

Mayo Clinic Electromyography (EMG), Electroencephalography (EEG), and
Neurophysiology in Clinical
Sunday, February 22 - Saturday, February 28, 2015
Ritz-Carlton Amelia Island

Sunday, February 22, 2015
EMG

7:00 a.m.	Registration & Continental Breakfast
7:45	Welcome, Introductions and Pre-Test Devon I. Rubin, M.D.
8:00	Nerve Conduction Studies: Basics Brian A. Crum, M.D.
8:45	Uncommon Motor Nerve Conduction Studies, Including F Waves and H Reflexes Lyell K. Jones, Jr., M.D.
9:30	Break
10:00	Uncommon Sensory Studies – Technique and Utility Mark A. Ross, M.D.
10:45	Electrodiagnostic Evaluation of Neuromuscular Junction Disorders Brent P. Goodman, M.D.
11:30	Pitfalls of Nerve Conduction Studies Technical and Physiologic Devon I. Rubin, M.D.
12:30 p.m.	Lunch
1 :30	Workshops I – Nerve Conduction Studies Upper Extremity Motor – Common Upper Extremity Motor – Uncommon Upper Extremity Sensory Lower Extremity Motor and Sensory
2 :30	Workshop II – Nerve Conduction Studies Upper Extremity Motor – Common Upper Extremity Motor – Uncommon Upper Extremity Sensory Lower Extremity Motor and Sensory
3 :30	Workshop III - Nerve Conduction Studies Upper Extremity Motor – Common Upper Extremity Motor – Uncommon Upper Extremity Sensory Lower Extremity Motor and Sensory
4 :30	Workshop IV - Nerve Conduction Studies Upper Extremity Motor – Common Upper Extremity Motor – Uncommon Upper Extremity Sensory Lower Extremity Motor and Sensory
5 :30 p.m.	Adjourn

Monday, February 23, 2015
EMG

7:30 a.m.	Continental Breakfast
8:00	Technique of Needle Examination Devon I. Rubin, M.D.
8:30	EMG of Uncommon Muscles Eric J. Sorenson, M.D.
9:30	Break
9:45	EMG Waveform Analysis: Introduction Devon I. Rubin, M.D.
11:30	Crafting the EMG Report Benn E. Smith, M.D.

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Noon	Lunch
1:00	Workshop I – Needle EMG Common Upper Extremity Common Lower Extremity Uncommon Upper Extremity Needle Technique and Practical Points
2:00	Workshop II – Needle EMG Common Upper Extremity Common Lower Extremity Uncommon Upper Extremity Needle Technique and Practical Points
3:00	Workshop III – Needle EMG Common Upper Extremity Common Lower Extremity Uncommon Upper Extremity Needle Technique and Practical Points
4:00	Workshop IV – Needle EMG Common Upper Extremity Common Lower Extremity Uncommon Upper Extremity Needle Technique and Practical Points
5:15	Dinner
6:30	An Evening of EMG Waveforms: Food, Fun, and Fibrillations Devon I. Rubin, M.D. and Lyell K. Jones, Jr., M.D.
10:00 p.m.	Adjourn

Tuesday, February 24, 2015
EMG Approaches to Common Disorders

7:30 a.m.	Continental Breakfast
8:00	Carpal Tunnel Syndrome James C. Watson, M.D.
8:45	Ulnar Neuropathy Benn E. Smith, M.D.
9:30	Break
9:45	Evaluation of Radiculopathies Jeffrey A. Strommen, M.D.
10:45	Lower Limb Mononeuropathies Ruple S. Laughlin, M.D.
11:45	Electrodiagnostic Approach to Brachial Plexopathy Devon I. Rubin, M.D.
12:30 p.m.	Lunch
1:30	Workshop I Repetitive Stimulation Single Fiber EMG Cranial Nerve Testing and Other NCS Ultrasound as a Complement to NCS and EMG
2:30	Workshop II Repetitive Stimulation Single Fiber EMG Cranial Nerve Testing and Other NCS Ultrasound as a Complement to NCS and EMG

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- 3:30 **Workshop III**
Repetitive Stimulation
Single Fiber EMG
Cranial Nerve Testing and Other NCS ()
Ultrasound as a Complement to NCS and EMG
- 5:00 p.m. **Adjourn**

Wednesday, February 25, 2015
EMG Approaches to Uncommon Disorders

- 7:30 a.m. Continental Breakfast
- 7:45 Post-test
- 8:00 **Evaluation of Common, Distal Sensorimotor Peripheral Neuropathies**
Michelle L. Mauermann, M.D.
- 8:45 **Evaluation of Uncommon and Atypical Peripheral Neuropathies**
Michelle L. Mauermann, M.D.
- 9:30 Break
- 9:45 **Pathological Correlates of Electrodiagnostic Studies: The Use of the Nerve Biopsy**
P. James B. Dyck, M.D.
- 10:45 **Approach to Motor Neuron Diseases**
Eric J. Sorenson, M.D.
- Noon Lunch
- 1:00 **Approach to Neuromuscular Junction Disorders**
Kathleen D. Kennelly, M.D., Ph.D.
- 2:00 **Approach to Muscle Diseases**
Elliot L. Dimberg, M.D.
- 3:00 Break
- 3:15 **Evaluation of Cranial Neuropathies**
Kathleen D. Kennelly, M.D., Ph.D.
- 4:00 **Nerve Conduction Studies and Electromyography in the Pediatric Population**
Randa G. Jarrar, M.D.
- 5:00 **Adjourn**

Thursday, February 26, 2015
Evoked Potentials, Sleep, Autonomic, Intraoperative Monitoring, and Movement Disorders

- 7:30 a.m. Continental Breakfast
- 8:00 **Intraoperative Monitoring**
Jeffery A. Strommen, M.D.
- 9:00 **Somatosensory Evoked Potentials**
James C. Watson, M.D.
- 10:00 Break
- 10:15 **Visual Evoked Potentials**
Jonathan L. Carter, M.D.
- 10:45 **Brainstem Auditory Evoked Responses (BAERs)**
Jonathan L. Carter, M.D.
- 11:15 **Basics of Polysomnography**
Michael H. Silber, M.B.Ch.B.
- 12:15 p.m. Lunch
- 1:30 **Evaluation of Sleep Disorders**
Michael H. Silber, M.B.Ch.B.

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- 2:30 **Evaluation of Vestibular Dysfunction**
David A. Zapala, Ph.D.
- 3:30 **Neurophysiologic Evaluation of Autonomic Disorders**
Wolfgang Singer, M.D.
- 4:30 p.m. **Adjourn**

Friday, February 27, 2015
EEG

- 7:30 a.m. Continental Breakfast
- 8:00 Introduction and Pre-test
Jerry J. Shih, M.D.
- 8:10 **Physiologic Basis of EEG and Electrical Fields**
Terrence D. Lagerlund, M.D., Ph.D.
- 8:45 **Normal EEG and Benign Variants in Adults**
Jeffrey W. Britton, M.D.
- 9:35 **Normal EEGs in Infants and Children**
Katherine C. Nickels, M.D.
- 10:25 Break
- 10:40 **Abnormal EEGs in Infants and Children**
Katherine C. Nickels, M.D.
- 11:30 **Artifacts in EEG Recordings**
Jeffrey W. Britton, M.D.
- 12:15 p.m. Lunch
- 1 :15 **EEG in Partial and Generalized Epilepsies**
Jerry J. Shih, M.D.
- 2:05 **EEG in Status Epilepticus**
Katherine H. Noe, M.D., Ph.D.
- 2:40 **Break**
- 3:00 **Breakout Sessions (Attendees will choose 3 sessions)**
- 1. Basics in EEG Interpretation and Reporting**
Approach to orderly analysis of routine EEGs
Common pitfalls for the beginning reader
Elements of a complete and useful report
Katherine H. Noe, M.D., Ph.D. and Joseph F. Drazkowski, M.D.
- 2. Advanced EEG Interpretation**
Laplacian montage and spectral analysis
Terrence D. Lagerlund, M.D. and Gregory A. Worrell, M.D., Ph.D
- 3. EEG in the Pediatric ICU**
Eric T. Payne, M.D.
- 4. EEG Reading Session – You Make the Call**
Jeffrey W. Britton, M.D. and Jerry J. Shih, M.D.
- 4:45 p.m. **Adjourn**

Saturday, February 28, 2015
EEG Monitoring and Video EEG

- 7:30 a.m. Continental Breakfast
- 8:00 **Ambulatory EEG**
William O. Tatum, D.O.
- 8:30 **Video EEG for Spells and Seizures (Adults)**
Gregory D. Cascino, M.D.
- 9:30 **Video EEG for Spells and Seizures (Pediatrics)**
Raj D. Sheth, M.D.

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- 10:30 Break
10:45 **Intracranial EEG and HFOs**
Gregory A. Worrell, M.D., Ph.D.
11:25 **Video-EEG Reading Session – You Make the Call**
Jerry J. Shih, M.D. and Morning Faculty
12:15 p.m. Lunch
1:15 **EEG in the ICU: Coma, Infections, and Encephalopathies**
Elson L. So, M.D.
2:05 **EEG Misadventures**
William O. Tatum, D.O.
2:45 **Carotid Monitoring and Wada Studies**
Joseph F. Drazkowski, M.D.
3:25 Post-test
3:45 p.m. **Adjourn**