





POST ASE



Course Director | Peter Siao, MD

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Boston University School of Medicine Continuing Medical Education

and Neuromuscular Disorders

Practical Approach to

Electromyography



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 the rapeutic 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 neur<mark>opa</mark>thy.
- 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-Presybyterian 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 CreditsTM. 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

MEDIAN

Friday Se	ptember 25		
7:30-8:00am	Registration & Continental Breakfast		
8:00-8:20am	Introduction: Electromyography for Clinicians Peter Siao, MD		
8:20-9:30am	Motor Nerve Conduction Studies Peter Siao, MD		
9:30-10:15am	Sensory Nerve Conduction Studies Janice Wiesman, MD		
10:15-10:30am	Coffee Break		
10:30-11:15am	Needle Electromyography: Spontaneous Activities Namita Goyal, MD		
11:15-12:30pm	Needle Electromyography: Evaluation of Motor Unit Action Potentials (Normal and Abnormal) Peter Siao, MD		
12:30-1:45pm	Lunch Break (lunch buffet will be provided)		
1:45-2:45pm	Approach to Carpal Tunnel Syndrome Peter Siao, MD		
2:45-3:45pm	Approach to Ulnar, Radial, Peroneal Neuropathy, and Tarsal Tunnel Syndrome Johnny Salameh, MD		
3:45-4:00pm	Coffee Break		
4:00-5:00pm	Cervical Radiculopathy, Brachial Plexopathy, Neuralgic Amyotrophy, Neurogenic Thoracic Outlet Syndrome Peter Siao, MD		
5:00-6:00pm	<i>Lumbosacral Radiculopathy and Plexopathy</i> Johnny Salameh, MD		
6:00-7:00pm	Approach to Myopathy Namita Goyal, MD		



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Saturday	September 26	5	
7:30-8:00am	Registration & Continental Breakfast		
8:00-9:00am	Repetitive Nerve Stimulation and Single Fiber EMG Peter Siao, MD		
9:00-9:45am	Approach to Polyneuropathy Peter Siao, MD	9	
9:45-10:15am	Amyloid Neuropathy Janice Wiesman, MD	1	
10:15-10:30am	Coffee Break	1	
10:30-11:30am	Guillain-Barre Syndrome Daniel L. Menkes, MD		
11:30-12:30pm	Chronic Inflammatory Demyelinating Polyradiculoneuropathy Howard W. Sander, MD		
12:30-1:45pm	Lunch Break (lunch buffet will be provided)		
1:45-2:45pm	CIDP Variants Thomas H. Brannagan III, MD		
2:45-3:15pm	CPT Coding for EMG Daniel L. Menkes, MD	т	
3:15-4:15pm	Ultrasonographic Evaluation of Carpal Tunnel Syndrome and Ulnar Neuropathy Michael Cartwright, MD	R A a S	
4:15-4:30pm	Coffee Break	c c	
4:30-7:00pm	Nerve Conduction Studies (median, ulnar, tibial, peroneal,		
	sural, superficial peroneal, lateral femoral cutaneous, dorsal ulnar cutaneous, medial antebrachial, lateral antebrachial,	S	
		Т	
	blink reflex, phrenic, repetitive nerve stimulation studies of	le	
	facial, spinal accessory, ulnar), Ultrasound evaluation of median and ulnar nerves.	le re re	
	facial, spinal accessory, ulnar), Ultrasound evaluation of median and ulnar nerves. Thomas H. Brannagan III, MD, Michael Cartwright, MD,	ro ro S	
	facial, spinal accessory, ulnar), Ultrasound evaluation of median and ulnar nerves.	re re	

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Sunday | September 27

:30-8:00am	Registration & Continental Breakfast		
:00-9:00am	Clinical Uses of Botulinum Toxin Samuel Frank, MD		
:00-10:00am	Botulinum Toxin Injection in the Treatment of Spasticity, Cervical Dystonia, and Other Movement Disorders Samuel Frank, MD		
0:00-10:15am	Coffee Break		
0:15-12:15am	<i>EMG Case Discussions</i> Thomas H. Brannagan III, Namita Goyal, MD, Daniel L. Menkes, MD, Johnny Salameh, MD, Howard Sander, MD, Peter Siao, MD, Janice Wiesman, MD		
2:15-12:30pm	Evaluation and Closing Remarks		

Hotel and Reservations

The Colonnade Hotel | 120 Huntington Ave | Boston, MA 02115 | 617.424.7000

Reservations:

A block of rooms has been reserved at the special rate of \$279/night, single or double, plus applicable taxes. The room block will be held until **September 3, 2015** or until it is full. **Space is limited and is subject to availability**. You may make reservations online or by calling (617) 424-7000 or 1-800-962-3030. Mention you are with the BU School of Medicine conference to receive the special conference rate.

Guests may use this link to make their reservations online: http://goo.gl/BKzXf1

Special Services & Dietary Needs

To request reasonable accommodations for disabilities, please notify the CME office, in writing, at least two weeks prior to the start of the conference. The CME office will work to accommodate dietary requests (including, but not limited to: vegetarian, kosher, low cholesterol, and low-sodium meals) received, in writing, at least two weeks prior to the start of the conference.

Substitution/Cancellation Policy

Substitutions may be made at any time without an additional charge. Refunds, less an administrative fee of \$75, will be issued for all cancellations received two weeks prior to the start of the conference. Should cancellation occur within the two-week window, a credit will be issued, not a refund. Credits will be honored for up to two years. "No shows" are subject to the full course fee. Cancellations/ substitution(s) must be made in writing. Refunds or credits will not be issued once the conference has started. This course is subject to change or cancellation.

Registration

We recommend registering online at: **www.bu.edu/cme**

Practical Approach to Electromyography and Neuromuscular Disorders

September 25 – 27, 2015 | The Colonnade Hotel | Boston, MA

Name	[Please Print]			
Degree _		Specialty		
Address_				
			Zip Code	
E-mail				
Check	< here if you do NOT wan	t to be included on the		

Check here if you do NOT want a printed course syllabus.

Conference Tuition

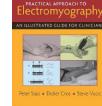
Degree Type	Regular
MD/DO	\$775
□ Allied Healthcare	\$525
□ Fellows/Residents*	\$375

- Check here if you are a BUSM Alumni (discount available)
- □ Check here if you are BUSM/BMC Faculty/Staff (discount available)

* With a letter of verification from the department chair

Tuition includes continental breakfasts, lunch buffets, coffee breaks, a course syllabus and a copy of the textbook, Practical Approach to Electromyography by Peter Siao, Didier Cros, Steve Vucic.

Attendees will also have free web access to needle EMG video recordings of normal and abnormal spontaneous activities and motor unit action potentials.



HOW TO REGISTER:

Credit Card Payment (recommended payment method)

Register online, select the pay by credit card option, and complete payment. We accept MasterCard, Visa, Discover, American Express.

Check Payment

Register online, select the pay by check option, mail check to the address below or complete the registration form above, mail both the form and check to the address below. Please make checks payable to Boston University School of Medicine.

We can accept credit card payments onsite. For questions, contact our office at 800.688.2475 or 617.638.4605 or cme@bu.edu.

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