41st Annual

HANS BERGER
Clinical Neurophysiology SYMPOSIUM

Status Epilepticus and Acute Seizure Management

A comprehensive update of recent advances for physicians, technologists, and healthcare providers.

May 20 - 21, 2013
Richmond, Virginia

Presented by:
The Department of Neurology
Virginia Commonwealth University School of Medicine
and
The Epilepsy Center of Excellence
at Hunter Holmes McGuire Veterans Administration Medical Center
### Conference Description

Virginia Commonwealth University School of Medicine Department of Neurology presents distinguished faculty from epilepsy centers and neurophysiology laboratories across the country in the 41st Annual commemoration of Hans Berger’s birthday. The goal of the symposium is to offer physicians, technologists and medical professionals practical information in applying state-of-the-art electrodiagnostic testing in the clinical management of patients with epilepsy and related disorders. Educational objectives for each presentation are listed under each topic to be presented in the schedule.

### Learning Materials

You will be able to obtain a FREE DOWNLOAD of the course materials one week prior to the symposium. The link for the free download will be sent to you by email one week prior to the symposium. You must download the materials prior to your arrival. No printed syllabus will be available at the meeting. We will also offer a USB card of the syllabus materials for $20. Wifi will be available to preregistered participants in the Medical Sciences Building.

### Accreditation and Credit

University Health Services Professional Education Programs (UHS-PEP) of Virginia Commonwealth University Health System is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

UHS-PEP designates this live activity for a maximum of 12.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The American Society of Electroneurodiagnostic Technologists has granted 13.0 ASET Continuing Education (ACE) credits for this program. Such crediting, however, should not be construed by program participants as an endorsement of any type of instruments or supplies mentioned or involved in these presentations.

This continuing education activity meets the criteria of Virginia Commonwealth University and the Southern Association of Colleges and Schools. 1.3 CEUs will be awarded and recorded with the University.

Virginia Commonwealth University is an equal opportunity/affirmative action employer.

### QUESTIONS and INFORMATION

Sage Blaska, GradDip, MFA  
VCU Office of Continuing Medical Education  
(800) 413-2872 or (804) 828-3640,  
Email questions to:  cmeinfo@vcu.edu  
Register online:  www.vcuhealth.org/cme/register
**Monday, May 20, 2013**

**AM**
- 8:00 – 8:45 Registration and Continental Breakfast
  - *Exhibits Open*
- 8:50 – 9:00 Welcome and Announcements
- 9:00 – 9:45 HANS BERGER LECTURE
  - Consequences of Prolonged Febrile Seizures
    - Shlomo Shinnar, MD, PhD
  - Define the epidemiology of febrile SE and differentiate it from brief febrile seizures
- 9:45 – 10:30 The Role of EEG in the Evaluation of Febrile Seizures
  - Douglas R. Nordli, Jr., MD
  - Recognize EEG features of febrile SE and describe their significance; justify the utility of EEG in children with complex febrile seizures
- 10:30 – 11:00 Break with Exhibits
- 11:00 – 12:00 Pre-hospital and Emergency Management of Febrile Status Epilepticus
  - Syndi Seinfeld, DO
  - Recognize the effects of respiratory support and early treatment on seizure duration; describe barriers to rapid and adequate treatment of acute seizures

**PM**
- 12:00 – 12:15 Questions & Answers
- 12:15 – 1:00 Boxed Lunch Provided with Exhibits
- 1:00 – 2:00 DISTINGUISHED SCHOLAR AWARD
  - Status Epilepticus: Trials and Tribulations
    - Daniel H. Lowenstein, MD
    - Discuss studies of pre-hospital treatment of SE and their influence on current management; identify SE treatment issues that warrant further study
- 2:00 – 2:45 Developing a New ICU cEEG Program: An Overview
  - Ryan Lau, MS, R.EEG/EPT, CNIM, CLTM
  - List the challenges involved in starting a new ICU cEEG program; assess clinical, staffing, and budget needs
- 2:45 – 3:00 Break with Exhibits
- 3:00 – 3:45 FIRES (Febrile Infection-Related Epilepsy Syndrome)
  - A Case-based Discussion
    - Lawrence D. Morton, MD
    - Define and recognize FIRES; discuss its treatment and prognosis
- 3:45 – 4:30 A Molecular Approach to Understanding and Treating Long-term Morbidity
  - Robert J. DeLorenzo, MD, PhD, MPH
  - Describe morbidities of SE survivors; identify new frontiers in reversing these morbidities
- 4:45 – 6:30 EEG Record Review Session
  - Kartik Sivarasaman, MD, Soundarya Gowda, MD, Lawrence D. Morton, MD
  - Recognize EEG patterns of recurrent seizures and SE; differentiate ictal EEG patterns from ICU artifacts

**Tuesday, May 21, 2013**

**AM**
- 7:45 – 8:20 Registration and Continental Breakfast
  - *Exhibits Open*
- 8:20 – 8:30 Welcome and Announcements
- 8:30 – 9:00 Infantile Spasms: New Approaches to an Old Disease
  - Shlomo Shinnar, MD, PhD
  - Review current diagnostic criteria for infantile spasms, approaches to treatment and treatment response; discuss the consequences of infantile spasms and the impact of early treatment
- 9:00 – 9:30 The EEG Correlate of Epileptic Encephalopathies
  - Douglas R. Nordli, Jr., MD
  - Recognize the EEG correlate of common early epileptogenic encephalopathies; discuss the pathophysiology and implications of the EEG findings
- 9:30 – 10:00 A Proposed New Classification System for Status Epilepticus
  - Daniel H. Lowenstein, MD
  - Review prior classification systems for SE; discuss a proposed new classification system for SE
- 10:00 – 10:30 Break, and move to breakout locations
- 10:30 – 12:00 Breakout Sessions
  - A. The Epidemiology of SE
    - Alan R. Towne, MD, MPH
    - Discuss the incidence and prevalence of SE; recognize the different clinical presentations of SE
  - B. Clinical Assessment of Seizures in the EMU and the ICU
    - Heather L. Hodges, RN, CNRN, CCRC, CBIS
    - Tanya M. Bazemore, R.EEGT, CLTM
    - Utilize TREND analysis to identify an EEG seizure; describe methods for clinically evaluating a seizing or post-ictal patient
  - C. EEG – Name That Pattern
    - Elizabeth J. Waterhouse, MD
    - Attendees will use the audience response system
  - D. Refractory Status Epilepticus: When Seizures Don’t Stop
    - Soundarya Gowda, MD
    - Describe mechanisms and causes of refractory SE; list emerging treatment options for refractory SE

**PM**
- 12:00 – 12:15 Reports from Breakout Sessions and Discussions
- 12:15 – 1:00 Boxed Lunch Provided with Exhibits
- 1:00 – 2:00 DISTINGUISHED SCHOLAR AWARD
  - Status Epilepticus: Trials and Tribulations
    - Daniel H. Lowenstein, MD
    - Discuss studies of pre-hospital treatment of SE and their influence on current management; identify SE treatment issues that warrant further study
- 2:00 – 2:45 Developing a New ICU cEEG Program: An Overview
  - Ryan Lau, MS, R.EEG/EPT, CNIM, CLTM
  - List the challenges involved in starting a new ICU cEEG program; assess clinical, staffing, and budget needs
- 2:45 – 3:00 Break with Exhibits
- 3:00 – 3:45 A Molecular Approach to Understanding and Treating Long-term Morbidity
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- 3:45 – 4:30 EEG Record Review Session
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Please join us for refreshments and an educational EEG Record Review Session. This session is intended for END Technologists and other healthcare providers registered for the Hans Berger Symposium, and will take place from 4:45pm to 6:30pm. You must reserve your seat in advance, as seating will be limited. Please feel free to bring any interesting EEGs you would like to review as well.
Conference Location
The Hermes A. Kontos Medical Sciences Building is located on the medical campus of Virginia Commonwealth University at 1217 East Marshall Street in Richmond, Virginia.

Conference Parking is available from 6:00am to 7:00pm for $5.00 (fee subject to change) at the entrances of the Gateway Building located on Marshall Street and the Massey Cancer Center located at the corner of Marshall Street and College Street.

Lodging Accommodations - Two Options

Hilton Garden Inn
The Hilton is located at 501 East Broad Street in Richmond, Virginia. A limited number of King rooms are being held at the conference rate of $112.00, single or double. To make reservations call the hotel at (804) 344-4300. A 13% sales tax is added to the hotel rate per night. The cutoff date for hotel reservations is April 25, 2013. Please advise the hotel that you are with the Hans Berger Symposium to receive the special rate. Check-in time is 4:00pm and check-out time is 11:00am. Reservation cancellations must be received by the hotel at least 72 hours prior to arrival to avoid being charged one night’s room and tax. The hotel has an early departure fee of one night’s room and tax and will posted as a miscellaneous charge.

*Parking at Hilton: Valet Parking is available at $21.00 per car per day and subject to change. Spaces are available on a first come, first served basis for hotel guests and are limited. You can self park at the public 5th and Marshall Parking Garage, at the current rate of $8.00 per hour, up to a maximum of $18.00 per day. In and out privileges do not apply at these public garages.

Crowne Plaza Hotel
The Crowne Plaza Hotel is located at 555 East Canal Street in Richmond, Virginia. A limited number of rooms are being held at the conference rate of $89.00, single or double occupancy. To make reservations call the hotel at (804) 788-0900 or (800) 227-6963. A 13% sales tax is added to the hotel rate per night. The cutoff date for hotel reservations is April 25, 2013. Please advise the hotel that you are with the Hans Berger Symposium to receive the special rate. Check-in time is 3:00pm and check-out time is 12:00 noon. Reservation cancellations must be received by the hotel at least 72 hours prior to arrival to avoid being charged one night’s room and tax.

*Parking at Crowne Plaza: Complimentary self parking in the hotel’s garage is available. Valet parking is not discounted. If the garage is full upon arrival, an alternate lot is available at the intersection of 4th and Canal Streets. This honor parking lot is $6.00 per day and is 1 block from the hotel.

* A hotel shuttle bus will be available to go between EACH hotel and the Hermes A. Kontos Medical Sciences Building. See a hotel representative to make your own arrangements upon arrival.

Conference Parking is available from 6:00am to 7:00pm for $5.00 (fee subject to change) at the entrances of the Gateway Building located on Marshall Street and the Massey Cancer Center located at the corner of Marshall Street and College Street.