Pediatric Neurology and Developmental Medicine Update Course: Focus on Patient Management

Saturday, April 1, 2017
7:00 am – 5:00 pm
Duke University Medical Center
Searle Conference Center
Bryan Research Auditorium

Sponsored by the
Duke University School of Medicine

Online Registration only:
https://events.duke.edu/patient-manage-2017

CME: TRANSFORMING KNOWLEDGE
Accreditation
The Duke University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit Designation
The Duke University School of Medicine designates this live activity for a maximum of 7.0 AMA, ANCC PRA Category 1 Credits. Participants should only claim credit commensurate with the extent of their participation in the activity.

Special Assistance
The Duke University Department of Pediatrics Division of Neurology is committed to making its activities accessible to all individuals. If you are in need of accommodations, please do not hesitate to email Vickie Wilson (Vickie.Wilson@duke.edu) with a description of your needs.

Commercial Support Acknowledgement
The following companies have provided educational grants. A complete list of supporters will be published in the course syllabus.

Exhibitor Support Acknowledgement
The following companies will exhibit at the CME activity. A complete list of supporters will be published in the course syllabus.

Symposia Goals
The goals of the symposia are:
1. Enhance the ability of participants in identification, evaluation and care of common and important developmental and neurological disorders in children.
2. Update participants on front-line advancements and hot topics in general pediatric neurology, neuromuscular disorders, and autoimmune neurology.
3. Update participants on cutting-edge developments in epilepsy including special populations, status epilepticus, new medications, surgical management, and cortical function localization.

Target Audience
Core Program: Pediatricians, Pediatric Providers, Nurses and primary care health professionals Special Symposia: Child neurologists, epileptologists, adult neurologists, neuro-geneticists, neuromuscular specialists, neurosurgeons, and nurse practitioners

Learning Objectives
At the conclusion of this activity, participants should be able to:
1. Discuss the updates and evolving guidelines to providers in identification, evaluation and management of common pediatric neurological disorders and neurodevelopment.
2. Delineate the advancements and controversies in evaluation and management of various of the above disorders
3. Describe the advancements and current controversies on epilepsy surgery localization, antiepileptic drugs, and underlying mechanisms.

Disclosure
The Duke University School of Medicine adheres to the ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of the planning committee and faculty’s commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

Resolution of Conflicts of Interest
In accordance with the ACCME Standards for Commercial Support of CME, the Duke University School of Medicine implemented mechanisms, prior to the planning and implementation of this CME activity, to identify and resolve conflicts of interest for all individuals in a position to control content of this CME activity.

Disclaimer
The information provided at this CME activity is for continuing education purposes only and is not meant to substitute for the independent medical judgment of a healthcare provider relative to diagnostic and treatment options of a specific patient’s medical condition.
Focus on Patient Management

Pediatric Neurology and Developmental Medicine Update Course: Focus on Patient Management

The following companies will exhibit at the course and their financial supporter will be published in the course syllabus. The following companies have provided commercial support (Vickie.Wilson@duke.edu) with a description of their support.

The Duke University Department of Pediatrics Special Assistance Designates this live activity for a maximum of 15.0 AMA, ANCC PRA Category 1 Credits commensurate with the extent of their involvement.

Participants should only claim credit for the actual education they complete. At the conclusion of this activity, participants should be able to:

1. Enhance the ability of participants in identification, evaluation and care of children with neurological disorders. The goals of the symposia are:

   a. At the end of this portion of the activity, participants will be able to:

   b. Discuss updates and evolving guidelines to providers in identification, evaluation and management of various of the above disorders and common and important developmental and neurological disorders in special populations, status epilepticus, new medications, surgical management, and cortical function localization.

   c. Update participants on cutting-edge developments in epilepsy including localization, antiepileptic drugs, and underlying mechanisms.

   d. Delineate the advancements and controversies in evaluation and management of various of the above disorders.

Participants should only claim credit for the actual education they complete.

The information provided at this CME activity is for continuing education purposes and is not intended to serve as the sole source of information for a particular patient's medical condition. Participants are expected to use sound judgment in the application of this educational material. The Duke University School of Medicine adheres to the ACCME Essential Areas, Standards, and Policies regarding industry support of continuing medical education. Disclosure of the planning committee and faculty's commercial relationships will be made known at the activity. Speakers are required to openly disclose any limitations of data and/or any discussion of any off-label, experimental, or investigational uses of drugs or devices in their presentations.

In accordance with the ACCME Standards for Commercial Support of CME, the Duke University School of Medicine implemented mechanisms, prior to the activity, that provide reasonable assurance that all information presented or communicated to the audience accurately reflects current scientific and medical knowledge, including an assessment of the study's rigor when appropriate. The resolution of conflicts of interest for all individuals in a position to control content of this CME activity.

Payment for Continuing Medical Education (CME) activities is not an endorsement of any products or procedures discussed in this activity. The views presented do not necessarily reflect those of the Duke University School of Medicine.

Disclaimer

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The Duke University School of Medicine has identified and resolved all its conflicts of interest for this activity.

Accreditation

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Registration Information

Online Registration Only: https://events.duke.edu/patient-manage-2017

Registration Fee:
$120 by March 21, 2017; Free registration for Residents and Students from any institution and for all Duke Nurses and Physicians with proof of status.
Free registration based on need and available space (email Vickie Wilson at vickie.wilson@duke.edu) for information on how to register for free.
Paid registration includes attendance at all sessions, course materials, Coffee breaks and lunch

Cancellation Policy

A written notice of cancellation must be received by Wednesday, March 15th. Refunds will be the registration fee less a $25.00 administrative fee.

On Site Registration and Check-In

Registration Desk located outside the Searle Center Main Lecture Hall
7:00 am Registration opens

Contact Information

For Course Activity Information, please contact Vickie Wilson (vickie.wilson@duke.edu).

For Registration Questions, please contact Duke Conference and Event (conferenceservices@duke.edu) or Vickie Wilson at vickie.wilson@duke.edu.

Lodging Information

Contact Vickie Wilson for a list of hotels located within four miles of Duke University.

The Millennium Hotel (919-383-8575) is offering a group rate of $105/night plus taxes. Mention group name “Duke Pediatric Neurology” to get this rate. Book by Friday March 17th.

Directions and Parking Information

The Searle Center is located in the Sealey G. Mudd Building, which is contiguous to Duke University Medical Center in Durham, North Carolina. Just 20 minutes northwest of Raleigh-Durham Airport (RDU), Durham is also just 15 minutes north of Chapel Hill, and 30 minutes west of Raleigh.

Duke University Medical Center Searle Conference Center is located at 10 Bryan Searle Drive, Durham, NC 27710.

Parking is available at the Bryan Research Parking Garage located on Research Drive.
### Pediatric Neurology and Developmental Medicine Update Course: Focus on Patient Management

#### 7:00 am-7:45 am
**Onsite Registration**

#### Main Hall

**Plenary Session**

- **7:45-8:00** Opening Remarks
- **8:00-8:30** Co-morbid Conditions Affecting Cognition in Children with Down Syndrome. – Dr. Gordon Worley
- **8:30-9:00** Follow-up of Febrile Status Epilepticus: 5 to 10 year Outcome. – Dr. Darrell Lewis
- **9:00-9:30** Honoring Drs. Gordon Worley and Darrell Lewis – Dr. Mohamad Mikati, Dr. Carl E. Stafstrom, and Dr. Ann Reed

#### Main Hall

**Developmental Pediatrics and Pediatric Neurology for Pediatricians**

**Chairs:** Dr. Gordon Worley

<table>
<thead>
<tr>
<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>10:00-10:30</td>
<td>Impact of Media on Child Development</td>
<td>Dr. Purnima Valdez</td>
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<td>10:30-11:00</td>
<td>Epilepsy update for the general pediatrician</td>
<td>Dr. William Gallentine</td>
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<td>11:00-11:30</td>
<td>Update on concussion – Dr. Carolyn Pizoli</td>
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<tr>
<td>11:30-12:00</td>
<td>Insomnia in Children – Dr. Sujay Kansagra</td>
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<tr>
<td>12:00-12:30</td>
<td>Home management of acute seizures – Lyndsey Prange, DNP, RN, CPNP-PC</td>
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**12:30-1:30** Lunch

#### Room #1: Epilepsy Update Symposium

**Chair:** Dr. Mohamad Mikati

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<tr>
<td>10:00-10:30</td>
<td>Mechanisms of Pediatric Epilepsies: An update and Implications on Therapy</td>
<td>Dr. Carl E. Stafstrom</td>
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<td>10:30-11:00</td>
<td>Newer Antiepileptic Therapies (Including Cannabinoids and Advances &amp; Neuromodulation)</td>
<td>Dr. Rodney Radtke</td>
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<td>11:00-11:30</td>
<td>Laser Ablation Epilepsy Surgery – Dr. Michael Haglund</td>
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<td>11:30-12:00</td>
<td>Stereotaxic EEG in Epilepsy Surgery – Dr. Carrie Muh</td>
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<td>12:00-12:30</td>
<td>Status Epilepticus Therapy – Dr. Mohamad Mikati</td>
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**12:30-1:30** Lunch

#### Room #2: Neuro Sciences Nursing Symposium

**Session 1**

**Chair:** Jennifer Street

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<th>Time</th>
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<tbody>
<tr>
<td>10:00-10:30</td>
<td>CBD oil and Duke Inpatient Procedure</td>
<td>Kristin Lott, Clinical Pharmacist</td>
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<tr>
<td>10:30-11:00</td>
<td>Seizure Types – Jennifer Street, RN</td>
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<td>11:00-11:30</td>
<td>Seizure vs. Non-Epileptic Events – Dr. Eric Arehart</td>
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<td>11:30-12:00</td>
<td>Epilepsy Syndromes – Dr. Dmitry Tchapijnikov</td>
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<td>12:00-12:30</td>
<td>Encephalitis – Dr. William Gallentine</td>
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**Session 2**

**Chair:** Lyndsey Prange, CPNP

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<th>Time</th>
<th>Topic</th>
<th>Speaker</th>
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<tr>
<td>1:30-2:00</td>
<td>Central Sleep apnea – Dr. Rich Kravitz</td>
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<td>2:00-2:30</td>
<td>Stem Cell therapy in Neurological Disorder – Dr. Jessica Sun</td>
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<td>2:30-3:00</td>
<td>Spina bifida surgery: timing and long term follow-up – Dr. Herbert Fuchs</td>
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<td>3:00-3:30</td>
<td>Break</td>
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<td>3:30-4:00</td>
<td>Shared Decision Making: The Neurologist’s role – Dr. Monica Lemmon</td>
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<td>4:00-4:30</td>
<td>New polio-like illness. In the news, in our community – Dr. Carolyn Pizoli</td>
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<td>4:30-5:00</td>
<td>POTS, EDS, and headaches – Dr. Elizabeth Rende, DNP, RN, CPNP-PC</td>
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<tr>
<td>3:30-4:00</td>
<td>Surgery for Posterior Fossa tumors and long term prognosis – Dr. Eric Thompson</td>
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<tr>
<td>4:00-4:30</td>
<td>Central Hypersomnia – Dr. Sujay Kansagra</td>
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<td>4:30-5:00</td>
<td>Emerging Therapies of Neuromuscular Disorders – Dr. Edward Smith</td>
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**3:30-4:00** Myopathies – Dr. Edward Smith

**4:00-4:30** Headaches – Dr. Klaus Werner

**3:00-3:30** Break

**4:30-5:00** Break
Pediatric Neurology and Developmental Medicine Update Course: Focus on Patient Management

Course Director

Mohamad Mikati, MD  
Wilburt C. Davison Distinguished Professor of Pediatrics  
Professor of Neurobiology  
Division Chief, Pediatric Neurology

Lyndsey Prange, RN, MSN, CPNP  
Pediatric Nurse Practitioner

Elizabeth Rende, DNP, RN, CPNP  
Pediatric Nurse Practitioner

Duke Faculty  
Department of Pediatrics  
Division of Pediatric Neurology

William Gallentine, DO  
Associate Professor of Pediatrics  
Director, Pediatric Neurology Residency Program/Co-director Autoimmune Brain Disorder Program

Joan Jasien, MD  
Assistant Professor of Pediatrics

Sujay Kansagra, MD  
Director, Pediatric Neurology Sleep Medicine Program  
Assistant Professor of Pediatrics

Darrell Lewis, MD  
Professor of Pediatrics

Monica Lemmon, MD  
Assistant Professor of Pediatrics  
Director, Neonatal Neurology Program

Carolyn Pizoli, MD, PhD  
Assistant Professor of Pediatrics  
Director, Neurology Intensive Care Program

Edward Smith, MD  
Assistant Professor of Pediatrics  
Co-Director, Neuromuscular Program  
Director, Pediatric Muscular Distrophy Clinic

Gordon Worley, MD  
Director, Program in Neurodevelopmental Disabilities

Purnima Valdez, MD  
Assistant Professor of Pediatrics

Klaus Werner, MD, PhD  
Assistant Professor of Pediatrics

Candy Richardson, Clinical Dietitian

Jennifer Street, Clinical Nurse II

Division of Pulmonary and Sleep Medicine

Richard Kravitz, MD  
Director, Pediatric Sleep Lab  
Co-Director, Comprehensive Neuromuscular Program  
Associate Professor of Pediatrics

Neuro Diagnostic Lab

Zachary Cantor, BS  
Neuro diagnostic Manager

Jessica Sun, MD  
Assistant Professor of Pediatrics

Child & Family Mental Health

Melanie Bonner, Ph.D.  
Professor, Child & Family Mental Health
Invited Speaker:

Carl E. Stafstrom, MD, PhD
Leader Chair in Pediatric Epilepsy
Professor of Neurology and Pediatrics
Director, Division of Pediatric Neurology
Director, Pediatric Epilepsy Center
Johns Hopkins University School of Medicine
Pediatric Neurology and
Developmental Medicine
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