

39th Annual Course in Electrodiagnostic Medicine

February 29 - March 2, 2012
Bluemle Life Sciences Building

PRESENTED BY:

Department of Rehabilitation Medicine
The Office of Continuing Medical Education
Jefferson Medical College



Jefferson[®]

THOMAS JEFFERSON UNIVERSITY

39TH ANNUAL COURSE IN ELECTRODIAGNOSTIC MEDICINE

FEBRUARY 29 - MARCH 2, 2012

COURSE DIRECTOR

Gerald J. Herbison, MD
Professor of Rehabilitation Medicine
Jefferson Medical College

JEFFERSON MEDICAL COLLEGE FACULTY

Enrica L. Arnaudo, MD, PhD

Clinical Assistant Professor of Neurology
Director, Neuromuscular Diseases
Neuroscience Institute of Delaware

Mitchell K. Freedman, DO

Clinical Assistant Professor of
Physical Medicine and Rehabilitation

Ari C. Greis, DO

Clinical Instructor of Rehabilitation Medicine
Rothman Institute - Bryn Mawr Hospital

Michael J. Mehnert, MD

Clinical Instructor of Rehabilitation Medicine
Rothman Institute

Levon N. Nazarian, MD

Professor of Radiology
Vice Chairman for Education, Radiology

Adam L. Schreiber, DO, MA, FAAPMR

Assistant Professor of Rehabilitation Medicine
Assistant Residency Director of Physical Medicine
and Rehabilitation

Goran Rakocevic, MD

Assistant Professor of Neurology

Jeremy I. Simon, MD

Attending Physician
Rothman Institute

Channarayapatna R. Sridhara, MD

Clinical Professor of Rehabilitation Medicine
Associate Chairman of Physical Medicine
and Rehabilitation
Albert Einstein Medical Center
MossRehab

GUEST FACULTY

Joseph V. Campellone, MD

Associate Professor of Neurology
UMDNJ/Robert Wood Johnson Medical School
Director, Neurophysiology Laboratory
Cooper University Hospital
Cherry Hill, New Jersey

Andrew Dubin, MD

Associate Professor of Physical Medicine and
Rehabilitation
Albany Medical College
Albany, New York

Leo F. McCluskey, MD, MBE

Associate Professor of Neurology
University of Pennsylvania School of Medicine
Philadelphia, Pennsylvania

Faculty Disclosure

All faculty participating in continuing medical education activities sponsored by Jefferson Medical College are expected to disclose to the activity audience any real or apparent conflict(s) of interest related to the content of their presentation(s). Full disclosure of faculty relationships will be made at the activity.

PHILADELPHIA ATTRACTIONS

Extend your stay in Philadelphia and visit the **2012 Philadelphia International Flower Show** celebrating the theme, "Hawaii: Islands of Aloha." The Philadelphia Flower Show will be held from March 4 through March 11, 2012 at the nearby Pennsylvania Convention Center. Visit www.theflowershow.com for details and tickets. For additional events and activities in the Philadelphia area, please also go to www.visitphilly.com for museum, concert, restaurants & dining, and tourist information.

SYLLABUS MATERIALS:

We are going GREEN ! All registrants will have the opportunity to access copies of presentations prior to and following the course via a password secured website provided by the Office of CME. Please be sure to provide an email address upon registering, so that you may access the presentations online in advance. Note taking materials will be available on site.

ACCREDITATION

Jefferson Medical College of Thomas Jefferson University is accredited by the ACCME to provide continuing medical education for physicians.

Jefferson Medical College of Thomas Jefferson University designates this live activity for a maximum of 18.25 *AMA PRA Category 1 Credit(s)*[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

For more information, please contact the Office of CME at 1-888-JEFF-CME or on the web at <http://jeffline.jefferson.edu/jeffcme/>

ACCOMMODATIONS

Holiday Inn Express-Midtown
1305 Walnut Street, Philadelphia PA 19107

Room Rate:
2 Double Beds \$119.00 (per night, plus tax)
Parking: \$21.00 (per day)

A special rate has been reserved at the Holiday Inn Express Midtown. To make reservations, please call the Holiday Inn Reservations Department at (215) 735-9300, and identify yourself as part of the Jefferson EMG group in order to be offered the special rate. Reservations must be received no later than **January 28, 2012**. Rooms not reserved by this date will be accepted on a space and rate availability basis only. All rooms at the Holiday Inn require a deposit equal to one night's stay. Individuals may guarantee payment to a major credit card.

39TH ANNUAL COURSE IN ELECTRODIAGNOSTIC MEDICINE | REGISTRATION

REGISTRATION INFORMATION

The registration fee for the entire course is \$295 for Physicians, \$140 for Other Healthcare Professionals, \$125 for Residents and Fellows (trainees must provide a letter from their Program Director verifying their status in a training program.) In addition, this year a group rate of \$250 per practicing physician will be available - see details below. The registration fee includes note taking materials, access to presentations online, CME certificate, breakfasts, refreshment breaks and lunch on Thursday; however, parking is not included. **February 22, 2012** is the registration deadline. Registration submissions will be confirmed via email. Exhibits will be displayed each day of the course, however lunch with the exhibitors will be provided on Thursday only. If you have any special needs, please contact the Office of CME by February 15, 2012 at 1-888-JEFF-CME.

CANCELLATIONS/REFUND POLICY

Requests for refunds must be submitted in writing and received in the Office of CME by February 22, 2012. There will be no refunds after this date. There will be a \$50 processing fee for all refunds. Registrants who fail to attend the conference are responsible for the entire fee. All refunds will be processed after the conference.

The University reserves the right to cancel or postpone this course due to unforeseen circumstances. In the event of cancellation or postponement, the University will refund registration fees, but is not responsible for related costs or expenses to participants, including cancellation fees assessed by hotels, airlines or travel agencies.

Last Name		First Name		MI
Title (Dr., Mr., Mrs.)	Personal Title (II, Jr.)	Degree	Specialty	
Address		City	State	Zip
Phone	<input type="checkbox"/> work <input type="checkbox"/> cell <input type="checkbox"/> home	Fax	Email	
<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>

Please provide the last four digits of your Social Security Number as your Web ID. This will allow you to access your CME transcript at anytime after the course.

REGISTRATION OPTIONS/FEE: REGISTRATION DEADLINE IS FEBRUARY 22, 2012

Entire Course

- \$295 Practicing Physicians (PP)
- \$140 Other Healthcare Professionals (OHP)
- \$125 Residents
- \$250 Group Registration Discount (per physician registration fee is \$250)

Register as a team and save! Practicing physicians have the opportunity to save \$45 when registering as a group of two or more. Each team member will receive the discount and all group members must be practicing physicians. Group registration forms will be available online only at <http://jeffline.jefferson.edu/jeffcme/RehabMedCME/>

Specified Days: Please specify which day(s)

- \$150 (PP) \$85 (OHP)
- Wednesday, February 29, 2012
- Thursday, March 1, 2012
- Friday, March 2, 2012

TO REGISTER PLEASE USE ONE OF THE FOLLOWING OPTIONS:

REGISTER ONLINE: <http://jeffline.jefferson.edu/jeffcme>

FAX: You may fax your registration with credit card payment to (215) 923-3212

PHONE: For further information, please call the Office of CME at 1-888-JEFF-CME.

PAYMENT: TOTAL AMOUNT ENCLOSED \$ _____

Please make check payable to **Jefferson Medical College, Office of CME**, or provide Credit Card Information. Do not send cash. Registration will not be processed unless full payment is received.

- Check is enclosed.
- I hereby authorize use of my: Visa / Mastercard

Account Number Expiration Date

Cardholder's Name

Cardholder's Signature

MAIL THIS FORM TO:

39th Annual Course in EMG
Jefferson Medical College
Office of CME
1020 Locust Street, Suite M-5
Philadelphia, PA 19107

If you have any special needs, please contact the Office of CME by February 15, 2012 at 1-888-JEFF-CME or (215) 955-6992.

The 39th Annual Course in Electrodiagnostic Medicine

COURSE DESCRIPTION

This annual conference is designed to modernize the electrodiagnostic knowledge and skills of physiatrists and neurologists. Emphasis will be placed on identifying specific electrodiagnostic findings characteristic of various clinical presentations. Priority will be given to those waveform patterns and conduction study findings that are currently utilized in the management of patients with motor unit pathology. Clinical topics will include anterior and cell, peripheral nerve, neuromuscular junction and muscle disease. The approach taken in this course includes didactic presentations, case studies, and audience participation.

COURSE OBJECTIVES

- Identify the firing pattern of specific spontaneous electrical waveforms typical of acute and old nerve and muscle disease.
- Differentiate the recruitment pattern found in normal and typical neuropathic and myopathic conditions.
- Analyze the physiologic basis of the latency, amplitude, and duration of the compound muscle action potential and the pitfalls involved in performing nerve conduction studies.
- Describe late responses in regards to their physiology, utility and pitfalls in confirming a clinical impression.
- Identify and assess the current international criteria utilized in diagnosing anterior horn cell disease along with the common clinical presentations and utility of the electrical studies in diagnosing these entities.
- Classify peripheral neuropathies by defining and explaining current criteria used to differentiate axonal from myelin pathology.
- Describe the anatomy and physiology of the neuromuscular junction that serves as a basis for the testing of patients with myasthenia gravis and myasthenic syndrome.
- Analyze the relationship between the pathologic findings in myonecrotic myopathies and the electrical findings.
- Identify the abnormalities characteristic of nerve entrapment syndromes utilizing ultrasound.
- Define clinical carpal tunnel syndrome and the electrophysiology that explains the clinical findings and differentiate standards from guidelines and optional practice parameters currently utilized in the evaluation of carpal tunnel syndrome.
- Interpret the classical electrical findings in acute and old radiculopathies utilizing practice parameters, focusing on motor conduction velocity and polyphasic voluntary motor unit potentials.
- Identify the value of botulinum toxin in the management of spasticity and the use of electrodiagnostic techniques to assist in the precise localization of injection of the botulinum toxin.
- Assess their individual practice in light of the information and discussions during the course, and identify specific strategies to implement as part of a continuing improvement process for their practices.

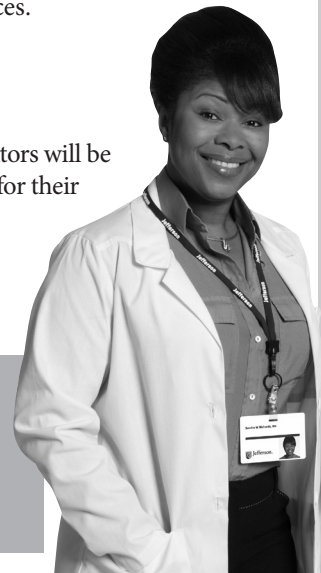
EXHIBITS

Exhibits will be open during registration and break times throughout the entire conference; however lunch with exhibitors will be available on Thursday only. We wish to thank our exhibitors for their participation and support of this conference.

For directions and nearby parking, visit the following website at: <http://www.jefferson.edu/main/direct.cfm>

COURSE LOCATION

Bluemle Life Sciences Building
Thomas Jefferson University
233 S. 10th Street
Philadelphia, PA 19107



Wednesday, February 29, 2012

7:30 AM – 5:00 PM

- 7:30 AM Registration, Continental Breakfast, & Exhibits
- 8:00 AM Wave Form: Common Spontaneous Muscle Fiber Potentials
Gerald J. Herbison, MD
- 9:30 AM Break & Exhibits
- 10:00 AM Wave Form: Spontaneous Motor Unit Potentials & Recruitment
Gerald J. Herbison, MD
- 11:30 AM LUNCH (on your own)
- 12:30 PM Basic Nerve Conduction
Adam L. Schreiber, DO, MA, FAAPMR
- 1:30 PM Late Responses: Uses & Pitfalls
Ari C. Greis, DO
- 2:30 PM Break & Exhibits
- 3:00 PM Ulnar Myelinopathies, Axonopathies and Practice Parameters with Cases
Mitchell K. Freedman, DO
- 4:00 PM Peroneal Myelinopathies & Axonopathies with Cases
Michael J. Mehnert, MD

Thursday, March 1, 2012

7:30 AM – 5:00 PM

- 7:30 AM Registration, Continental Breakfast, & Exhibits
- 8:00 AM Anterior Horn Cell Disease With Cases
Leo F. McCluskey, MD, MBE
- 9:00 AM Break & Exhibits
- 9:15 AM Peripheral Neuropathies with Cases
Joseph V. Campellone, MD
- 11:15 AM LUNCH PROVIDED & EXHIBITS
- 12:45 PM Neuromuscular Junction Disease
Enrica L. Arnaudo, MD, PhD
- 1:45 PM Myonecrotic Myopathies – Acute vs Subacute vs Late EMG Findings
Goran Rakocevic, MD
- 3:00 PM Break & Exhibits
- 3:30 PM Ultrasound in Neuropathies
Levon N. Nazarian, MD

Friday, March 2, 2012

7:30 AM – 1:00 PM

- 7:30 AM Registration, Continental Breakfast, & Exhibits
- 8:00 AM Carpal Tunnel Syndrome with Cases. Myelinopathies & Axonopathies Meaning of Slow Conduction Across Wrist: Partial Demyelination vs Remyelination. Practice Parameters.
Channarayapatna Sridhara, MD
- 9:30 AM Break & Exhibits
- 9:45 AM Radiculopathies with Cases. Practice Parameters. Reasons why SNAPS can be Absent.
Jeremy I. Simon, MD
- 10:45 AM Break & Exhibits
- 11:00 AM Case Presentations
Andrew Dubin, MD
- 12:00 PM Botulinum Toxin Injections
Andrew Dubin, MD