You are cordially invited to our very first Comprehensive EEG & Epilepsy Course. This course given at the University of Pittsburgh Comprehensive Epilepsy Center is an intensive 2.5-day course designed to introduce core clinical epilepsy and EEG competency, as well as cutting edge pre-surgical evaluation techniques for medically refractory epilepsies. During this course a series of didactic lectures will be given to provide in depth coverage of various topics in epilepsy and EEG (e.g. classification, semiology, mimickers of epilepsy, normal variants, nonepileptic abnormalities, epileptic patterns, comatose EEGs, pharmacologic and surgical epilepsy treatment, etc.)

**Learning objectives:**

The aim of this course is to improve core clinical epilepsy and EEG competency and to provide updates on cutting edge epilepsy surgical evaluations and treatment.

**Target Audience:**

This course is intended for residents, fellows, attending physicians and local community physicians in all specialties who are interested in EEG and epilepsy. This course will also provide engaging case-based reviews and discussion of pre-surgical epilepsy evaluations.

**Faculty Listing**

Joanna Fong-Isariyawongse, MD (Program Director)
Assistant Professor
University of Pittsburgh Medical Center
Department of Neurology
Pittsburgh, Pennsylvania
Rafeed Alkawadri, MD
Associate Professor
University of Pittsburgh Medical Center
Department of Neurology
Pittsburgh, Pennsylvania

Anto Bağić, MD, PhD, FAES, FACNS Division of Epilepsy
Professor
University of Pittsburgh Medical Center
Department of Neurology and Neurosurgery
Pittsburgh, Pennsylvania

Niravkumar Barot, MD
Assistant Professor
University of Pittsburgh Medical Center
Department of Neurology
Pittsburgh, Pennsylvania

James Castellano, MD, PhD
Assistant Professor
University of Pittsburgh Medical Center
Department of Neurology
Pittsburgh, Pennsylvania

Luis Fernandez, MD
Assistant Professor
University of Pittsburgh Children’s Hospital
Department of Pediatrics
Pittsburgh, Pennsylvania

Daniel Fishman, MD
Assistant Professor
University of Pittsburgh Medical Center
Department of Psychiatry & Neurology
Pittsburgh, Pennsylvania

Jorge Gonzalez-Martinez, MD, PhD, FAANS
Professor
University of Pittsburgh Medical Center
Department of Neurosurgery
Pittsburgh, Pennsylvania

Joseph Mettenburg, MD, PhD
Diagnostic Radiologist
University of Pittsburgh Medical Center
Department of Radiology-Neuroradiology
Pittsburgh, Pennsylvania

Vijayalakshmi Rajasekaran, MD
Assistant Professor
University of Pittsburgh Medical Center
Department of Neurology
Pittsburgh, Pennsylvania
Program schedule:

Thursday, February 13, 2020

8:00 - 8:05 am  Introduction to EEG Course  
Joanna Fong-Isariyawongse, MD

8:05 - 8:45 am  Neurophysiology and Basis of EEG  
Niravkumar Barot, MD

8:45 - 9:30 am  Normal EEG  
Joanna Fong-Isariyawongse, MD

9:30 - 10:15 am  Benign EEG Variants and Artifacts  
Niravkumar Barot, MD

10:15 - 10:30 am  Break

10:30 - 11:15 am  Nonepileptiform EEG Abnormalities  
Vijayalakshmi Rajasekaran, MD

11:15 am - 12:00 pm  Interictal Epileptiform EEG Patterns  
Vijayalakshmi Rajasekaran, MD

12:00 - 1:00 pm  Lunch

1:00-1:45 pm  Common Ictal Pattern  
Niravkumar Barot, MD

1:45 - 2:15 pm  ACNS Standardized ICU EEG Nomenclatures  
Alexandra Urban, MD

2:15 - 3:00 pm  Quantitative EEG Analysis  
Mark Scheuer, MD

3:00-3:15 pm  Break

3:15 - 4:00 pm  Brain Death, Post-Anoxic, and Comatose EEG  
Joanna Fong-Isariyawongse, MD

4:00 - 5:00 pm  EEG Findings in Pediatric Epilepsy  
Luis Fernandez, MD

5:00 pm  Adjournment
Friday, February 14, 2020

8:00 - 8:45 am  **Introduction to Epilepsy**
Anto Bagić, MD, PhD, FAES, FACNS

8:45 - 9:30 am  **Classification of Seizures and Epilepsies**
Joanna Fong-Isariyawongse, MD

9:30 - 10:15 am  **Semiology, Lateralizing and Localizing Signs of Seizures**
Alexandra Urban, MD

10:15 - 10:30 am  Break

10:30 - 11:15 am  **Management of Epilepsy – AEDs Part 1**
James Castellano, MD, PhD

11:15 am - 12:00 pm  **Management of Epilepsy – AEDs Part 2**
James Castellano, MD, PhD

12:00 - 1:00 pm  Lunch

1:00 - 1:45 pm  **Neuroimaging in Epilepsy Surgical Evaluation**
Joseph Mettenburg, MD, PhD

1:45 - 2:30 pm  **Mimicker’s of Epilepsy and Psychogenic Nonepileptic Seizures**
Anto Bagić, MD, PhD, FAES, FACNS 4:00 pm

2:30 - 2:45 pm  Break

2:45 - 3:45 pm  **Psychiatry and Epilepsy**
Daniel Fishman, MD

3:45 pm  Adjournment

Saturday, February 15, 2020

8:00 - 8:45 am  **Intracranial EEG**
Niravkumar Barot, MD

8:45 - 9:45 am  **Pre-Surgical Evaluation and Treatment Options of Epilepsy**
James Castellano, MD, PhD

9:45 - 10:45 am  **Human Brain Mapping Based on Electrocorticography**
Rafeed Alkawadri, MD

10:45 - 11:00 am  Break

11:00 am-12:15 pm  **From PMC to the Operating Room**
Jorge Gonzalez-Martinez, MD, PhD FAANS

12:15 pm  Adjournment
Required Statements:

Continuing Education Credit

In support of improving patient care, the University of Pittsburgh is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME) and the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

The University of Pittsburgh School of Medicine designates this live activity for a maximum of 17.75 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The University of Pittsburgh has been authorized by the American Academy of PAs (AAPA) to award AAPA Category 1 CME credit for activities planned in accordance with AAPA CME Criteria. This activity is designated for 17.75 AAPA Category 1 CME credits. PAs should only claim credit commensurate with the extent of their participation.

This educational activity is approved for accredited 17.5 credits for EEG technologists.

Other health care professionals will receive a certificate of attendance confirming the number of contact hours commensurate with the extent of participation in this activity.

Disclaimer Statement:

The information presented at this CME program represents the views and opinions of the individual presenters, and does not constitute the opinion or endorsement of, or promotion by, the UPMC Center for Continuing Education in the Health Sciences, UPMC / University of Pittsburgh Medical Center or Affiliates and University of Pittsburgh School of Medicine. Reasonable efforts have been taken intending for educational subject matter to be presented in a balanced, unbiased fashion and in compliance with regulatory requirements. However, each program attendee must always use his/her own personal and professional judgment when considering further application of this information, particularly as it may relate to patient diagnostic or treatment decisions including, without limitation, FDA-approved uses and any off-label uses.

Faculty Disclosure:

All individuals in a position to control the content of this education activity including members of the planning committee, speakers, presenters, authors, and/or content reviewers have disclosed all relevant financial relationships with any entity producing, marketing, re-selling, or distributing health care goods or services, used on, or consumed by, patients.

The following relevant financial relationships were disclosed:

Mark Scheuer, MD is a stockholder for Persyst Development Corporation (ESOP retirement program) and is Full-time employee of Persyst Development Corporation (Chief Medical Officer).

No other planners, members of the planning committee, speakers, presenters, authors, content reviewers and/or anyone else in a position to control the content of this education activity have relevant financial relationships to disclose.