphis, TN

Understanding and Addressing Psychiatric Comorbidities in Child Neurology

Devin C. McNulty, PhD
Ann & Robert H. Lurie Children's Hospital, Northwestern University Feinberg School of Medicine, Chicago, IL

12:15 PM – 4:15 PM

CNS CLINICAL RESEARCH ANNUAL WORKSHOP 2022 – PEDIATRIC NEUROLOGY CLINICAL TRIALS – TRIAL DESIGN (I)

COURSE DESCRIPTION

This course is a 4 hour clinical research workshop providing interactive training on specific research methodology topics to support clinical research engagement by all CNS members regardless of prior clinical research experience.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Have an understanding of different types of clinical trials including the strengths and weaknesses of each study type as it applies to their specific area of research
2. Support their clinical research by identifying correct statistical analysis methods and study design specific sources of funding.

IMPACT STATEMENTS

This educational session helped me to identify changes I could make in my practice related to:

1. Initiate new clinical research projects.
2. Meaningful engage in existing clinical research projects.

Preliminary Program: Dates/Times Subject to Change

SATURDAY | CONTINUED

I = In-Person V = Virtual O = On Demand (thru November 15)

ORGANIZER

Ariel Maia Lyons-Warren, MD, PhD
Baylor College of Medicine,
Houston, TX

CO-ORGANIZERS

Josh Bonkowsky, MD, PhD
University of Utah School of Medicine,
Primary Children's Hospital,
Salt Lake City, UT

Janet Soul, MDCM, FRCPC
Boston Children's Hospital,
Harvard Medical School,
Boston Mass, Boston, MA

Angela Hewitt, MD, PhD
University of Rochester Medical Center,
Rochester, NY

Daniel Calame, MD, PhD
Baylor College of Medicine,
Houston, TX

Welcome

Ariel Maia Lyons-Warren, MD, PhD

Introduction to Clinical Research Study Design

Jennifer Vermilion, MD
University of Rochester,
Rochester, NY

Breakout Sessions

Finding the Right Grant for Your Clinical Research Study

Adam L. Hartman, MD

Statistics by Study Design: Selecting the Right Type of Analysis for your Clinical Research Study

Paul S. Horn, PhD
Cincinnati Children's Hospital
Medical Center, Cincinnati, OH

Coffee Break & Networking

How to Get Involved in Multi-Site Clinical Research Trials

Darcy Krueger, MD PhD
Cincinnati Children's Hospital
Medical Center, Cincinnati, OH

Q&A

12:15 PM – 4:15 PM BIOMEDICAL WRITING WORKSHOP (I)

COURSE DESCRIPTION

This interactive workshop for novice writers offers techniques to promote better manuscripts and enhance the likelihood of publication. Topics include avoiding writer's block, responding effectively to revision requests, and practical techniques to improve writing clarity. Numerous text examples illustrate practical ways to improve manuscript writing and organization skills, and the relaxed atmosphere promotes audience participation.

LEARNING OBJECTIVES

As a result of this educational session, participants will be able to:

1. Recognize barriers to successful publication
2. Develop strategies for overcoming writer's block
3. Be able to more effectively revise manuscripts and respond to reviewers and editors
4. Understand the requirements for republication, use of patient materials and privacy concerns

IMPACT STATEMENTS

This educational session helped me to identify changes I could make in my practice related to:

1. Publication of clinical and research articles that promote progress 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

E. Steve Roach, MD

Outwitting Writer's Block

E. Steve Roach, MD

Break

Revising Manuscripts & Responding to Reviews

E. Steve Roach, MD

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

Phillip L. Pearl, MD
Boston Children's Hospital,
Boston, MA

Meet the Editors

- Yasmin Khakoo, MD, FAAN
Memorial Sloan Kettering Cancer
Center, Weill Cornell Medical
College, New York, NY
- E. Steve Roach, MD
- Phillip L. Pearl, MD

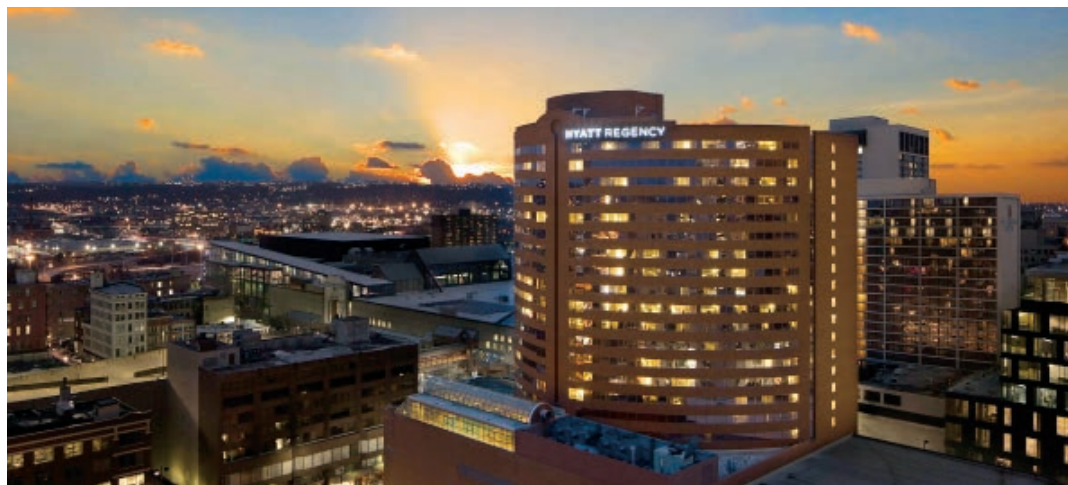
SESSIONS highlighted in maroon are designated for CME credit.
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Travel and Hotel Information



Hyatt Regency Cincinnati

151 West 5th Street, Cincinnati, OH 45202 • Room Rate: \$219 (+ tax) Single/Double



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

HOTEL ACCOMMODATIONS

ON-LINE BOOKING FOR CNS ANNUAL MEETING BEGINNING MID-JULY

The CNS has reserved a block of rooms at the Hyatt Regency Cincinnati and Hilton Cincinnati Netherland Plaza. A direct link to group rate reservations is available upon completion of paid meeting registration.

All transactions and communications are handled directly by registrants with the hotel.

**All CNS
Annual Meeting
registration on-line
beginning mid-July.**

**Hotel reservation link
provided with paid
registration.**



Hilton Cincinnati • Netherland Plaza

35 West 5th Street, Cincinnati, OH 45202 • Room Rate: \$229 (+ tax) Single/Double



2022 CNS Annual Meeting Registration

*This is **NOT** a registration form to fill out and return.*

ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

EARLY REGISTRATION: MID-JULY – AUGUST 31

	In-Person	Virtual Only	Clinical Research Annual Workshop	CNF Fee	Legacy Luncheon	Founders Book Shipped To You Or eBook
	Real-time access to all in-person and live-streamed sessions; post-meeting access to all recorded sessions On Demand thru November 15.	Real-time live-streamed access to Awards lectures & Symposia II-VI; post-meeting access to all recorded sessions On Demand thru November 15.	Capacity: 50		Capacity: 450	
Active Member	☐ \$650	☐ \$650	☐ \$50	☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Emeritus Member	☐ \$250	☐ \$250		☐ \$25	☐ \$25	☐ \$125 ☐ \$100
Junior Member	☐ \$250	☐ \$250	☐ \$50	☐ \$25	☐ \$25	☐ \$125 ☐ \$100
Resident/Trainee (Non-CNS Member)	☐ \$350	☐ \$350		☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Medical Student (CNS Member)	☐ \$50	☐ \$50		☐ \$25	☐ \$25	☐ \$125 ☐ \$100
Medical Student (Non-CNS Member)	☐ \$150	☐ \$150		☐ \$50	☐ \$50	☐ \$125 ☐ \$100
ACNN Member (Nurse)	☐ \$295			☐ \$50	☐ \$75	☐ \$125 ☐ \$100
Nurse (Non-ACNN Member)	☐ \$395			☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Non-CNS Member	☐ \$850	☐ \$850		☐ \$75	☐ \$75	☐ \$125 ☐ \$100
Non-CNS Member (ABPN Board Certified)	☐ \$650	☐ \$650		☐ \$50	☐ \$75	☐ \$125 ☐ \$100
Guest Fee	☐ \$100					

REGISTRATION

ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

HOTEL RESERVATIONS

All transactions and communications are handled directly by registrants with the hotel.

CANCELLATIONS AND REFUNDS

Registration may be cancelled with the following fees and penalties:

- All cancellations must be made in writing, via email and sent to registration@childneurologysociety.org.
- Cancellations received **on or before September 1, 2022** are eligible for a full refund less \$75 administrative fee. Cancellations received **after September 1, 2022** are not eligible for a refund.
- You can change your registration from the In-Person registration to the Virtual Only option at no additional charge. Please contact registration@childneurologysociety.org.
- In the event the CNS must cancel the live meeting due to unforeseen circumstances, CNS will automatically enroll all registration to a Virtual option or give the registrant the option of a full refund within 10 business days after the meeting cancellation. In the event of cancellation of any portion, or entire event, CNS does not assume responsibility for any additional costs, charges, or expenses; to include, charges made for travel and lodging.

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 on-line. Most requests can be accommodated if notification is received by **August 31**.

ALL registrations will be on-line with link posted on CNS website and sent to members via eConnections.

STANDARD REGISTRATION: SEPTEMBER 1 – OCTOBER 15

	In-Person	Virtual Only	Clinical Research Annual Workshop	CNF Fee	Legacy Luncheon	Founders Book Shipped To You Or eBook
	Real-time access to all in-person and live-streamed sessions; post-meeting access to all recorded sessions On Demand thru November 15.	Real-time live-streamed access to Awards lectures & Symposia II-VI; post-meeting access to all recorded sessions On Demand thru November 15.	Capacity: 50		Capacity: 450	
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Junior Member	☐ \$350	☐ \$350	☐ \$100	☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Resident/Trainee (Non-CNS Member)	☐ \$450	☐ \$450		☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Medical Student (CNS Member)	☐ \$150	☐ \$150		☐ \$50	☐ \$50	☐ \$125 ☐ \$100
Medical Student (Non-CNS Member)	☐ \$250	☐ \$250		☐ \$100	☐ \$100	☐ \$125 ☐ \$100
ACNN Member (Nurse)	☐ \$295			☐ \$100	☐ \$100	☐ \$125 ☐ \$100
Nurse (Non-ACNN Member)	☐ \$445			☐ \$100	☐ \$100	☐ \$125 ☐ \$100
Non-CNS Member	☐ \$950	☐ \$950		☐ \$100	☐ \$150	☐ \$125 ☐ \$100
Non-CNS Member (ABPN Board Certified)	☐ \$750	☐ \$750		☐ \$100	☐ \$150	☐ \$125 ☐ \$100
Guest Fee	☐ \$150					

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We look forward to seeing you...



*...at the Duke Energy Center in Cincinnati, Ohio and
to partnering with you at future CNS Annual Meetings.*



52nd CNS Annual Meeting

October 4 - October 7, 2023
Vancouver, BC, Canada



53rd CNS Annual Meeting

November 11-14, 2024
San Diego, California