

Practical Approach to Electromyography and Neuromuscular Disorders

September 25 - 27, 2015

The Colonnade Hotel | Boston, MA



Course Director | **Peter Siao, MD**

Register today at | www.bu.edu/cme

Overview

This two-and-a-half day course will focus on the practical approach to electromyography in the diagnosis and management of neuromuscular disorders. Lectures will cover the clinical and neurophysiologic assessments of compression neuropathies, radiculopathies, plexopathies, various types of generalized neuropathies, neuromuscular junction disorders, myopathies, as well as the fundamentals of nerve conduction studies and needle electromyography and ultrasonographic evaluation of carpal tunnel syndrome and ulnar neuropathy. There will be live demonstrations to illustrate nerve conduction techniques and ultrasound evaluation of median and ulnar nerves. Emphasis will be placed on the latest treatment options for patients with various types of peripheral neuropathies.

Lecturers include five directors of Electromyography Laboratory/Clinical Neurophysiology/Neuropathy Center/ Neuromuscular Medicine/Neuromuscular fellowship training programs, a Chair of Neurology, and other faculty from prestigious medical centers (Boston University, Columbia University, New York University, Oakland University, University of California Irvine, University of Massachusetts, and Wake Forest University).

A special two-hour session on the clinical uses of botulinum toxin in the treatment of spasticity, cervical dystonia, and other movement disorders will be presented. Participants will receive an update on the assessment and treatment of patients with neuromuscular disorders so that they may enhance their clinical practice.

This course will help physicians understand the technical aspects of EMG, as well as the clinical uses and limitations of the procedure. The presentation of each topic will be both simple and practical. It will appeal to clinicians who order and read EMG reports and to those interested in performing EMG.

In post-activity evaluations of our 2014 conference, participants indicated a high level of satisfaction with the educational activity (average satisfaction rating of 4.82 out of 5) and provided many positive comments, for example:

- "Excellent conference, very organized, lectures were aimed at what we needed to know (pitfalls) more than general knowledge, which is excellent."
- "The presenters were all very approachable and willing to share their personal experiences in addition to being knowledgeable. All are very skilled as teachers. This was a great review for me and increases my confidence in performing EMGs".
- "Very well organized – excellent topics – timely."

Target Audience

Neurologists, physiatrists, neurosurgeons, orthopedic surgeons, internists, peripheral nerve surgeons, nurse practitioners, physician assistants, and electromyography technologists who are interested in the field of electromyography and neuromuscular disorders.

Educational Objectives

At the conclusion of this activity, participants will be able to:

1. State the basic tenets of clinical and neurophysiologic diagnosis.
2. List the clinical and neurophysiologic aspects of common neuromuscular disorders.
3. Describe the technical aspects as well as potential pitfalls of nerve conduction studies and needle electromyography.
4. Determine the current diagnostic and therapeutic approaches in polyneuropathy, including the use of intravenous immunoglobulins and plasma exchange.
5. Discuss the use of ultrasound in the evaluation of patients with carpal tunnel syndrome and ulnar neuropathy.
6. Discuss the clinical uses of botulinum toxin.
7. Apply the knowledge reviewed above to the discussion of selected clinical cases.

Faculty

Thomas H. Brannagan III, MD
Professor of Neurology
Director, Peripheral Neuropathy Center
Columbia University, College of Physicians and Surgeons
Co-director, Electromyography Lab
New York-Presbyterian Hospital

Michael Cartwright, MD, MS
Associate Professor of Neurology
Wake Forest School of Medicine

Samuel Frank, MD
Beth Israel Deaconess Medical Center and
Harvard Medical School

Namita Goyal, MD
Associate Professor of Neurology
University of California, Irvine
Associate Director, UC Irvine-MDA ALS and
Neuromuscular Center
Director, Neuromuscular Diagnostic Laboratory
Director, Neuromuscular Medicine Fellowship

Daniel L. Menkes, MD
Professor and Chairman of Neurology
Oakland University William Beaumont School of Medicine
System Chair of Neurology, Beaumont Health System

Johnny Salameh, MD, FANA
Program Director, Neurology Residency
Director, Neuromuscular Division and
EMG Laboratory
Associate Professor of Clinical Neurology
Department of Neurology
UMass Memorial Medical Center –
University Campus

Howard W. Sander, MD
Professor of Neurology
Associate Chair for Education
Director, Division of Neuromuscular Medicine
Program Director, Neurology Residency
NYU School of Medicine

Peter Siao, MD (Course Director)
Director, Neuromuscular Unit and
Electromyography Laboratory
Associate Professor of Neurology
Boston University School of Medicine

Janice Wiesman, MD
Associate Clinical Professor of Neurology
New York University School of Medicine
Bellevue Hospital
Adjunct Assistant Professor of Neurology
Boston University School of Medicine
Boston Medical Center

Disclosure Policy

Boston University School of Medicine asks all individuals involved in the development and presentation of Continuing Medical Education (CME) activities to disclose all relationships with commercial interests. This information is disclosed to CME activity participants. Boston University School of Medicine has procedures to resolve any apparent conflicts of interest. In addition, faculty members are asked to disclose when any unapproved use of pharmaceuticals and devices is being discussed.

Accreditation

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

Boston University School of Medicine designates this live activity for a maximum of **22.50 AMA PRA Category 1 Credits™**. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

The Royal College of Physicians and Surgeons of Canada recognizes conferences and workshops held out of Canada that are developed by a university, academy, hospital, specialty society or college as accredited group learning activities.

APA accepts certificates of participation for educational activities certified for **AMA PRA Category 1 Credits™** from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 22.50 hours of Category I credit for completing this program.

Core Competencies

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

- Patient Care
- Medical Knowledge

