Practical Approach to Electromyography and Neuromuscular Disorders

September 25 - 27, 2015
The Colonnade Hotel, Boston, MA

Target Audience
Neurologists, physiatrists, neurosurgeons, orthopedic surgeons, internists, peripheral nerve surgeons, neuropharmacologists, physician assistants, and electrophysiologists who are interested in the field of electromyography and neuromuscular disorders.

Educational Objectives
All participants of this activity will be able to:
1. State the basic tenets of clinical and neuromuscular electrophysiology.
2. List the clinical and electrophysiologic aspects of common neuromuscular disorders.
3. Describe the technical aspects of selected peripheral nerve conduction studies and/ or needle electromyography.
4. Apply the knowledge reviewed above to the discussion of selected clinical cases.
5. Discuss the technical aspects as well as potential pitfalls of nerve conduction studies and needle electromyography, including the use of intravenous immunoglobulins and plasma exchange.
6. Discuss the clinical use of imaging in the evaluation of carpal tunnel syndrome and ulnar neuropathy.
7. Review the fundamentals of nerve conduction studies and needle electromyography and ultrasonographic evaluation of peripheral neuropathy and radiculopathy.
8. Identify the use of ultrasound in the evaluation of patients with carpal tunnel syndrome and ulnar neuropathy.
9. Describe the technical aspects of EMG, as well as the clinical uses of botulinum toxin.
10. Review the basics of the use of intravenous immunoglobulins and plasma exchange.

Accreditation
Boston University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

For University of Illinois College of Medicine- Chicago attendees, this activity is approved for 12 AMA PRA Category 1 Credits™.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held outside of Canada for canadians with additional credit. This activity is approved for 12.5 credits. All colleagues from outside should contact the RCPC for more information.

Faculty

Peter Siao, MD (Course Director)

Howard W. Sanders, MD
Associate Chair for Education
Director, Neurology Residency Program
Emory University School of Medicine

Samuel Frisholm, MD
Program Director
Neuromuscular Center
Wake Forest University

Michael Cartwright, MD
Director, Electromyography Laboratory
Mass General Hospital

Laurence Yao, MD
Assistant Professor of Neurology
University of California San Francisco

Namita Goyal, MD
Assistant Professor
University of California, Irvine

Stephen S. Kurlander, MD
Neuromuscular Center
Wake Forest University

Brian L. Kulp, MD
Professor Emeritus of Neurology
University of Massachusetts Medical School

Robert E. Zee, MD
Professor Emeritus
Emory University School of Medicine

John S. Mehta, MD
Assistant Professor of Neurology
New York University School of Medicine

Kathleen M. Fabrizio, MD
Assistant Professor of Neurology
Boston Children’s Hospital
Boston Children’s Medical Center

Disclosure Policy
All individuals involved in the development and presentation of this educational activity have disclosed all relevant financial relationships with the pharmaceutical and device companies whose products or services may be discussed in this activity. The policy of Boston University School of Medicine is to resolve any apparent conflicts of interest prior to the activity.

specialties six core competencies. this activity will increase your competency in the areas of:

• Systems Science
• Critical Thinking and Decision Making
• Clinical Knowledge
• Medical Knowledge
• Systems-Based Practice
• Patient Care

The Accreditation Council for Continuing Medical Education awards this activity 1.5 AMA PRA Category 1 Credits™.

For University of Illinois College of Medicine- Chicago attendees, this activity is approved for 1.5 credits. All colleagues from outside should contact the RCPC for more information.

Core Competencies
This activity has been developed with consideration given to the American Board of Medical Specialties (ABMS) Core Competencies. This activity will increase your competency in the areas of:

• Patient Care
• Medical Knowledge
Saturday / September 26

7:30-8:00am Registration & Continental Breakfast

8:09-9:00am Repetitive Nerve Stimulation and Single Fiber EMG
Peter Siao, MD

9:09-9:45am Approach to Polynuropathy
Peter Siao, MD

9:45-10:15am Amyotrophic Lateral Sclerosis
Janice Wiesman, MD

10:15-10:30am Coffee Break

10:30-11:30am Spinal Cord Injury: Electrophysiology of Motor Unit Action Potentials (Normal and Abnormal)
Namita Goyal, MD
Daniel L. Menkes, MD

11:15-12:30pm Chronic Inflammatory-Demyelinating Polyneuropathy
Howard W. Sander, MD

11:30-12:45pm Lunch Break (lunch buffet will be provided)

1:45-2:45pm CPT Coding Variants
Howard W. Sander, MD
Peter Siao, MD

2:45-3:15pm Clinical Uses of Botulinum Toxin
Tom H. Brannagan III, MD
Michael Cartwright, MD

3:15-4:15pm Live demonstration: Muscle Identification for Needle EMG, Needle Electrodiagnostic Examination Protocols
Thomas H. Brannagan III, MD
Michael Cartwright, MD

4:15-4:30pm Injection of Botulinum Toxin in Neurological Practice
Howard W. Sander, MD

4:30-7:00pm Ultrasound Evaluation of Carpal Tunnel Syndrome and Ulnar Neuropathy
Michael Cartwright, MD

7:30-8:00am Registration & Continental Breakfast

8:00-9:00am Introduction: Electromyography for Clinicians
Peter Siao, MD

9:00-9:45am Needle Electromyography: Evaluation of Motor Unit Action Potentials (Normal and Abnormal)
Namita Goyal, MD
Daniel L. Menkes, MD

9:45-10:15am Ulnar Neuropathy
Janice Wiesman, MD

10:15-10:30am Coffee Break

10:30-11:30am Ulnar Neuropathy
Howard W. Sander, MD

11:15-12:30pm Median and Ulnar Nerves Neuropathy
Peter Siao, MD

12:30-1:45pm Lunch Break (lunch buffet will be provided)

1:45-2:45pm Upper Extremity: Motor and Sensory Nerve Conduction Studies
Howard W. Sander, MD

2:45-3:15pm Basic Concepts of Nerve Conduction Testing
Howard W. Sander, MD

3:15-4:15pm Sensory Nerve Conduction Studies
Howard W. Sander, MD

4:15-4:30pm Median and Ulnar Nerves Neuropathy
Peter Siao, MD

4:30-7:00pm Ulnar Neuropathy
Howard W. Sander, MD