HOSPITAL FOR SPECIAL SURGERY

HSS NEUROLOGICAL DIRECTIONS 2014

UPDATES IN NEUROMUSCULAR MEDICINE

MARCH 20–22
Hospital for Special Surgery

FEATURING
Joint Symposium with The ALS Association Greater New York Chapter on Saturday, March 20

SPONSORED BY
Hospital for Special Surgery Department of Neurology & Office of Continuing Medical Education
Overview
Neurology is an ever-changing medical specialty where there are limited venues available to present advances and new treatments for neuromuscular disease.

Clinicians are unfamiliar with evidence-based studies on topics such as the latest advances in diagnosis and treatments for neuromuscular diseases including neuropathies, myasthenia gravis, inflammatory myopathy, motor neuron disease such as amyotrophic lateral sclerosis (ALS), and EMG techniques.

Target Audience
This activity is targeted to neurologists, rheumatologists, anesthesiologists, orthopaedists, physician assistants, nurse practitioners, residents, fellows and medical students.

Learning Objectives
HSS continuing medical education activities are intended to improve the quality of patient care and safety. At the conclusion of this course participants will be able to:

- Describe proper electrodiagnostic skills and perform safe and accurate needle EMG, NCV and facial studies in their own practice.
- Discuss and accurately interpret electrophysiological data which will allow for accurate diagnosis of neuromuscular diseases.
- Identify and reference professional guidelines for properly diagnosing common neurological disorders such as inflammatory myopathy and amyotrophic lateral sclerosis (ALS) and appropriately treat patients with these diseases.
- Identify and reference available evidence-based studies and be able to utilize evidence-based methods for diagnosing, treating and evaluating neuromuscular disorders, treating and evaluating neuromuscular disorders, such as inflammatory myopathy and amyotrophic lateral sclerosis (ALS).

Accreditation & Credit Designation
Hospital for Special Surgery is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Credit Designation: Hospital for Special Surgery designates this live activity for a maximum of 22.0 AMA PRA Category 1 Credit(s)™ onsite and 14.75 AMA PRA Category 1 Credit(s)™ online. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Financial Disclosure
In accordance with the Accreditation Council for Continuing Medical Education’s Standards for Commercial Support, all CME providers are required to disclose to the activity audience the relevant financial relationships of the that Activity Directors, planning committee members, presenters, authors and staff involved in the development of CME content. An individual has a relevant financial relationship if he or she has a financial relationship in any amount occurring in the last 12 months with a commercial interest whose products or services are discussed in the CME activity content over which the individual has control.

It is the policy of Hospital for Special Surgery to request all financial relationships that Activity Directors, planning committee members, presenters, authors and staff have with commercial interests, but to disclose to the activity audience only the relevant financial relationships.
Activity Co-Directors
Dale J. Lange, MD, has disclosed no relevant financial relationships.

Dora K. Leung, MD, has disclosed no relevant financial relationships.

Planning Committee
Keren Baum, MA, has disclosed no relevant financial relationships.

Amy DeRobertis, MS, has disclosed no relevant financial relationships.

Allison Goldberg, MPA, has disclosed no relevant financial relationships.

Lauren Hee has disclosed no relevant financial relationships.

Dale J. Lange, MD, has disclosed no relevant financial relationships.

Lauren Langford has disclosed no relevant financial relationships.

Melody Mokhtarian has disclosed no relevant financial relationships.

Leah Pilossofph, RN, has disclosed no relevant financial relationships.

Brion D. Reichler, MD, has disclosed no relevant financial relationships.

Mona Shahbazi, MSN, NP, has disclosed no relevant financial relationships.

Guest Faculty
Peter Andersen, MD, PhD, has disclosed no relevant financial relationships.

Walace Patrick Beaton has disclosed no relevant financial relationships.

James D. Berry, MD, MPH, has disclosed no relevant financial relationships.

Marinos C. Dalakas, MD, has disclosed no relevant financial relationships.

William S. David, MD, PhD, has disclosed no relevant financial relationships.

Albert C. Ludolph, MD, has disclosed no relevant financial relationships.

Brett Macadam has disclosed no relevant financial relationships.

Vincenzo Silani, MD, has disclosed no relevant financial relationships.

HSS Faculty
Eliz Agopian, MD, has disclosed no relevant financial relationships.

Stephen J. DiMartino, MD, PhD, has disclosed no relevant financial relationships.

Jonathan M. Goldstein, MD, has disclosed no relevant financial relationships.

Erin Manning, MD, has disclosed no relevant financial relationships.

Darius P. Melisaratos, MD, has disclosed no relevant financial relationships.

Brion D. Reichler, MD, has disclosed no relevant financial relationships.
Mona Shahbazi, MSN, NP, has disclosed no relevant financial relationships.

Alexander Shtilbans, MS, MD, PhD, has disclosed no relevant financial relationships.

Poster Presentations
Haris Kamal, MD, has disclosed no relevant financial relationships.

Caitlin Oksienik, MD, has disclosed no relevant financial relationships.

Kristiana Salmon, BSc, has disclosed no relevant financial relationships.

Hospital for Special Surgery Office of CME staff and CME Committee members have no relevant financial relationships to disclose regarding this activity.
AGENDA

Thursday, March 20
Basic Concepts in Clinical Neurophysiology

8:30am  Registration and Breakfast*
8:55am  Welcome
9:00am  Basics and Errors in NCV/EMG
        William S. David, MD, PhD
        Electrophysiological Study of the Arm through Case Studies
10:00am  Carpel Tunnel Syndrome/Median Neuropathy
         Dora K. Leung, MD
10:45am  Break*
11:00am  Ulnar Neuropathy
         Erin Manning, MD
11:45am  Brachial Plexus Injuries: Wrist Drop
         Brion D. Reichler, MD
12:45pm  Working Lunch: Rotating Workshops (45 minutes each)
         Basic Median (MNCV/SNCV/F) NCV Arm workshop
         Basic Ulnar (MNCV/SNCV/F) NCV Arm workshop
         Basic Repetitive Stimulation Studies
2:30pm  Foot Drop: Mononeuropathy vs. Plexopathy: Case Studies
        William S. David, MD, PhD
3:30pm  Concurrent Workshops: Participants register for 4 out of 7 workshops in advance (30 minutes each)
        Proximal Stimulation
        Botox for Dystonia
        Electrodiagnostic Case Studies
        Somatosensory Evoked Responses
        Facial Nerve Studies
        EMG Waveform Identification
        Writing an EMG Report

* Not designated for AMA PRA Category 1 Credit™
Friday, March 21
Immune Mediated Diseases of Nerve and Muscle

8:30am    Registration and Breakfast*

8:55am    Welcome

9:00am    Targets of Immunotherapy in Autoimmune Disorders and Emerging New Therapies
Marinos C. Dalakas, MD

10:00am   Multifocal Motor Neuropathy
Dale J. Lange, MD

10:45am   Break*

11:00am   CIDP and Its “Many Faces”
Marinos C. Dalakas, MD

11:45am   Role of Neuroimaging in Inflammatory Nerve and Muscle Disease
Darius P. Melisaratos, MD

12:30pm   Lunch*

1:30pm    Inflammatory Myopathy
Stephen J. DiMartino, MD, PhD

2:15pm    Stiff Person Syndrome
Marinos C. Dalakas, MD

3:15pm    Break*

3:30pm    Myasthenia Gravis
Jonathan M. Goldstein, MD

4:30pm    Patient Presentation

* Not designated for AMA PRA Category 1 Credit™
Saturday, March 22
Joint Symposium on ALS with The ALS Association Greater New York Chapter

8:00am  Registration and Breakfast*

8:25am  Welcome

8:30am  Having Motor Neuron Disease in 2014: A Patient’s Perspective

8:45am  Update on Clinical Trials
  Dale J. Lange, MD

9:30am  The Role of SOD1 in ALS: Two Decades of Discoveries, Defects and Disputes
  Peter Andersen, MD, PhD

10:15am  Break*

10:30am  ALS Associated with C9orf72 Mutations: Why Is This Important to Both Familial and Sporadic Cases?
  Vincenzo Silani, MD

11:15am  Neuropathological Staging of ALS and Its Mechanistic and Clinical Translation
  Albert C. Ludolph, MD

12:00pm  Lunch*

1:00pm  Inflammation and the Role of Peripheral Blood Monocytes in ALS
  James D. Berry, MD, MPH

1:45pm  Concurrent Workshops: Participants register for 4 out of 6 workshops in advance (30 minutes each)

  Clinical Trials: Why They Fail
  James D. Berry, MD, MPH

  Diaphragm Pacing
  Mona Shahbazi, MSN, NP

  Uses for Botox in Treating Patients with ALS
  Alexander Shtilbans, MS, MD, PhD

  Stem Cell Therapy
  Vincenzo Silani, MD

  Genetic Testing
  Peter Andersen, MD, PhD

  Role of Toxins in ALS
  Albert C. Ludolph, MD

3:45pm  Closing Remarks*

* Not designated for AMA PRA Category 1 Credit™
ACTIVITY FACULTY

ACTIVITY CO-DIRECTORS
Dale J. Lange, MD
Chair, Department of Neurology
Neurologist-in-Chief
Director, ALSA Program
Hospital for Special Surgery
Director, MDA/ALS Program
Professor of Neurology
Weill Cornell Medical College

Dora K. Leung, MD
Assistant Attending Neurologist
Hospital for Special Surgery
Assistant Professor of Clinical Neurology
Weill Cornell Medical College

GUEST FACULTY
Peter Andersen, MD, PhD
Professor, Department of Pharmacology and Clinical Neuroscience
Umea University
Umea, Sweden

Walace Patrick Beaton

James D. Berry, MD, MPH
Assistant Attending Neurologist
Massachusetts General Hospital
Assistant Professor of Neurology
Harvard Medical School
Boston, MA

Marinos C. Dalakas, MD
Director, Division of Neuromuscular Diseases
Professor of Neurology
Thomas Jefferson University
Philadelphia, PA
Professor of Neurology and Chief Neuroimmunology Unit
University of Athens Medical School
Athens, Greece

William S. David, MD, PhD
Director, Neuromuscular Diagnostic Center
Director, EMG Laboratory
Massachusetts General Hospital
Associate Program Director
Harvard Partners Neuromuscular Medicine Fellowship Training Program
Boston, MA

Albert C. Ludolph, MD
Director and Chair
Department of Neurology
University of Ulm
Ulm, Germany
Brett Macadam

Vincenzo Silani, MD
Professor and Chairman
Department of Neurology
IRCCS Istituto Auxologico Italiano
University of Milan
Milan, Italy

HSS FACULTY
Eliz Agopian, MD
Fellow, Neuromuscular Medicine

Stephen J. DiMartino, MD, PhD
Assistant Attending Rheumatologist
Instructor in Clinical Medicine
Weill Cornell Medical College

Jonathan M. Goldstein, MD
Associate Attending Neurologist
Director of Perioperative Neurology

Erin Manning, MD
Fellow, Neuromuscular Medicine

Darius P. Melisaratos, MD
Assistant Attending Radiologist
Assistant Professor of Radiology
Weill Cornell Medical College

Brion D. Reichler, MD
Assistant Attending Neurologist

Mona Shahbazi, MSN, NP
Nurse Practitioner and Manager of Clinical Research
Department of Neurology

Alexander Shtilbans, MS, MD, PhD
Assistant Attending Neurologist
Assistant Professor of Neurology
Weill Cornell Medical College
Hospital for Special Surgery gratefully acknowledges funding in part from educational grants from:

**Platinum**
ALS Association

![ALS Association](image)

CSL Behring, LLC

![CSL Behring](image)

PrideCare

![PrideCare](image)

Superior Biologics

![Superior Biologics](image)

**Silver**
Allergan

![Allergan](image)

Synapse Biomedical

![Synapse Biomedical](image)
Hospital for Special Surgery gratefully acknowledges funding in part from educational grants from:

**Supporter**
- Grifols
- MedPro Rx
- Numotion

Hospital for Special Surgery gratefully acknowledges the following exhibitors:

**Platinum**
- Baxter Healthcare

![Baxter Healthcare](image1)

**Gold**
- Grifols

![Grifols](image2)

**Silver**
- Genzyme
- Numotion
- Therapath
- Visiting Nurse Service of New York
- Walgreens Infusion Services

**Exhibitor**
- Accredo Therapeutics
- Allergan
- Coram Specialty Infusion Services
- NuFactor
- Synapse Biomedical

**In-Kind Support**
- Allergan
Notes to Participants:

PROGRAM
The Hospital for Special Surgery Office of Continuing Medical Education is an environmentally “green” CME operation. We no longer reproduce extensive paper-bound conference materials – rather we distribute this booklet which you have received to take notes. All presentations and/or outlines will be captured and distributed exclusively to meeting participants via the following link:

http://www.meetingproceedings.com/2014/hss-neuro

Access Key: neuro14

EVALUATION
In keeping with our “green” CME operation, we no longer print paper evaluations, but instead utilize an online evaluation module. Please take a moment after the course to fill out the following survey:


CERTIFICATE
Once you complete the online evaluation you will be able to print out your certificate. Please do not complete the survey on your mobile device as you will not be able to print out your certificate.

For more information please contact:
Melody Mokhtarian
Marketing and Events Coordinator
Education & Academic Affairs
Hospital for Special Surgery
Tel: 212.606.1812
Email: mokhtarianm@hss.edu