

# Mayo Clinic Electromyography (EMG), Neuromuscular Ultrasound (NMUS), and Electroencephalography (EEG) in Clinical Practice 2027

**Ritz-Carlton, Amelia Island, FL**

**February 14 – 20, 2027**

Agenda Time are Eastern Standard Time

**Sunday, February 14, 2027**

## **EMG**

7:15 a.m.	7:45 a.m.	Registration, Exhibits & Continental Breakfast
7:45 a.m.	8:00 a.m.	Welcome Devon I. Rubin, M.D.
8:00 a.m.	8:45 a.m.	<b>Basics of Nerve Conduction Studies</b> Brian A. Crum, M.D.
8:45 a.m.	9:30 a.m.	<b>Uncommon Motor Nerve Conduction Studies, F Waves, and H Reflexes</b> Sarah E. Berini, M.D.
9:30 a.m.	10:00 a.m.	<b>Break and Exhibits</b>
10:00 a.m.	10:45 a.m.	<b>Uncommon Sensory Studies and Blink Reflexes</b> Jennifer M. Martinez-Thompson, M.D.
10:45 a.m.	11:30 a.m.	<b>Repetitive Nerve Stimulation : Physiology and Methods</b> Michael Skolka, M.D.
11:30 a.m.	12:30 p.m.	<b>Pitfalls and Technical Issues of Nerve Conduction Studies</b> Devon I. Rubin, M.D.
12:30 p.m.	1:30 p.m.	<b>Lunch</b> <b>Product Theater</b>
1:30 p.m.	5:30 p.m.	<b>Workshops – Nerve Conduction Studies (All attendees participate in every workshop)</b> Upper Extremity Motor – Common Upper Extremity Motor – Uncommon Upper Extremity Sensory Lower Extremity Motor and Sensory
5:30 p.m.		<b>Adjourn</b>

**Monday, February 15, 2027**

## **EMG**

7:30 a.m.	8:00 a.m.	Registration, Continental Breakfast, and Exhibits
8:00 a.m.	8:30 a.m.	<b>Technique of Needle Examination</b> Devon I Rubin, M.D.
8:30 a.m.	9:30 a.m.	<b>Needle EMG of Uncommon Muscles</b> Eric J. Sorenson, M.D.
9:30 a.m.	9:45 a.m.	<b>Break &amp; Exhibits</b>
9:45 a.m.	11:30 a.m.	<b>EMG Waveform Analysis: Introduction</b> Devon I. Rubin, M.D.
11:30 a.m.	12:30 p.m.	<b>Neuromuscular Ultrasound in the EMG Lab: Basic Concepts</b> Marianne Luetmer, M.D.
12:30 p.m.	1:30 p.m.	<b>Lunch (Product Theater non-cme)</b>
1:30 p.m.	5:30 p.m.	<b>Workshops – Needle EMG (All attendees participate in every workshop).</b> (LIVESTREAM PARTICIPANTS: Prerecorded Demonstrations available to watch online)

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To submit a question and respond to polls, download the **VEVOX** app or go to [vevox.app](http://vevox.app).

Join using the **VEVOX** Session ID:

		Common Upper Extremity Common Lower Extremity Uncommon Upper Extremity Neuromuscular Ultrasound of Muscle for EMG Guidance
5:30 p.m.		<b>Adjourn</b>
<b>Concurrent Session (Technician Track)</b>		
8:00 a.m.	8:45 a.m.	<b>Troubleshooting and Tips for Performing Perfect Nerve Conduction Studies</b> Jennifer Walkord
8:45 a.m.	9:30 a.m.	<b>Approach to Carpal Tunnel Syndrome</b> Rebekah Lindsey
9:30 a.m.	10:15 a.m.	<b>Approach to Ulnar Neuropathy</b> Lisa Thomas
10:15 a.m.	11:00 a.m.	<b>Approach to Peripheral Neuropathy</b> Genevive Hall
11:00 a.m.	11:30 a.m.	Q&A Panel Discussion
12:00 p.m.	1:00 p.m.	<b>Lunch</b>

### Tuesday, February 16, 2027

#### EMG Approaches to Common Disorders

7:30 a.m.	8:00 a.m.	Registration, Continental Breakfast, and Exhibits
8:00 a.m.	12:00 p.m.	<b>A Morning of EMG Waveforms: Food, Fun, and Fibrillations</b>  <b>Skill Workshop: Improving Recognition of MUP Parameters</b> Devon I. Rubin, M.D.  <b>Test your EMG Recognition Skills: Who Wants to be an Electromyographer?</b> Devon I. Rubin, M.D. and Ruple S. Laughlin, M.D.
12:00 p.m.	12:15 p.m.	<b>Pick up Lunch</b>
12:15 p.m.	1:15 p.m.	<b>Lunch (Product Theatre)</b>
1:15 p.m.	5:15 p.m.	<b>Workshop – Miscellaneous NCS. (LIVESTREAM PARTICIPANTS:</b> Prerecorded Demonstrations available to watch online) Repetitive Nerve Stimulation Single Fiber EMG Cranial Nerve and Proximal NCS (Blinks, Facial Motor NCS, Spinal Accessory, Phrenic) Neuromuscular Ultrasound of Individual Nerves and Brachial Plexus
5:15 p.m.		<b>Adjourn</b>

### Wednesday, February 17, 2027

#### EMG and Neuromuscular Ultrasound Approaches to Neuromuscular Disorders

7:30 a.m.	7:45 a.m.	Registration, Continental Breakfast, and Exhibits
7:45 a.m.	8:30 a.m.	<b>Carpal Tunnel Syndrome</b> Christopher Lamb, M.D.
8:30 a.m.	9:15 a.m.	<b>Ulnar Neuropathy</b> Ruple S. Laughlin, M.D.
9:15 a.m.	9:30 a.m.	<b>Break and Exhibits</b>
9:30 a.m.	10:30 a.m.	<b>Brachial Plexopathies</b> Devon I. Rubin, M.D.

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10:30 a.m.	11:30 a.m.	<b>Radiculopathies</b> Andre Granger, M.D.
11:30 a.m.	12:15 p.m.	<b>Fibular, Tibial, Sciatic, and Femoral Mononeuropathies</b> Julie A. Khoury, M.D.
12:15 p.m.	12:30 p.m.	<b>Pick up Lunch</b>
12:30 p.m.	1:30 p.m.	<b>Lunch (Product Theatre)</b>
1:30 pm.	4:30 p.m.	<b>Hands-on Supervised NCS and Ultrasound Skills Practice</b> (Attendees have the opportunity to practice performing NCS and neuromuscular ultrasound with faculty guidance)
4:30 p.m.		<b>Adjourn</b>

### Thursday, February 18, 2027

#### EMG and Neuromuscular Ultrasound Approaches to Neuromuscular Disorders

7:30 a.m.	7:45 a.m.	Registration, Continental Breakfast, and Exhibits
8:00 a.m.	9:00 a.m.	<b>Common, Distal Sensorimotor Peripheral Neuropathies</b> Christopher Lamb, M.D.
9:00 a.m.	10:00 a.m.	<b>Uncommon, Atypical Peripheral Neuropathies</b> Michelle Mauermann, M.D.
10:00 a.m.	10:15 a.m.	<b>Break and Exhibits</b>
10:15 a.m.	11:15 a.m.	<b>EDX Approach to Neuromuscular Junction Disorders</b> Michael Skolka, M.D.
11:15 a.m.	12:15 a.m.	<b>EDX Approach to Myopathies</b> Elliot Dimberg, M.D.
12:15 p.m.	1:00 p.m.	<b>(Lunch and Learn) Pathological Correlates of EMG Findings in Neuropathy</b> P. James B. Dyck, M.D.
1:00 p.m.	1:45 p.m.	<b>EDX Approach to Motor Neuron Diseases</b> Jaimin Shah, M.D.
1:45 p.m.	3:00 p.m.	<b>Unusual Neuromuscular Ultrasound Cases</b> James Meiling and Faculty
3:00 p.m.		<b>Adjourn</b>

### Friday, February 19, 2027

#### EEG

7:30 a.m.	8:00 a.m.	Registration, Continental Breakfast, and Exhibits
8:00 a.m.	8:20 a.m.	<b>Introduction and Pre-test</b> David B. Burkholder, M.D.
8:20 a.m.	9:00 a.m.	<b>Nuts and Bolts of EEG</b> D. Keith Starnes, M.D.
9:00 a.m.	9:20 a.m.	<b>Break and Exhibits</b>
9:20 a.m.	10:00 a.m.	<b>Normal Adult EEG</b> Jeffrey W. Britton, M.D.
10:00 a.m.	10:40 a.m.	<b>Normal Pediatric EEG</b> Katherine C. Nickels, M.D.
10:40 a.m.	11:20 a.m.	<b>EEG Session – Normal Variants</b> Jeffrey W. Britton, M.D. and Katherine C. Nickels, M.D.

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11:20 a.m.	12:00 p.m.	<b>Quantitative EEG</b> D. Keith Starnes, M.D.
12:00 p.m.	12:20 p.m.	<b>Break – pick up Lunch</b>
12:20 p.m.	1:00 p.m.	<b>(Lunch and Learn) Not Just for the Scalp: Clinical Use of Long-Term Electrocorticography</b> D. Keith Starnes, M.D.
1:00 pm.	1:40 p.m.	<b>EEG Across the Spectrum of Encephalopathy</b> David B. Burkholder, M.D.
1:40 p.m.	2:20 p.m.	<b>Artifacts in EEG</b> Brin E. Freund, M.D.
2:20 p.m.	3:00 p.m.	<b>EEG Session – Artifact or Abnormality?</b> David B. Burkholder, M.D. and Brin E. Freund, M.D.
3:00 p.m.	3:20 p.m.	<b>Break and Exhibits</b>
3:20 p.m.	4:00 p.m.	<b>EEG in Anoxic Brain Injury</b> Kelsey M. Smith, M.D.
4:00 p.m.	4:40 p.m.	<b>EEG in Status Epilepticus</b> Katherine H. Noe, M.D., Ph.D.
4:40 p.m.	5:20 p.m.	<b>EEG Session – Hospital EEG Potpourri</b> Katherine H. Noe, M.D., Ph.D. and Kelsey M. Smith, M.D.
5:20 p.m.		<b>Adjourn</b>

### Saturday, February 20, 2027

#### EEG Monitoring and Video EEG

7:30 a.m.	8:00 a.m.	Registration, Continental Breakfast, and Exhibits
8:00 a.m.	8:40 a.m.	<b>EEG in Adult Epilepsies</b> Elson L. So, M.D.
8:40 a.m.	9:20 a.m.	<b>Video EEG for Adult Seizures</b> Gregory D. Cascino, M.D.
9:20 p.m.	10:00 a.m.	<b>EEG Session – Adult Epilepsy Cases</b> Gregory D. Cascino, M.D. and Elson L. So, M.D.
10:00 a.m.	10:20 a.m.	<b>Break and Exhibits</b>
10:20 a.m.	11:00 a.m.	<b>EEG in Pediatric Epilepsies</b> Katherine C. Nickels, M.D.
11:00 a.m.	11:40 a.m.	<b>Video EEG for Pediatric Seizures</b> Fernando N. Galan, M.D.
11:40 a.m.	12:20 p.m.	<b>EEG Session – Pediatric Epilepsy Cases</b> Katherine C. Nickels, M.D. and Fernando N. Galan, M.D.
12:20 p.m.	12:40 p.m.	<b>Lunch (pick up)</b>
12:40 p.m.	1:20 p.m.	<b>(Lunch and Learn) Fellow Case Files</b> TBD
1:20 pm.	2:00 p.m.	<b>Ambulatory EEG</b> Kelsey M. Smith, M.D.
2:00 p.m.	2:40 p.m.	<b>EEG Evaluation of Seizure Mimickers</b> Joseph Draskowski, M.D.
2:40 p.m.	3:20 p.m.	<b>EEG Session – Spell or Seizure?</b> Joseph Draskowski, M.D. and Kelsey M. Smith, M.D.

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3:20 p.m.	3:30 p.m.	<b>Post-test</b> David B. Burkholder, M.D.
3:30 p.m.		<b>Adjourn</b>

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