Scientific Program
Clinical Advances in Neurology and Neuroscience

41st Annual Meeting
Southern Clinical Neurological Society

Palm Beach Marriott Singer Island Beach Resort & Spa
Riviera Beach, Florida
January 18th-23th, 2014

Program Chair:
Bassel Abou-Khalil, M.D.

Saturday, January 18, 2014
7:00-9:30 PM Welcome reception- pool area

Sunday, January 19, 2014

Epilepsy
Moderators: Bassel Abou-Khalil, M.D. and Basim Uthman, M.D.

8:00-8:05 AM Welcome and Introduction
- Bassel Abou-Khalil, M.D.

8:05-8:35 AM Pediatric Epilepsy; what's new?
- Jack Pellock, M.D.

Learning objectives:
- Review developments in pediatric epilepsy diagnosis.
- Review developments in pediatric epilepsy management.
- Discuss promising ongoing research in pediatric epilepsy.

8:35-9:05 AM News you can use in epilepsy- 2014
- Greg Bergey, M.D.

Learning objectives:
- Review new developments in the diagnosis of epilepsy
- Review editorials and critiques of hot epilepsy topics published in 2013
- Discuss some controversial issues in the treatment of epilepsy
9:05-9:35 AM  Autoimmune epilepsies
- Robert Macdonald, M.D., Ph.D.

**Learning objectives:**
- Review epilepsy conditions believed to be autoimmune in origin
- Review pathophysiology of autoimmune epilepsies
- Review evaluation and management of autoimmune epilepsies

9:35-10:05 AM  Newest and Imminent Antiepileptic Drugs
- Richard Mattson, M.D.

**Learning objectives:**
- Review the clinical pharmacology of the newest and imminent AEDs (eslicarbazepine, lacosamide, clobazam, ezogabine, perampanel)
- Review the place of the newest and imminent AEDs in the treatment of epilepsy
- Review the mode of use of the newest and imminent AEDs

10:05-10:20 AM  Questions and Answers

10:20-10:35 AM  Coffee Break

10:35-11:05 AM  Treating status epilepticus in the ICU- Thinking outside the box
- Eugene Ramsay, M.D.

**Learning objectives:**
- Define the scope of status epilepticus in the ICU
- Outline the pathophysiology of acute versus chronic status epilepticus in the ICU
- Discuss results of different treatment options for status epilepticus in the ICU

11:05-11:35 AM  The impact of psychiatric comorbidities on the response of seizure disorders to treatment
- Andres Kanner, M.D.

**Learning objectives:**
• Become aware of the bidirectional relation between psychiatric disorders and epilepsy.
• Learn about the negative impact that a history of depression and anxiety has on the pharmacologic and surgical treatment of the seizure disorder.
• Become aware of the effect that depression and anxiety have on the tolerance of antiepileptic drugs.

11:35 AM-12:05 PM    Treatment of acute repetitive seizures
                      - Bassel Abou-Khalil, M.D.

Learning objectives:
• Review current treatment options for acute repetitive seizures
• Review controlled trials for acute repetitive seizures
• Review advantages and disadvantages of various treatment options for acute repetitive seizures

12:05-12:20 PM    Questions and Answers

12:20-5:00 PM    Free Time

5:00-6:30 PM    Meet the Professor:
                      - Greg Bergey, M.D.

6:30PM-    Dinner on your own
8:00-8:40 AM   Update on Stroke Prevention  
- Phil Gorelick, M.D.

Learning objectives:
- review guidelines for stroke prevention and management
- discuss changes in management
- provide suggestions as to practical applications of the guidelines in stroke care

8:40-9:20 AM   Acute Stroke Treatment  
- Howard Kirshner, M.D.

Learning objectives:
- Review the evidence for efficacy of acute stroke treatment
- Learn when should interventional treatment be considered
- Discuss patients in whom intervention will likely be futile, even within a 6 or 8 hour time window

9:20-10:00 AM   New paradigm linking cardiovascular and non cardiovascular disorders- From bench to bedside  
- Hisham Baalbaki, M.D.

Learning objectives:
- Establish association between cardiovascular (CV) and non CV diseases
- Review pathophysiologic mechanisms underlying the above association
- Discuss clinical/practice implications

10:00-10:15 AM   Questions and Answers

10:15-10:30 AM   Coffee Break

10:30-11:00 AM   Post-stroke seizures  
- Basim Uthman, M.D.

Learning objectives:
- Review risk factors for seizures and epilepsy after stroke
- Discuss utility of EEG in post-stroke seizures
- Discuss antiepileptic drug treatment of post-stroke seizures

11:00-11:40 AM  Reversible cerebral vasoconstriction syndrome (RCVS)  
- Howard Kirshner, M.D.

Learning objectives:
- Review the key features of RCVS
- Review how RCVS can be treated
- Review previously named conditions that are likely within the spectrum of RCVS

11:40 AM-12:20 PM  Vascular Cognitive Impairment: New Insights  
- Phil Gorelick, M.D.

Learning objectives:
- Review new findings on the pathogenesis of vascular cognitive impairment
- Review diagnostic criteria for vascular cognitive impairment
- Discuss management of vascular cognitive impairment

12:20-12:35 PM  Questions and Answers

12:35-5:00 PM  Free Time

5:00-6:30 PM  Meet the Professor: Phil Gorelick, M.D.

6:30-7:00 PM  Drinks and poster presentation

7:00-10:00 PM  Banquet Dinner- Ballroom
8:00-8:45 AM  Prion diseases
- Michael Geschwind, M.D., Ph.D.

Learning objectives:
- Review prion disease and their key clinical features
- Review the diagnostic evaluation of CJD
- Discuss current management and recent trials for CJD

8:45-9:15 AM  Concussion in the military
- Patrick Griffith, M.D.

Learning Objectives:
- Review the pathophysiology of military concussion
- Discuss the diagnosis and grading of military concussion
- Review management of military concussion

9:15-9:45 AM  Concussion in athletes
- Paul Bertrand, M.D.

Learning Objectives:
- Review the pathophysiology of concussion in athletes
- Discuss the diagnosis and management of concussion in athletes
- Review guidelines of AAN and 2012 Zurich international convention of concussion in sports

9:45- 10:00 AM  Questions and Answers

10:00-10:15 AM  Coffee Break

10:15-10:45 AM  DBS for earlier stage Parkinson’s Disease (PD)
- David Charles, M.D.

Learning Objectives:
- Discuss new data on results of deep brain stimulation for early Parkinson’s Disease (PD)
- Review management of early PD in view of new research findings
- Review the place of deep brain stimulation in PD therapy algorithm

10:45-11:30 AM  Treatable dementia
- Michael Geschwind, M.D., Ph.D.

**Learning Objectives:**
- Review treatable dementias and their clinical features
- Discuss diagnostic evaluation for identification of treatable dementias
- Discuss management of treatable dementias

11:30 AM-12:15 PM  Premotor signs and non motor fluctuations in PD
- David Charles, M.D.

**Learning Objectives:**
- Recognize the pre-motor signs of Parkinson’s disease
- Review non-motor fluctuations in Parkinson’s disease.
- Review management of non-motor fluctuations in Parkinson’s disease

12:15- 12:30 PM  Questions and Answers

12:30- 5:00 PM  Free Time

5:00-6:30 PM  Meet the Professor: Michael Geschwind, M.D., Ph.D.

6:30PM- Dinner on your own

**Extra-SCNS program**
12:30- 2:30 PM  Improving management strategies for patients with multiple sclerosis- Daniel Kantor, M.D.
Box lunches provided

**Extra-SCNS program**
1-7 PM  chronic migraine and injection techniques-

**Diagnosis and Classification of Headache Disorders- Dr Morris Levin (30 min with 10 min Q and A following)**

**Primary Headache Disorders – Diagnostic and management issues- Dr Rob Cowan (60 min with 15 min Q and A following)**
Chronic Migraine – Diagnosis and Treatment- Dr Alan Rapoport (60 min with 15 min Q and A)

Botulinum toxin – background and use in Chronic Migraine- Dr Rob Cowan (30 min with 10 min Q and A following)

Injection techniques for Migraine – Nerve blocks, trigger point injections and Botulinum toxin- Dr Morris Levin (60 min with 15 min Q and A following)

Hands-on Teaching Session – Botox injections for Chronic Migraine
All faculty (60 min)
Total time = 6 hours 5 min
8:00-8:45 AM  Medication Overuse Headache  

- Alan Rapoport, M.D.

Learning Objectives:
- Review the clinical features of medication overuse headache (MOH).
- Explore the epidemiology, pathophysiology and diagnostic criteria of MOH.
- Understand principles of management of MOH.

8:45-9:30 AM  When chronic daily headache is not medication overuse headache  

- Robert Cowan, M.D.

Learning Objectives:
- Review differential diagnosis of chronic daily headache.
- Review the clinical manifestations of chronic daily headache entities other than MOH.
- Review the management of chronic daily headache.

9:30-10:15 AM  Celiac disease: effects on sleep and the nervous system  

- Brian Smith, M.D.

Learning Objectives:
- Review neurological manifestation of celiac disease.
- Review specific effects of celiac disease on sleep.
- Discuss management of neurological manifestations of celiac disease.

10:15-10:30 AM  Questions and Answers

10:30-11:00 AM  Coffee Break

11:00-11:45 AM  Chronic Daily headache Entities in the International Classification of Headache Disorders ICHD-3 Beta  

- Morris Levin, M.D.

Learning Objectives:
• Review the International Classification of Headache Disorders ICHD-3 Beta
• Discuss the chronic daily headache entities in ICHD-3 Beta
• Review new perspectives on classification of chronic daily headache

11:45 AM - 12:15 PM  Polysomnography: what it can tell us about sleep and sleep disorders
                       -  Brian Smith, M.D.

Learning Objectives:
• Review the technical aspects of polysomnography
• Review the diagnosis of various sleep disorders with polysomnography
• Review limitations of polysomnography

12:15 to 12:30 PM  Questions and Answers

12:00-5:00 PM  Free Time

5:00-6:30 PM  Meet the Professor: Barry Arnason, M.D.

6:30PM-  Dinner on your own
8:00-8:45 AM  What steroids do and do not do  
- Barry Arnason, M.D.

Learning Objectives:
- Discuss how steroids work in MS and other CNS inflammatory conditions
- Discuss what steroids can do
- Discuss what steroids do not do

8:45-9:15 AM  Brief genetics overview  
- HS Subramony, M.D.

Learning Objectives:
- Review the terminology of gene testing
- Review the impact of genetic and phenotypic heterogeneity and pros and cons of genetic testing
- Discuss the impact of technology of testing, the evolving nature of the field, and some of the ethical and legal issues that may arise

9:15-10:05 AM  Hereditary motor-sensory neuropathy- classification, diagnosis and management  
- Bassam Bassam, M.D.

Learning Objectives:
- Learn clinical aspect and classification of various CMT phenotypes & genotypes
- Review inheritance patterns & available genetic tests for CMT
- Learn a logistic diagnostic approach

10:05-10:15 AM  Questions and Answers

10:15-10:25 AM  Coffee Break

10:25-11:15 AM  Clinical approach to ataxia and where therapy research is heading
Learning Objectives:
- Review the classification of ataxias.
- Understand the clinical approach to ataxia diagnosis.
- Review advances in ataxia therapy research

11:15 AM-11:45 PM  Neurodegeneration of basal ganglia with iron accumulation
- Robert Egel, M.D.

Learning Objectives:
- Review the types and clinical manifestations of disorders with neurodegeneration and brain iron accumulation (NBIA)
- Review the genetics of NBIA
- Review the management of NBIA

11:45-12:15 PM  Update on neuromyelitis optica (NMO)
- Barry Arnason, M.D.

Learning Objectives:
- Review pathophysiology of NMO
- Understand current therapy of NMO
- Review long-term prognosis of NMO

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

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See you in Naples, January 2015