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Boston University Chobanian & Avedisian School of Medicine
Barry M. Manuel Center for Continuing Education
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12th Annual Practical Approach to Electromyography and Neuromuscular Disorders

Register at: cme.bu.edu/emg2024

12th Annual Practical Approach to Electromyography and Neuromuscular Disorders

September 20 - 22, 2024

Hotel Commonwealth | Boston, Massachusetts

Course Director: Peter Siao, MD



Boston University Chobanian & Avedisian School of Medicine
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Overview

This two-and-a-half-day course will focus on the practical approach to electromyography and the diagnosis and management of neuromuscular disorders. Lectures will cover the clinical and neurophysiologic assessments of compression neuropathies, radiculopathies, plexopathies, generalized neuropathies, neuropathies secondary to systemic disorders including amyloidosis (primary amyloidosis and transthyretin amyloidosis), neuromuscular junction disorders, motor neuron diseases (including spinal muscular atrophy), myopathies (including Pompe disease), 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, muscle identification for needle electromyography 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, especially primary AL and hereditary amyloidosis given recent availability of novel therapies.

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 practices.

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.

Learning 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. Apply the current diagnostic and therapeutic approaches in polyneuropathy, including in the diagnosis of systemic diseases underlying polyneuropathy such as amyloidosis and the use of treatment modalities such as intravenous immunoglobulins and plasma exchange.
5. Discuss novel gene-based treatments for neuromuscular disorders such as SMN-enhancing therapy for spinal muscular atrophy.
6. Use ultrasound in the evaluation of patients with carpal tunnel syndrome and ulnar neuropathy.
7. Discuss the clinical uses of botulinum toxin.
8. Apply the knowledge reviewed above to the discussion of selected clinical cases.

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Target Audience

Neurologists, neuromuscular specialists, 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.

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
Professor of Neurology
Wake Forest School of Medicine

Mary-Lynn Y. Chu, MD
Clinical Professor of Neurology
Director, Pediatric Services, Orthopedic Hospital
New York University Grossman School of Medicine

Samuel Frank, MD
Associate Professor of Neurology
Harvard Medical School
Beth Israel Deaconess Medical Center

Steve Han, MD
Assistant Professor of Neurology
Boston University Chobanian & Avedisian School of Medicine

Deandrea King, MD
Assistant Professor of Neurology
Boston University Chobanian & Avedisian School of Medicine

Ariel H. Marks, MD
Assistant Professor of Neurology
Boston University Chobanian & Avedisian School of Medicine

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

Johnny Salameh, MD, FANA
Program Director, Neurology Residency
Director, ALS Clinic
Associate Professor, Department of Neurology
American University of Beirut Medical Center

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

Lan Zhou, MD, PhD
Neurologist-in-Chief
Chair of Marcia Dunn and Jonathan Sobel Department of Neurology
Hospital for Special Surgery

CCE Program Manager - Naomi Moeller

Accreditation



In support of
improving
patient
care, Boston
University

Chobanian & Avedisian School of Medicine is jointly accredited by the Accreditation Council for Continuing Medical Education (ACCME), the Accreditation Council for Pharmacy Education (ACPE), and the American Nurses Credentialing Center (ANCC), to provide continuing education for the healthcare team.

Boston University Chobanian & Avedisian School of Medicine designates this live activity for a maximum of 23.0 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

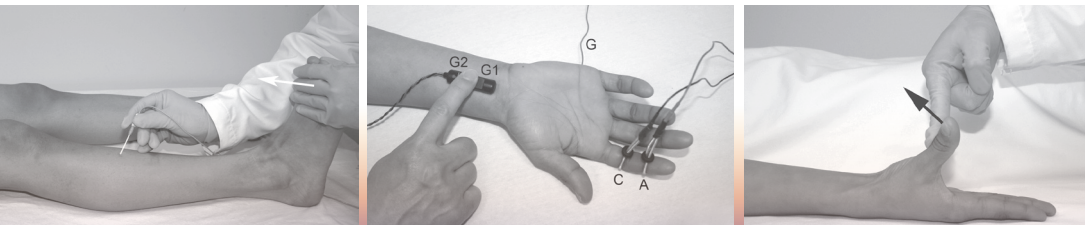
The American Nurses Credentialing Center (ANCC) and the American Academy of Nurse Practitioners (AANP) accept AMA PRA Category 1 Credit™ from organizations accredited by the ACCME.

The Royal College of Physicians and Surgeons of Canada recognizes live conferences or live courses held outside of Canada can be reported as accredited group learning activities under Section 1 of the MOC Program if they are developed by a university, academy, college, academic institution or physician organization.

NCCPA accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by ACCME or a recognized state medical society. Physician assistants may receive a maximum of 23.0 hours of Category I credit for completing this program.

Agenda | Friday | September 20

7:00-8:00am	Registration & Continental Breakfast
8:00-8:20am	Introduction: Electromyography for Clinicians <i>Peter Siao, MD</i>
8:20-9:30am	Motor Nerve Conduction Studies <i>Peter Siao, MD</i>
9:30-10:15am	Sensory Nerve Conduction Studies <i>Ariel H. Marks, MD</i>
10:15-10:30am	Coffee Break
10:30-11:15am	Needle Electromyography: Spontaneous Activities <i>Ariel H. Marks, MD</i>
11:15-12:30pm	Needle Electromyography: Evaluation of Motor Unit Action Potentials (Normal and Abnormal) <i>Peter Siao, MD</i>
12:30-1:45pm	Lunch Break
1:45-2:45pm	Approach to Carpal Tunnel Syndrome <i>Peter Siao, MD</i>
2:45-3:45pm	Approach to Ulnar, Radial, Peroneal Neuropathy, and Tarsal Tunnel Syndrome <i>Johnny Salameh, MD, FANA</i>
3:45-4:00pm	Coffee Break
4:00-5:00pm	Cervical Radiculopathy, Brachial Plexopathy, Neuralgic Amyotrophy, Neurogenic Thoracic Outlet Syndrome <i>Peter Siao, MD</i>
5:00-6:00pm	Lumbosacral Radiculopathy and Plexopathy <i>Johnny Salameh, MD</i>
6:00-7:00pm	Repetitive Nerve Stimulation/ and Single Fiber EMG <i>Peter Siao, MD</i>



Saturday | September 21

7:30-8:00am	Registration & Continental Breakfast
8:00-8:45am	Approach to Myopathy <i>Lan Zhou, MD, PhD</i>
8:45-9:30am	Myasthenia Gravis <i>Lan Zhou, MD, PhD</i>
9:30-10:15am	Approach to Polyneuropathy <i>Lan Zhou, MD, PhD</i>
10:15-10:30am	Coffee Break
10:30-11:15am	Spinal Muscular Atrophy: Recent Advances in Gene Therapies <i>Mary-Lynn Chu, MD</i>
11:15-11:45am	Early Diagnosis of Amyloid Neuropathy <i>Deandrea King, MD</i>
11:45-12:15pm	Novel Treatments for Amyloid Neuropathy <i>Deandrea King, MD</i>
12:15-1:15pm	Lunch Break
1:15-2:00pm	Guillain-Barre Syndrome <i>Daniel L. Menkes, MD</i>
2:00-2:45pm	Chronic Inflammatory Demyelinating Polyneuropathy (CIDP) <i>Thomas H. Brannagan III, MD</i>
2:45-3:30pm	CIDP Variants <i>Thomas H. Brannagan III, MD</i>
3:30-4:30pm	Ultrasonography Evaluation of Carpal Tunnel Syndrome and Ulnar Neuropathy <i>Michael Cartwright, MD, MS</i>
4:30-4:45pm	Coffee Break
4:45-7:00pm	Live demonstration: Nerve Conduction Studies (median, ulnar, tibial, peroneal, sural, superficial peroneal, lateral femoral cutaneous, dorsal ulnar cutaneous, medial antebrachial, lateral antebrachial, blink reflex, phrenic, repetitive nerve stimulation studies of facial, spinal accessory, ulnar), Muscle Identification for Needle EMG, Ultrasound evaluation of median and ulnar nerves.

Sunday | September 22

7:30-8:00am	Registration & Continental Breakfast
8:00-9:00am	Clinical Uses of Botulinum Toxin <i>Samuel Frank, MD</i>
9:00-10:00am	Botulinum Toxin Injection in the Treatment of Spasticity, Cervical Dystonia, and Other Movement Disorders <i>Samuel Frank, MD</i>
10:00-10:15am	Coffee Break
10:15-12:15am	EMG Case Discussions <i>Thomas H. Brannagan III, MD; Deandrea King, MD; Ariel Marks, MD; Daniel L. Menkes, MD; Johnny Salameh, MD, FANA; Peter Siao, MD; Lan Zhou, MD, PhD</i>
12:15-12:30pm	Evaluation and Closing Remarks

**This program is subject to change without notice.*

Hotel

Hotel Commonwealth

500 Commonwealth Avenue, Boston, MA 02115
617.933.5000

Please use the link here <https://t.ly/a4T1m> or QR code below to reserve your room.

Reservations

A block of rooms has been reserved starting at the special rate of \$309/night, single or double, plus applicable taxes. The room block will be held until August 20, 2024, or until it is full. **Space is very limited and is subject to availability.** You may make reservations by online or by calling (617) 933-5000. Mention you are with the Practical Approach to Electromyography conference to receive the special conference rate.

Hover your phone camera over the qr-code to reserve your room.



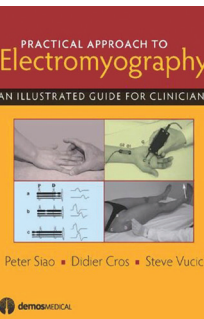
Registration/Fees

- MD/DO - **\$900**
- Allied Health Professions/Technicians - **\$650**
- Fellows/Residents* - **\$450**
- Boston University Chobanian & Avedisian School of Medicine Alumni - **\$600**
- Boston University Chobanian & Avedisian School of Medicine or Boston Medical Center Faculty/Staff - **\$500**
** With a letter of verification from the department chair*

Tuition includes:

Continental breakfasts, coffee breaks, lunches, course syllabus and choice of:

1. Practical Approach to Electromyography: An Illustrated Guide for Clinicians (Peter Siao et al) or
2. Seminars in Neurology Volume 39, Issue 5: Peripheral Neuropathies (Guest Editors Peter Siao, MD, Michelle Kaku, MD)



Special Services & Dietary Needs

To request reasonable accommodations for disabilities, please notify the CCE office, in writing, at least two weeks prior to the start of the conference. The CCE 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.

Questions?

Please contact our office at 617.358.5005 or cme@bu.edu.

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.

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