

**Scientific Program**

**Clinical Advances in Neurology and Neuroscience**

**43rd Annual Meeting  
Southern Clinical Neurological Society**

**Palm Beach Marriott Singer Island Beach Resort & Spa  
Riviera Beach, Florida  
January 16-21, 2016**

**Program Chairs:  
Howard Kirshner, M.D.  
Bassel Abou-Khalil, M.D.**

**Saturday, January 16, 2016**

**7pm- Welcome Reception**

**Sunday, January 17, 2016**

**Epilepsy**

Moderators: Eugene Ramsay, M.D. and Bassel Abou-Khalil, M.D.

**8:00-8:05 AM Welcome and Introduction**

**8:05-8:40 AM News You Can Use: Management of a First Seizure**  
- Greg Bergey, M.D.

***Learning objectives:***

- *Review Population Studies of First Seizures*
- *Review AAN evidence-based guidelines for first seizure*
- *Discuss management of the first seizure*

**8:40-9:15 AM New AEDs and AEDs on the horizon**  
- Richard Mattson, M.D.

***Learning objectives:***

- *Update on the newest AEDs.*
- *Discuss the place of the newest AEDs in epilepsy therapy*
- *Review AEDs on the horizon*

**9:15-9:50 AM Combining AEDs in drug-resistant epilepsy**  
- Bassel Abou-Khalil, M.D.

***Learning objectives:***

- *Review indications for alternative monotherapy versus adjunctive therapy*
- *Discuss AED pharmacokinetic and pharmacodynamics interactions*
- *Explore the evidence for rational AED combinations*

**9:50-10:05 AM**      **Questions and Answers**

**10:05-10:20 AM**      **Coffee Break**

**10:20-10:55 AM**      **Mechanisms of epileptic encephalopathies**

- Robert Macdonald, M.D., Ph.D.

***Learning objectives:***

- *Review recent developments on the genetics of epileptic encephalopathies*
- *Explore mechanisms of epileptic encephalopathies in animal models of Dravet syndrome, Lennox Gastaut syndrome and West syndrome*
- *Discuss potential therapeutic approaches to epileptic encephalopathies*

**10:55-11:30 AM**      •      **MRI-Guided-Laser Ablation of Mesial Temporal Structures: Can it replace antero-temporal lobectomies?**

- Andres Kanner, M.D.

***Learning objectives:***

- *Learn the advantages and limitations of this surgical procedure*
- *Recognize the psychiatric and neuropsychological complications of this procedure*
- *Be able to select which patients may benefit from each surgical procedure.*

**11:30 AM- 12:05 PM**      **Update on treatment of status epilepticus**

- Eugene Ramsay, M.D.

***Learning objectives:***

- *Review new data on status epilepticus*
- *Outline new treatment recommendations for status epilepticus*
- *Discuss outcome of status epilepticus*

**12:05-12:20 PM**      **Questions and Answers**

**12:20-5:00 PM**      **Free Time**

**5:00-6:30 PM**      **Meet the Professor:**

- Eugene Ramsay, M.D.

**6:30PM-**      **Dinner on your own**

**Monday January 18, 2016**

**Stroke**

Moderators: Howard Kirshner, M.D., and Philip Gorelick, M.D.

**8:00-8:40 AM**

**Stroke Prevention Update**

- Richard Zweifler, M.D.

***Learning objectives:***

- *Know the principal risk factors for stroke*
- *Understand strategies for risk reduction*
- *Know how to order specific primary and secondary stroke prevention management*

**8:40-9:20 AM**  
**monitoring**

**Embollic Stroke of Unknown Source and use of cardiac**

- Phil Gorelick, M.D.

***Learning objectives:***

- *Become familiar with the evaluation for a stroke patient to determine the etiology*
- *Understand recent evidence for longer heart rhythm monitoring*
- *know the evidence regarding treatment of “embolic stroke of unknown source”*

**9:20-10:00 AM**

**Acute Stroke Treatment**

- Howard Kirshner, M.D.

***Learning objectives:***

- *Become familiar with the new evidence regarding interventional acute stroke treatment*
- *Know how to order and interpret imaging for potential patients for acute stroke treatment*
- *Know how to make decisions regarding which patients might benefit from acute interventional stroke treatment*

**10:00-10:15AM**

**Questions and Answers**

**10:15-10:30 AM**

**Coffee Break**

**10:30-11:10 AM**

**Common Office Medications and Stroke Risk**

- Phil Gorelick, M.D.

***Learning objectives:***

- *In relation to select medications prescribed in the office, learners will be able to discuss the risks for stroke associated with:*
  1. *Non-steroidal anti-inflammatory drugs*
  2. *Antidepressants*
  3. *Vitamin E*

4. *Hormone replacement therapy in women and men*
5. *Statins*
6. *Others*

**11:10 -11:50 PM      Carotid endarterectomy and stenting**  
- Howard Kirshner, M.D.

***Learning objectives:***

- *Know the evidence basis for carotid surgery in stroke*
- *Know the evidence regarding carotid stenting*
- *Understand the upcoming CREST2 study*

**11:50-12:05 PM      Questions and Answers**

**12:05-5:00 PM      Free Time**

**5:00-6:30 PM      Meet the Professor: Richard Zweifler, M.D.**

**6:30-7:00 PM      Drinks**

**7:00-10:00 PM      Banquet Dinner- Ballroom**

**Tuesday January 19, 2016**

**Dementia and Movement Disorders**

Moderators: Patrick Griffith, M.D. and Howard Kirshner, MD

**8:00-8:45 AM            Clinical and Physiological Insights into Conscious Awareness**  
- Kimford Meador, M.D.

***Learning objectives:***

- *Understand the roles of the left and right brain in conscious mechanisms*
- *Understand time window in which conscious perception occurs*
- *Understand potential neural structures and mechanisms underlying conscious awareness*

**8:45-9:30 AM            Teleneurology: the future is now**  
- David Houghton, M.D.

***Learning Objectives:***

- *Understand the role of telemedicine in neurology*
- *Explore outcomes data supporting its current use*
- *Discuss future applications of teleneurology*

**9:30-10:15 AM            Phenotypic differences in identical twins with an X-chromosome mutation which causes neurodegeneration with brain iron accumulation (NBIA).**

- Sami Harik, M.D.

***Learning Objectives:***

- *Discuss a newly discovered X-chromosome WDR45 mutation associated with neurodegeneration with brain iron accumulation (NBIA).*
- *Explore the causes of phenotypic differences in affected identical twins*
- *Review genetic and environmental principles that determine differences between identical twins.*

**10:15- 10:30 AM            Questions and Answers**

**10:30-10:45 AM            Coffee Break**

**10:45-11:30 AM            Multisystem atrophy**

- Daniel Claassen, M.D.

***Learning Objectives:***

- *Distinguish between central and peripheral norepinephrine dysfunction in alpha-synuclein disorders*
- *Review clinical presentation of neurogenic orthostatic hypotension and MSA*
- *Discuss therapies for autonomic symptoms related to alpha-synuclein*

**11:30-12:15 AM Primary Paroxysmal Dyskinesias: Update on the Influence of Genetics in Defining Types and Classification**

- Robert Egel, M.D.

***Learning Objectives:***

- *Learn the standard descriptions and typing of primary Paroxysmal Dyskinesias (PD)*
- *Learn new information regarding genetics of primary PD*
- *Be aware of a new classification of Primary PD*

**12:15- 12:30 PM Questions and Answers**

**12:30- 5:00 PM Free Time**

**5:00-6:30 PM Meet the Professor: Barry Arnason**

**6:30PM- Dinner on your own**

**Wednesday January 20, 2016**

**Neuroimmunology and Neuromuscular Disorders**

Moderators: Barry Arnason, M.D. and Howard Kirshner, M.D.

**8:00-8:45 AM “Neuropathic and other pains in Multiple sclerosis”**

- Barry Arnason, M.D.

***Learning Objectives:***

- *Learn how to recognize neuropathic pain.*
- *Review mechanisms responsible for neuropathic pain*
- *Discuss management of neuropathic pain.*

**8:45-9:30 AM What is new in neuromuscular disease?**

- SH Subramony, M.D.

***Learning Objectives:***

- *Review selected current issues in neuromuscular diseases with a view to practical applications now or in the near future*
- *Review new information in statin related disease and inflammatory myopathies*
- *Assess current status of selected neuropathies*
- *Learn new developments in genetic therapies*

**9:30-10:10 AM Sleep Disorders in Multiple Sclerosis.**

- David Brandes, M.D.

***Learning Objectives:***

- *Define the types and causes of tiredness in MS patients.*
- *Review the effects of Sleep disorders on MS patients.*
- *Explore how lesions in the brain due to MS can cause sleep disorders*

**10:10-10:20 AM Questions and Answers**

**10:20-10:30 AM Coffee Break**

**10:30-11:15 AM Update on PML and current MS treatment, and risk mitigation**

- Elizabeth Minto, M.D.

***Learning Objectives:***

- *Review basic immunology with regard to the current understanding of the pathophysiology of MS*
- *Review the pathophysiology of JC virus and the clinical syndrome of PML*

- *Discuss current understandings of the mechanism of the development of PML in the setting of current MS treatments, and to review management strategies, including management of PML-IRIS*

**11:15 AM - 12:00 PM      Critical care myopathy and neuropathy**  
 -      Bassam Bassam, M.D.

***Learning Objectives:***

- *Learn the clinical, diagnostic and pathological features of Critical Illness Polyneuropathy (CIP) and Myopathy (CIM)*
- *Understand that high dose steroids and NMJB agents are the predominant factor in CIM, were as SIRS and MODS in CIP*
- *Learn the preventive measurements, and management of neuromuscular weakness in the ICU*

**12:00 to 12:15 PM      Questions and Answers**

**12:15-1:00 PM      Lunch**

**1:00 PM- 5:00 pm Injections for Headache Care - All Headaches Considered**

**Faculty: Robert Cowan, Jack Schim, Alan Rapoport**

**1:00-1:40 PM diagnosis and treatment of chronic migraine by Alan Rapoport**

**1:40-2:20 PM injections for treating various headache disorders by Jack Schim**

**2:20-3:00 PM onabotulinumtoxin A injections for treating chronic migraine by Rob Cowan**

**3:00-3:30 PM coffee break and questions**

**3:30-4:00 PM hands on workshop and teaching of injection techniques for various headache disorders-The Faculty**

**4:00-4:30 PM hands on workshop and teaching of injection techniques for onabotulinum toxin A for chronic migraine – The Faculty**

**4:30-4:45 PM questions**

**5:00-6:30 PM      Meet the Professor: Alan Rapoport, M.D.**

**6:30PM-      Dinner on your own**



**Thursday January 21, 2016**

**Headache and Sleep**

Moderator: Alan Rapoport, M.D.

**8:00-8:45 AM      CGRP- pathophysiology and treatment for headache**  
- Alan Rapoport, M.D.

***Learning Objectives:***

- *Understand the pathophysiology of migraine with special reference to CGRP*
- *Know the difference between small molecule CGRP receptor antagonists and monoclonal antibodies (MAB) to CGRP*
- *Understand how MAB to CGRP will be used and the difference between the 4 types*

**8:45-9:30 AM      Cowan: How technology will change Headache Diagnosis and Treatment**  
- Robert Cowan, M.D.

***Learning Objectives:***

- *Identify the obstacles to providing optimum treatment to headache patients*
- *Understand ways in which current technology can improve diagnosis and management of chronic disease*
- *Explore a model for IT-assisted headache diagnosis and treatment monitoring in a general neurology practice.*

**9:30-9:45 AM      Questions and Answers**

**9:45-10:00 AM      Coffee Break**

**10:00-10:45 AM      Injections for headache, Botox and Beyond**  
- Jack Schim, M.D.

***Learning Objectives:***

- *To be familiar with the utility of nerve blocks and trigger point injections in headache care*
- *To be aware of appropriate headache types for Botox treatment.*
- *To be knowledgeable regarding key injection technique issues*

**10:45-11:30 AM      Obstructive Sleep Apnea 2016: An Update**

- Brian Smith, M.D.

***Learning Objectives:***

- *Understand the general pathophysiology of obstructive sleep apnea*
- *Understand comorbid conditions, especially neurological, associated with untreated sleep apnea*
- *Be aware of current treatment options with obstructive sleep apnea*

**11:30 AM-11:45 AM Questions and Answers.**

**See you in Singer Island, January 2017**