Advances in Epilepsy and EEG

CME Symposium

May 20 - 21, 2016
Northwestern Memorial Hospital
Chicago, Illinois

Sponsored by Northwestern Medicine
A new definition of epilepsy was recently proposed, while several medical and surgical treatment options have been approved by the FDA. The Institute of Medicine recognized a practice gap in the care of epilepsy patients to offer advanced diagnostic workup and treatment of their seizures and associated comorbidities with a comprehensive approach. The purpose of this activity is to inform community neurologists and pediatric neurologists, as well as healthcare providers working in epilepsy centers across the Chicagoland area, about the advancements in epilepsy diagnosis and treatment.

The CME activity focuses on five areas that have been identified through our needs assessment: new treatment options, new onset epilepsy, treatment of special populations, neonatal EEG and ambulatory EEG. Our program will specifically address these areas, providing attendees with an understanding of the indication and implementation of these advances in their practice.

Please join Northwestern and invited faculty on May 20 – 21 for an informal and interactive discussion.

Program objectives
After attending this educational activity, participants should be able to:

1. Identify the approach to a patient with newly diagnosed epilepsy and the new ILAE definition and guidelines.
2. Evaluate the indications and limitations of ambulatory EEG recordings.
3. Recognize the special needs and treatment options for specific populations with epilepsy.
4. Review the basic principles of neonatal EEG and learn about its utility in the Neonatal ICU setting and for prognostication.
5. Predict patients who are candidates for the most recent treatment options for intractable epilepsy.

For more information, please contact Sarah Baggs at Northwestern Memorial HealthCare at 312.926.7975.
# Agenda: Friday, May 20

## NEW THERAPIES FOR REFRACTORY EPILEPSY

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Presenter(s)</th>
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<tbody>
<tr>
<td>1:30 pm</td>
<td>Registration and Refreshments</td>
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<tr>
<td>2:00 pm</td>
<td>Welcome</td>
<td>Stephan U. Schuele, MD, MPH, and Stephen A. VanHaerents, MD</td>
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<td>2:15 pm</td>
<td>Stimulation Treatment</td>
<td>Stephen A. VanHaerents, MD</td>
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<tr>
<td>3:15 pm</td>
<td>New AEDs</td>
<td>Jorge J. Asconapé, MD</td>
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<tr>
<td>4:15 pm</td>
<td>Break</td>
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<td>4:30 pm</td>
<td>Ketogenic Diet</td>
<td>Antoaneta J. Balabanov, MD</td>
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<td>5:30 pm</td>
<td>Panel Discussion - Q&amp;A</td>
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<td>6:00 pm</td>
<td>Adjourn</td>
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Workshops: Saturday, May 21

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<tr>
<th>NEONATAL EEG WORKSHOP</th>
<th>NEW ONSET EPILEPSY WORKSHOP</th>
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<tr>
<td><strong>8:15 am</strong> Breakfast and Registration</td>
<td><strong>8:15 am</strong> Breakfast and Registration</td>
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| **9:00 am** Introduction to Neonatal EEG  
  Sunila O’Connor, MD | **9:00 am** First-Time Seizure Guidelines, Definitions and ILAE Classifications  
  Jay R. Gavvala, MD |
| **10:00 am** EEG in Early Life Epilepsy  
  John J. Millichap, MD | **10:00 am** First Line Medications  
  Micheál P. Macken, MD |
| **11:00 am** Neonatal ICU Monitoring  
  Michael Kohrman, MD | **11:00 am** Counseling: Driving, Precautions, SUDEP  
  James Tao, MD, PhD |
| **12:00 pm** EEG Background and Prognosis  
  Lubov F. Romantseva, MD | **12:00 pm** Advanced Workup: Autoimmune Epilepsy  
  Stephen A. VanHaerents, MD |
| **1:00 pm** Lunch | **1:00 pm** Lunch |

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<tr>
<th>AMBULATORY EEG</th>
<th>SPECIAL POPULATIONS</th>
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| **2:00 pm** History and Indication  
  Adriana C. Bermeo-Ovalle, MD | **2:00 pm** Epilepsy in the Elderly  
  Michael C. Smith, MD |
| **2:30 pm** Normal EEG and Artifacts  
  Jay R. Gavvala, MD | **2:30 pm** Brain Tumors and Epilepsy  
  Jeffrey J. Raizer, MD |
| **3:00 pm** Epileptiform Findings  
  Stephan U. Schuele, MD, MPH | **3:00 pm** Women with Epilepsy  
  Elizabeth E. Gerard, MD |
| **3:30 pm** Break | **3:30 pm** Break |
| **3:45 pm** Quantitative EEG  
  Elizabeth E. Gerard, MD | **3:45 pm** Traumatic Brain Injury and Epilepsy  
  Jeffrey A. Loeb, MD, PhD |
| **4:15 pm** Video Ambulatory EEG  
  Esmeralda Park, MD | **4:15 pm** Generalized Epilepsy in Adults  
  Jorge J. Asconapé, MD |
| **4:45 pm** Closing Comments and Adjournment | **4:45 pm** Closing Comments and Adjournment |
Program course directors

**Stephan U. Schuele, MD, MPH**
Comprehensive Epilepsy Center  
Northwestern Memorial Hospital  
Associate Professor of Neurology and Physical Medicine  
and Rehabilitation  
Northwestern University Feinberg School of Medicine

**Stephen A. VanHaerents, MD**
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Clinical Instructor of Neurology  
Northwestern University Feinberg School of Medicine

**John J. Millichap, MD**
Ann & Robert H. Lurie Children's Hospital of Chicago  
Assistant Professor of Pediatric Neurology  
Northwestern University Feinberg School of Medicine

Program faculty

**Jorge J. Asconapé, MD**
Loyola Medicine  
Professor of Neurology  
Loyola University Chicago Stritch School of Medicine

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Rush Epilepsy Center  
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The University of Chicago Medicine  
Comer Children's Hospital  
Professor of Pediatrics and Neurology  
The University of Chicago Pritzker School of Medicine

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**Esmeralda Park, MD**
Alexian Brothers Neurosciences Institute

**Jeffrey J. Raizer, MD**
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Northwestern Memorial Hospital  
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Northwestern University Feinberg School of Medicine

**Lubov F. Romantseva, MD**
Assistant Professor of Pediatric Neurology  
Rush University Medical Center

**Michael C. Smith, MD**
Rush Epilepsy Center  
Professor of Neurology  
Rush University Medical Center

**James Tao, MD, PhD**
Director, Electroencephalography (EEG) Laboratory  
Associate Professor of Neurology  
University of Illinois College of Medicine at Chicago

**Jeffrey A. Loeb, MD, PhD**
John S. Garvin Professor and Head  
Department of Neurology and Rehabilitation  
University of Illinois College of Medicine at Chicago
Hotel accommodations
To make a hotel reservation, please call our Health Resources Department at 312.926.ROOM (7666). We recommend you make your reservations as soon as possible to guarantee accommodations.

Program location
The program will be held at Northwestern Memorial’s Feinberg Pavilion, 251 E. Huron St., third floor, Conference Room A, Chicago, IL.

Directions and parking
Please visit our website at nm.org for directions to the conference. We offer discounted parking in the garage just north of the hospital at 222 E. Huron St.

Please bring your parking ticket with you for validation.

Audience
The content of the program is appropriate for healthcare providers who detect, diagnose, manage, and treat seizures and epilepsy.

Registration fee
The fee is $55 for attending physicians, $25 for fellows and $15 for all other healthcare professionals. Breakfast, refreshments and lunch will be provided. Space is limited. Registration is accepted on a first-come, first-served basis.

Registration procedure
Complete the registration form and mail it with your check made payable to Northwestern Memorial HealthCare (CME) to the address listed below, prior to May 11, or fax registration form with credit card information to Sarah Baggs at 312.694.2249 (this is a private line).

For additional information:
Northwestern Memorial HealthCare
675 North St. Clair Street, Galter 3-104
Chicago, IL 60611
PHONE: 312.926.7975
FAX: 312.694.2249
EMAIL: sbaggs@nm.org

Accreditation statement
The Northwestern University Feinberg School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

Credit designation statement
The Northwestern University Feinberg School of Medicine designates this educational activity for a maximum of 10.0 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Family attractions
Northwestern Memorial Hospital is located in the heart of Chicago, within walking distance of a variety of restaurants, public transportation and the Magnificent Mile, Chicago's premier shopping area. For a listing of all that Chicago has to offer, visit cityofchicago.org.
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Registration

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Name: ___________________________________________________ Title: ___________________________________________________

Specialty/Subspecialty: _______________________________________________________________________________________

☐ MD ($55) ☐ Fellow ($25) ☐ Resident ($15) ☐ NP/RN ($15)

☐ Check ☐ Credit Card

☐ VISA® ☐ MasterCard® ☐ American Express®

Account Number: ___________________________________________ Exp: ___________________________

Hospital Affiliation(s): _______________________________________________________________________________________

Business Address: ____________________________________________________________________________________________

City: __________________________________ State: ______________________ ZIP: ______________

Email: _________________________________________________________________________________________________

Please Indicate Any Special Needs: __________________________________________________________________________

Dietary Preferences: ______________________________________________________________________________________

For more information about Northwestern Medicine, please visit nm.org.
For more information about Northwestern’s Comprehensive Epilepsy Center, please visit epilepsy.nm.org.
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