DIRECTOR
Joseph I. Sirven, MD, FAAN  Scottsdale, AZ

PROGRAM DESCRIPTION
With a large armamentarium of diagnostic tools and therapeutic options that span 28 drugs, multiple surgeries, diet, devices, and psychosocial treatments, the diagnosis and management of seizures and epilepsy has evolved to a complex set of clinical decisions. These choices hold important ramifications for the patient with seizures, epilepsy, or a seizure emergency.

This course helps to distill the essence of the fundamental clinical decisions that are made with patients with acute seizures and epilepsy. Through a series of case presentations, the faculty will present and show the latest clinical algorithms pertaining to important clinical consultations in the field including: diagnosis of seizures and epilepsy; when to start an antiseizure drug and how to choose among several different compounds; when to diagnose a patient as drug resistant with consideration for surgical management or devices and/or diet; and how to best handle seizure emergencies and status epilepticus.

LEARNING OBJECTIVES
Upon completion, participants should be able to present algorithms on the best approach to manage the following common yet vexing clinical seizure and epilepsy problems:

- Diagnosing a seizure and epilepsy
- Choosing the best seizure drug and how to titrate and monitor therapy for best results
- Diagnosing and treating drug resistant epilepsy—what to do
- Diagnosing and treating seizure emergencies

RECOMMENDED AUDIENCE
Neurologists, Epileptologists

CORE COMPETENCIES
Practice-based Learning and Improvement

SCHEDULE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>8:00</td>
<td>Introduction</td>
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<tr>
<td>8:05</td>
<td>Algorithms in Diagnosing Spells as Seizures and Epilepsy</td>
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<tr>
<td>8:50</td>
<td>Algorithms in Managing Epilepsy: AEDs: Choosing, Titrating, Monitoring, and Withdrawal</td>
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<td>9:30</td>
<td>Break</td>
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<tr>
<td>9:40</td>
<td>Algorithm in Treating Patients with Drug Resistant Epilepsy: Lesional and Nonlesional</td>
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RECOMMENDED COMPANION COURSE
Integrated Neuroscience Session: Breakthroughs in Epilepsy: New Insights for Causes and Treatments
Integrated Neuroscience Session: Breakthroughs in Epilepsy: New Insights for Causes and Treatments

DIRECTOR
Edward H. Bertram, MD
Charlottesville, VA

PROGRAM DESCRIPTION
There have been a number of scientific and technical advances in the last decades that have altered our understanding of the causes of epilepsy and, as a result, our diagnostic and therapeutic approaches. In this session, faculty will examine three areas in which breakthroughs have had clear impact on diagnosing the epilepsies and developing more specific and effective therapy. These three areas are 1) the recognition of the role that autoimmunity plays in a number of types of epilepsy as well as in some cases of status epilepticus, 2) the revolution in neuroimaging that has revealed many unrecognized causes of intractable epilepsy and has made surgery possible for many more people with intractable epilepsy, and 3) the introduction of the different forms of brain stimulation that may provide new therapeutic options for people with intractable epilepsy. Faculty also will review the key laboratory discoveries that made these breakthroughs possible.

LEARNING OBJECTIVES
Upon completion, participants should be able to learn to recognize and diagnose when seizures result from autoimmunity and how to direct therapy; understand how new imaging technologies alter the approach to treating patients with epilepsy; determine if and when brain stimulation is appropriate for a patient with epilepsy; and understand key scientific breakthroughs that led to these advances.

RECOMMENDED AUDIENCE
Neurologists, Neurosurgeons, Trainees, and General Practitioners with an Interest in Epilepsy

SCHEDULE
1:00 Autoimmunity in Epilepsy and Status Epilepticus
Jeffrey W. Britton, MD
Rochester, MN

1:55 Epilepsy in the New World of Neuroimaging
William D. Gaillard, MD
Washington, DC

2:50 Break

3:05 Brain Stimulation: The New Frontier in Epilepsy Treatment
Andrew J. Cole, MD, FRCP(C)
Boston, MA

Integrated Neuroscience Session: Breakthroughs in Epilepsy: New Insights for Causes and Treatments

3 CME
Friday, January 23
1:00 p.m.–4:00 p.m.