

The Ohio State University Medical Center Department of Physical Medicine and Rehabilitation



SUPER EMG PLUS

A practical update on clinical neuromuscular physiology, electrodiagnostic medicine, ultrasonography and neuropathic pain, presented by an international faculty.

February 18-25, 2012

Frenchman's Reef and Morning
Star Marriott Beach Resort
St. Thomas, U.S. Virgin Islands





Educational Objectives

Upon completion of this conference the participant will be able to:

1. Determine the best tests for common clinical presentations of pain, paresthesias and/or weakness.
2. Employ fundamental and advanced techniques in the EMG examination.
3. Review the evolving computerization of EMG instrumentation.
4. Employ fundamental and advanced techniques in ultrasound examinations of nerve entrapments and common musculoskeletal conditions.
5. Evaluate and improve the quality of his/her electrodiagnostic reports.
6. Identify and understand the physiology of waveforms associated with electromyographic findings.

Educational Assessment

The electrodiagnostic medicine consultation is a direct extension of the neurologic portion of the physical examination. An electrodiagnostic medicine consultant with special training in electrodiagnostic procedures maximizes his/her ability to consider appropriate differential diagnoses in planning and performing the electrodiagnostic examination. This expertise enables the physician to establish diagnoses, determine prognoses and assist in proper management of the patient by ascertaining the functional consequences of the diagnosis. The accuracy of the electrodiagnostic exam depends on the development of skills necessary to perform the exam and interpret the exam's findings. Since no diagnostic test can perfectly discriminate between normal and abnormal, critical values are set at levels where most subjects are correctly classified.

This is a practical seminar on clinical neuromuscular physiology and electrodiagnosis limited to medical physicians who wish to update and improve their skills. Course content is developed in cooperation with the Center for Continuing Medical Education. Additional support material includes publications from faculty at The Ohio State University Medical Center and guest faculty. This course emphasizes hands-on, practical sessions and some video presentations of electromyographic techniques, ultrasonography and waveform analysis. Hands-on skills sessions provide opportunity for participants to interact with faculty on a daily basis.

Faculty

**Ernest W. Johnson, MD**

Professor Emeritus of Physical Medicine and Rehabilitation, The Ohio State University

Albert C. Clairmont, MD

Associate Professor of Clinical Physical Medicine and Rehabilitation, The Ohio State University

Jonathan T. Finnoff, DO

Director of Sports Medicine, Tahoe Orthopedics and Sports Medicine, Barton Healthcare System, South Lake Tahoe, CA

Jun Kimura, MD

Professor Emeritus of Neurology, Kyoto University, Kyoto, Japan; Professor, Electromyography Laboratory, University of Iowa

William S. Pease, MD

Professor of Physical Medicine and Rehabilitation, The Ohio State University

Erik V. Stålberg, MD

Professor Emeritus of Neurophysiology, University Hospital, Uppsala, Sweden

Jeffrey A. Strakowski, MD

Clinical Associate Professor of Physical Medicine and Rehabilitation, The Ohio State University



Course Content

Sunday, February 19

Wave Form Recognition; Anatomy of EMG; Motor Unit Analysis; Needle Guidance with Ultrasound; Pathophysiology of Nerve Conduction; Needle Exam

Monday, February 20

Upper Limb Entrapments; Ultrasonography of Shoulder and Elbow; Acute Nerve Injury; Difficult and Challenging Cases; Conduction Studies; Hands-On Skills Sessions

Tuesday, February 21

Carpal Tunnel Syndrome; Median and Ulnar Nerve Ultrasound; Difficult Cases; Combined Sensory Index; Inching Technique; Spontaneous Activity; Post-Op and Ergonomics of CTS; Difficult and Challenging Cases; Hands-On Skills Sessions

Wednesday, February 22

ALS — Post Polio — Multi-Focal Block; Botulinin Toxin for Movement Disorders; Entrapment Neuropathies of the Hip and Knee; EDX of Limb Pain; Repetitive Stimulation; Neuromuscular Junction EDX; Ultrasonography of Hip and Knee; Waveform Recognition; Hands-On Skills Sessions

Thursday, February 23

Use and Abuse of SSEP; Entrapment Neuropathies and Ultrasonography of the Foot and Ankle; Other Entrapments of Peripheral Nerves; Thoracic Outlet and Tarsal Tunnel Syndrome; Hands-On Skills Sessions; Difficult Conduction Studies

Friday, February 24

Challenging and Difficult Cases; Diabetic Neuropathy; Reporting; Summing Up the Electrodiagnostic Exam; EMG in the Courtroom; Review Waveform and Self Assessment Tests

Course Directors and Planners

Ernest W. Johnson, MD

Professor Emeritus of Physical Medicine and Rehabilitation, The Ohio State University

Jeffrey Strakowski, MD

Associate Professor of Physical Medicine and Rehabilitation, The Ohio State University

Jon Hollett, MS

Program Director, Center for Continuing Medical Education, The Ohio State University

Disclosure

The Ohio State University Medical Center and the Center for Continuing Medical Education (CCME) adhere to the ACCME standards for commercial support to avoid any conflict of interest and/or commercial bias. These standards ensure the independence, objectivity and scientific integrity of all CME-sponsored educational activities. All individuals who participate in sponsored activities are expected to disclose significant relationships that may pose a conflict of interest.

Nothing in this program is intended to imply that any off-label or unapproved product use discussed is reimbursed by any government or private payer or that submission of a claim for such use is proper.

The Ohio State University Medical Center presents this activity for educational purposes only. Participants are expected to utilize their own expertise and judgment while engaged in the practice of medicine. The content of this course is provided solely by presenters who have been selected for their recognized expertise in the field of electromyography.



General Information

Fees

Physician Registration, early: \$1195 until October 1

Physician Registration, after October 1: \$1475

Resident Registration: \$1195

A printed syllabus is not included in the course fee. All confirmed applicants will receive the syllabus material on digital media. Applicants are encouraged to bring laptops to this course and use the provided digital syllabus. Limited printed copies of the syllabus will be available for purchase onsite, however, applicants may reserve a syllabus at the time of application. An additional fee of \$30 will be charged.

Applicants may register for a private one-hour Oral Board Exam Preparation session. Sessions are limited and are arranged to mutually suit the applicant and the faculty member(s).

Registration for Oral Board Exam Preparation session \$75

Symposium Site

All lecture and skill sessions will convene in meeting facilities at the Frenchman's Reef Marriott Beach Resort. Course hours are subject to modification.

Registration

Applicants MUST BE MEDICAL PHYSICIANS, and all applications MUST include a brief resume of EMG training and experience, and TWO ABNORMAL EMG REPORTS of the applicant's own examinations (obscure patients' names before submitting). Attendance is limited and attendees are expected to participate in all sessions for which they have registered. To register for this course, complete the attached registration form.

Return registration form, resume, abnormal EMG reports and course fee to:
 Continuing Medical Education, 1492 E. Broad Street, Suite 1603, Columbus, OH 43205 (Telephone: 614-257-3638; fax: 614-257-3636); or register online at <https://ccme.osu.edu/ConferenceDetail.aspx?ID=838> (or search online for "Super EMG Plus").

Accommodations

A block of hotel rooms has been reserved at the Frenchman's Reef Marriott Beach Resort for arrival February 18 and departure February 25, 2012. A dedicated booking website has been created for this event from which attendees may make, modify or cancel their hotel reservations online, as well as take advantage of any room upgrades, amenities or other services offered by the hotel. To ensure availability of the group room rate, reservations should be requested by January 18, 2012.

Registration and Course Fees

- Physician Fee: \$1,195 until October 1, 2011
- Physician Fee: \$1,475 after October 1, 2011
- Resident Fee: \$1,195
- Oral Board Review: \$75
- Reserve Syllabus: \$30

Please Print

Name _____ Degree _____

Medical Specialty

Address

City _____ State _____ Zip _____

Office Phone _____ Fax _____

Email

Visa Discover Card
 MasterCard Amercian Express

Due to information security protocol, we cannot accept faxed registrations containing credit card information.

Name on Card _____

Card Number _____ Expiration Date _____

Signature _____ Date _____

CANCELLATION: Course cancellation up to December 18, 2011, will be refunded in full less a \$150 administrative charge. Cancellation after December 18 up to January 18, 2012, will be refunded in full less a \$500 penalty. No refund of course fee will be issued after January 18, 2012.

Accreditation

The Ohio State University Medical Center is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to sponsor continuing medical education for physicians.

The Ohio State University Medical Center designates this educational activity for a maximum of **37.25 AMA PRA Category 1 Credits™**. Each physician should claim only credit commensurate with the extent of his/her actual participation in the educational activity.

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Center for Continuing Medical Education

2030 Kenny Road
Columbus, OH 43210

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