

Mayo School of Continuous Professional Development

# Epilepsy and EEG in Clinical Practice



November 10-12, 2016

Hard Rock Hotel<sup>®</sup> at Universal Orlando Orlando, FL



Course Directors Jeffrey Britton, M.D. William Tatum, D.O.



# **REGISTER NOW!**

Registration and additional course information can be found on our NEW course website: **ce.mayo.edu/node/20041** 

### **Course Description**

This program is intended for neurologists, physicians in internal medicine, family practice and general practice, pediatricians, physician assistants, family practice and general practice physicians nurses and allied health professionals involved in the care of patients with seizures and epilepsy. The course will focus on a review of current clinical practice related to recognizing seizures and epilepsy in conjunction with adjunctive EEG testing and will detail how technology can lead to incorrect diagnosis and treatment. An interactive and didactic format includes multimedia presentations and allows audience participation. The event will conclude with an opportunity for participants to ask questions on the cases discussed or present their own cases to the faculty panel.

### **Course Learning Objectives**

Upon conclusion of this program, participants should be able to:

- Discuss common errors when treating children and young adults with recurrent spells
- Describe the challenges associated with the diagnosis and management of seizures in patients with and without epilepsy
- Recognize the gaps in treatment that exist for adults with recurrent attacks when medication fails to provide control
- Discuss the impact of misdiagnoses in the treatment of epilepsy
- Compare case vignettes of patients with seizures and spells in real-life scenarios that appear during the course of routine clinic and hospital consultation
- Recognize common normal variations in EEG including the benign variants that may be misleading
- Identify when to use different techniques in recording and monitoring patients with seizures
- Recognize the impact of video-EEG monitoring in the diagnosis and treatment of patients with recurrent seizures and attacks that are resistant to medication
- Recognize and define appropriate treatment strategies for refractory seizure disorders

Attendance at this Mayo Clinic course does not indicate nor guarantee competence or proficiency in the performance of any procedures which may be discussed or taught in this course.

### **Intended Audience**

Neurologists, epileptologists, psychiatrists, primary care physicians, nurse practitioners and health care professionals responsible for the diagnosis, treatment or management of patients with epilepsy.

### Credit

Mayo Clinic College of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Mayo Clinic College of Medicine designates this live activity for a maximum of 15.75 *AMA PRA Category 1 Credits*<sup>TM</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

### **AOA**

This program has been accredited by the American Osteopathic Association for 15.75 credits of AOA Category 2-A.

### Other Health Care Professionals

A certificate of attendance will be provided to other health care professionals for requesting credits in accordance with state nursing boards, specialty societies, or other professional associations.

### **Grants and Exhibits**

At the time of this printing, a complete listing of commercial supporters (financial or in-kind) was not available. Appropriate acknowledgment will be given to all supporters at the time of the meeting.

Exhibits will be available for viewing at all scheduled breaks.

### Registration

To register online, visit ce.mayo.edu/node/20041.

The registration fee includes tuition, comprehensive course syllabus (electronic), continental breakfasts and lunches. Although it is not Mayo School of Continuous Professional Development (CPD) policy to limit

the number of registrants for a course, conference room facilities may necessitate closing of enrollment; therefore, early registration is advised. A letter of confirmation will be sent upon receipt of payment and completed registration form.

**Registration Fees** 

Physicians/Scientists	\$600
Residents, Retirees,	\$400
PAs and NPs	

### Cancellation Policy

If you cancel your participation in this course, your registration fee, less a \$75 administrative fee, will be refunded when written notification is received by Mayo School of CPD on or before October 27, 2016 (cme-jax@mayo.edu). No refunds will be made after October 27, 2016. Canceled registrations are nontransferable.

Mayo School of CPD reserves the right to cancel or postpone any course due to unforeseen circumstances. In the unlikely event Mayo School of CPD must cancel or postpone this course, Mayo School of CPD will refund the registration fee, but is not responsible for any related costs, charges, or expenses to participants, including fees assessed by airline/travel/lodging agencies.

### For additional information, contact:

Mayo School of Continuous Professional Development

Website: ce.mayo.edu E-mail: cme-jax@mayo.edu Phone: 800-462-9633

### **Travel and Lodging** Accommodations

Hard Rock Hotel® at Universal Orlando 5800 Universal Blvd Orlando, FL 32819 888-832-7155 tinyurl.com/MayoHardRock

Pricing: \$199 - this rate is also offered three days before and three days after the event dates based upon availability.

### **Hotel Description**

Live like a rock 'n' roll superstar at the exciting Hard Rock Hotel® at Universal Orlando® . It's the perfect mix of funk and just plain fun. This AAA Four Diamond Award® winner will make you feel like rock 'n' roll royalty with impeccable accommodations, a wealth of recreation and personal service and attention fit for an "A-List" celebrity. Designed in a California mission-style architecture, the Hard Rock Hotel embodies the soul, spirit and attitude of rock. It's lively, yet laid back. Classy, yet totally casual, with a sand beach pool that immerses you in sound, not just water; authentic rock 'n' roll memorabilia; the legendary Palm Restaurant and more. Best of all, the 650-room hotel is located just a short walk, complimentary water taxi or shuttle away from the Universal CityWalk® entertainment complex and both Universal Orlando theme parks: Universal Studios® and Universal's Islands of Adventure®. You don't have to be a rock star to stay at the Hard Rock Hotel. But after just a few hours, you'll definitely get used to living the lifestyle.

Mayo School of CPD is not responsible for expenses incurred by an individual who is not confirmed and for whom space is not available at the meeting. Costs incurred by the registrant such as airline or hotel fees or penalties are the responsibility of the registrant.

# **Parking**

Complementary overnight self-parking is available for hotel-registered attendees.

# **Faculty**

**Course Directors** 

Jeffrey W. Britton, M.D. William Tatum, D.O.

### Mayo Faculty

Gregory D. Cascino, M.D. Amy Z. Crepeau, M.D. Joseph F. Drazkowski, M.D. W. David Freeman, M.D. Matthew T. Hoerth, M.D. Raj D. Sheth, M.D. Joseph I. Sirven, M.D. Elson So, M.D. Robert E. Wharren, Jr., M.D.

### **Faculty Disclosure**

As a provider accredited by ACCME, Mayo Clinic College of Medicine (Mayo School of Continuous Professional Development) must ensure balance, independence, objectivity and scientific rigor in its educational activities. Course director(s), planning committee, faculty, and all others who are in a position to control the content of this educational activity are required to disclose all relevant financial relationships with any commercial interest related to the subject matter of the educational activity. Safeguards against commercial bias have been put in place. Faculty also will disclose any off-label and/or investigational use of pharmaceuticals or instruments discussed in their presentation. Disclosure of this information will be published in course materials so those participants in the activity may formulate their own judgments regarding the presentation.

## **National Physician Payment Transparency Program**

Mayo Clinic College of Medicine complies with the requirements of the National Physician Payment Transparency Program OPEN PAYMENTS (Physician Payments Sunshine Act).



# Program Agenda

Thursday, November 10, 2016		10:00	Break
7:00 a.m.	Registration & Continental Breakfast	10:15	Ictal EEG in Epilepsy Matthew Hoerth, M.D.
7:45	Pre-test	10:45	Seizure Mimics William Tatum, D.O.
7:55	Welcome William Tatum, D.O.	11:15	ICU EEG Monitoring Amy Crepeau, M.D.
8:00	Epilepsy in Perspective William Tatum, D.O.	11:45	Automated Alerts in Remote ICU EEG Monitoring
8:30	EHR and Epilepsy Matthew Hoerth, M.D.	12:15 n m	W. David Freeman, M.D.
9:00	First Seizure: To treat or not to treat? Amy Crepeau, M.D.	12:15 p.m. 1:00	Lunch (Case Presentation*)  Ambulatory EEG in Epilepsy  William Tatum, D.O.
9:30	Seizure Classification Raj Sheth, M.D.	1:30	Video-EEG Monitoring in Epilepsy Joseph Drazkowski, M.D.
10:00	Break	2:00	Billing and Coding
10:15	Women and Special Epilepsy Populations <i>Amy Crepeau, M.D.</i>	2.00	Jeffrey Britton, M.D.
		2:30	Adjourn
10:45	Common Pediatric Epilepsies Raj Sheth, M.D.	*CAA-EEG	
11:15	New Antiseizure Drugs in Epilepsy William Tatum, D.O.	Saturday, November 12, 2016	
11:45	Lunch (12:30 Case presentation*)	7:00 a.m.	Continental Breakfast
		8:00	Imaging in Epilepsy Elson So, M.D.
12:45 p.m.	Surgery for Drug Resistant Epilepsy Gregory Cascino, M.D.	8:30	Autoimmune Epilepsy  Jeffrey Britton, M.D.
1:15	Driving and Flying with Epilepsy Joseph Drazkowski, M.D.	9:00	Minimally Invasive Epilepsy
1:45	Marijuana for Epilepsy Gregory Cascino, M.D.		Surgery Robert Wharen, Jr., M.D.
2:15	Adjourn		Neuromodulation William Tatum, D.O.
*Teenager	•	10:00	Break
	November 11, 2016	10:15	Treatment of Seizure Emergencies
7:00 a.m.	Continental Breakfast	10.45	Joseph Sirven, M.D.
8:00	Normal EEG & Benign Variants- Pitfalls	10:45	Complications of Epilepsy & SUDEP Elson So, M.D.
8:30	Matthew Hoerth, M.D.  Evaluating Epilepsy in Young Adults	11:15	Diet and Alternative Therapy Joseph Sirven, M.D.
	Raj Sheth, M.D.	11:45	Post-test
9:00	Interictal EEG in Epilepsy-Adults Jeffrey Britton, M.D.	12:00 p.m.	Course Conclusion and Adjournment
9:30	Pediatric Video-EEG Raj Sheth, M.D.		



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If you already received a copy of this brochure, please give this brochure to an interested colleague.

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