UltraEMG Course Schedule 2014

Saturday February 8  Travel Date
5:00-6:00  Early Onsite Registration

ULTRA EMG I: Neuromuscular Emphasis
Sunday February 9  Introduction and Fundamentals

6:15am  Registration and Sign-In. Distribution of EMG Assessment
7:00  Welcome and Introduction to Course and Faculty  Strakowski
7:10  Anatomy and Terminology  Pease
7:40  EDX Instrumentation  Stålberg
8:00  Analysis of the Motor Unit Action Potential  Stålberg
8:45  Pathophysiology of Nerve Conduction Studies  Kimura
9:30  BREAK
9:45  Introduction to Neuromuscular Ultrasound  Strakowski
10:15  Ultrasound Needle Guidance for Chemodenervation and Assistance with Electrodiagnostic Techniques  Strakowski
10:45  The Needle EMG Examination  Kimura
11:15  Formal Question and Answer Period  All Faculty
11:30  Surface Anatomy Exam and Answers  Johnson/Clairmont
12:00  BREAK FOR LUNCH (on your own)
1:30  Waveform Assessment I  Clairmont
2:15  Neuromuscular Ultrasound Instrumentation  Walker
2:45  BREAK
3:00  Practice (NCS, Ultrasound, Single Fiber EMG, Injections)  All Faculty
4:30  Adjourn

Room 2:
9:45-10:30:  Workshop: Carpal tunnel nerve conduction techniques  Johnson/Pease
2:15-2:45:  Workshop: Other upper limb nerve conduction techniques  Pease/Johnson
3:00  Practice Sessions
### Monday February 10  
**Fundamentals and Peripheral Neuropathies**

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>6:45am</td>
<td>Registration and Sign-In</td>
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<tr>
<td>7:00</td>
<td>Panel Discussion: Challenging Cases - Interactive</td>
<td>All Faculty</td>
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<td>7:30</td>
<td>Late Responses: F-waves, H-reflex, Blink Reflex</td>
<td>Kimura</td>
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<td>8:15</td>
<td>Integration of EMG and Neurography</td>
<td>Stålberg</td>
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<tr>
<td>8:45</td>
<td>EDX of Generalized Peripheral Neuropathies</td>
<td>Kimura</td>
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<td>9:30</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>9:45</td>
<td>Ultrasound of Generalized Peripheral Neuropathies</td>
<td>Strakowski</td>
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<td>10:15</td>
<td>ALS, Post-Polio, Multi-focal Block</td>
<td>Stålberg</td>
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<td>11:00</td>
<td>Ultrasound in Motor Neuron Disease</td>
<td>Walker</td>
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<td>11:30</td>
<td>Electrodiagnosis in the Pediatric Population</td>
<td>Clairmont</td>
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<td>12:00</td>
<td><strong>BREAK FOR LUNCH (on your own)</strong></td>
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<tr>
<td>1:30</td>
<td>Autonomic Testing</td>
<td>Walker</td>
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<td>2:00</td>
<td>Common Sources of Error in EDx</td>
<td>Pease</td>
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<tr>
<td>2:30</td>
<td>Panel Discussion: Q&amp;A – Interactive</td>
<td>All Faculty</td>
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<td>2:45</td>
<td><strong>BREAK</strong></td>
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<td>3:00</td>
<td><strong>Practice</strong> (NCS, Ultrasound, Single Fiber EMG, Injections)</td>
<td>All Faculty</td>
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<td>4:30</td>
<td>Adjourn</td>
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**Room 2: (Monday)**

- **7:30-8:15:** Workshop: Introduction to Ultrasound Scanning and Instrumentation  
  - Walker
- **9:45-10:15:** Workshop: Lower Limb Nerve Conduction Studies  
  - Pease/Johnson
- **1:30-2:00:** Workshop: Injection Techniques for Chemodenervation  
  - Clairmont
- **3:00:** **Practice Sessions**

### Tuesday February 11  
**Movement Disorders and Myopathies**

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<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Speaker</th>
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<tr>
<td>6:45</td>
<td>Registration and sign-in</td>
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<tr>
<td>7:00</td>
<td>Panel: Challenging Cases (Submitted) - Interactive</td>
<td>All Faculty</td>
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<td>7:30</td>
<td>Botulinum Toxin for Movement Disorders</td>
<td>Clairmont</td>
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<td>8:00</td>
<td>Clinical Uses of Botulinum Toxin</td>
<td>Clairmont</td>
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<td>8:30</td>
<td>Dystonia</td>
<td>Walker</td>
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<td>9:00</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>9:15</td>
<td>EDX of Myopathies</td>
<td>Stålberg</td>
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<td>10:00</td>
<td>Ultrasound Evaluation of Muscle and Myopathies</td>
<td>Walker</td>
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10:30  Neuomuscular Junction Evaluation, Single Fiber  Stålberg
11:15  Myotonia and Myotonic Dystrophy  Kimura
11:45  Panel: Q&A - Interactive  All Faculty

12:00  BREAK FOR LUNCH (on your own)

1:30  Emerging Technologies in Neuromuscular Ultrasound  Walker
2:00  Review of the Neuromuscular Written Examination  Pease/Johnson
2:30  Review of Waveform Examination 1  Clairmont
3:00  BREAK
3:15  Practice (NCS, Ultrasound, Single Fiber EMG, Injections)  All Faculty
4:30  Adjourn

Room 2: (Tuesday)
7:30-8:15: Workshop: Ultrasound Evaluation of the Brachial Plexus  Strakowski
8:15-9:00: Workshop: Advanced Nerve Conduction Studies  Kimura
10:30-11:15 Workshop: Ultrasound of Upper Limb Entrapments  Walker
3:15  Practice Sessions

ULTRA EMG II: Musculoskeletal Emphasis
Wednesday February 12  Cranial, Neck and Shoulder Region

6:45  Registration and sign-in
7:00  Welcome –Orientation – Introduction of Faculty  Strakowski
7:15  Upper limb entrapments (Excluding CTS)  Kimura
8:00  Cervical radiculopathy- EDX  Pease
8:30  Brachial Plexopathy and Thoracic Outlet EDX  Kimura
9:00  BREAK
9:15  Introduction to Musculoskeletal Ultrasound  Strakowski
10:00  Ultrasound Evaluation of the Normal Shoulder  Jacobson
10:20  Ultrasound Live Demonstration of the Shoulder  Strakowski
10:40  Ultrasound Evaluation of Shoulder Pathology  Jacobson
11:00  Determining Motor Unit Recruitment on Needle EMG  Stålberg
11:30  Waveform Assessment II  Clairmont

12:00  BREAK FOR LUNCH (on your own)

1:30  Ultrasound Evaluation of the Brachial Plexus  Strakowski
2:00    EDx of Focal Entrapment Neuropathies About the Shoulder Pease
2:30    EDx of Cranial Neuropathies Kimura
3:00    Break
3:15    Practice (NCS, Ultrasound, Single Fiber EMG, Injections) All Faculty
4:30    Adjourn

Room 2: (Wednesday)
7:15-8:00 Workshop: MSK Ultrasound Evaluation of the Shoulder Jacobson
8:30-9:00: Workshop: Upper Limb Entrapment Neuropathies Johnson/Pease
10:00-10:45 Workshop: Facial, Blink Reflex and Other Cranial Studies Kimura
1:30-2:15 Workshop: Single Fiber and Other Needle EMG Techniques Stålberg

3:15: Practice Sessions

Thursday February 13  Carpal Tunnel Syndrome Hand and Wrist

6:45    Registration and sign-in
7:00    Panel Discussion: Challenging Cases - Interactive All Faculty
7:30    Carpal Tunnel Syndrome – Anatomy and EDX Strakowski
8:00    CTS –Inching Technique – Kimura Approach Kimura
8:30    Post-Operative CTS EDX and CTS ergonomics Pease
9:00    Ultrasound Evaluation of CTS Strakowski
9:30    BREAK
9:45    Ultrasound Evaluation of the Hand and Wrist Normals Jacobson
10:15    US LiveDemonstration of the Hand and Wrist Strakowski
10:45    Ultrasound Evaluation of Hand and Wrist Pathology Jacobson
11:15    Running an Effective Electrodiagnostic Laboratory Stålberg

12:00    BREAK FOR LUNCH (on your own)

1:30    Panel Discussion: CTS concepts – Q&A – Interactive All Faculty
2:00    EDX: Spontaneous Activity Kimura
2:45    Break
3:00    Practice (NCS, Ultrasound, Single Fiber EMG, Injections)

Room 2: (Thursday)
8:00-8:45: Workshop: US Evaluation of the Hand and Wrist Jacobson
9:45-10:30: Workshop: Nerve conduction studies for CTS Johnson/Pease
11:00-11:45: Workshop: Muscle Selection for Chemodenervation Clairmont
Friday Feb 14  Lumbar and Lower Limb EDx, Elbow and Wrap Up

6:45    Registration and Sign-In
7:00    Panel Discussion: Challenging Cases (submitted)          All Faculty
7:30    EDx of Lumbar radiculopathy                                Pease
8:00    EDx of Lumbosacral Plexus and Sciatic Nerve                Kimura
8:30    Introduction to Needle Guidance with Ultrasound            Strakowski
9:00    **BREAK**
9:15    Ultrasound of the Normal Elbow                              Jacobson
9:45    Live Ultrasound Demonstration of the Elbow                  Strakowski
10:00   Ultrasound Evaluation of Elbow Pathology                   Jacobson
10:30   EDX of Lower Limb Neuropathies                             Pease
11:15   Putting It all Together: The EDx Report                     Stålberg
11:45   Panel Discussion: Final Questions and Clinical Pearls      All Faculty

12:00   **BREAK FOR LUNCH (on your own)**

1:30    Review of the Musculoskeletal Written Examination          Pease/Johnson
2:15    Review of the Waveform Assessment II                       Clairmont
3:00    **Break**
3:15    **Final Practice** (NCS, Ultrasound, Single Fiber EMG, Injections)
4:30    Adjourn

**Room 2: (Friday)**
7:30-8:15: Workshop: MSK US Evaluation of the Elbow                Jacobson
9:15-10:00 Workshop: Lower Limb NCS                                Kimura
10:30-11:15 Workshop: Needle guidance with Ultrasound              Strakowski

3:15: **Final Practice Sessions**                                     All Faculty

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