UltraEMG Course Schedule 2015

Thursday February 19
5:00-6:00 Travel Date
Registration

UltraEMG-MSK (Musculoskeletal Emphasis)

Friday, February 20
Introduction, Fundamentals, and Evaluation of the Hip

6:15am Continental Breakfast, Registration and Sign-In.
7:00 Welcome and Introduction to Course and Faculty J. Strakowski
7:10 Anatomy and Terminology W. Pease
7:40 EDX Instrumentation I D. Dumitru
8:20 Analysis of the Motor Unit Action Potential E. Stålberg
9:00 Pathophysiology of Nerve Conduction Studies J. Kimura
9:30 BREAK
9:45 Introduction to Musculoskeletal Ultrasound J. Strakowski
10:15 Ultrasound Evaluation of the Hip – Normal Anatomy
     and Pathology J. Jacobson
10:45 EDX of LS Plexus, Sciatic Nerve, Femoral Nerve and Lateral
     Cutaneous Nerve of Thigh J. Kimura
11:15 Formal Question and Answer Period All Faculty
11:30 Practice (NCS, Ultrasound, EMG, Injections) All Faculty
12:30 pm  **BREAK FOR LUNCH** *(lunch is not provided)*

1:30   EDx of Lumbar Radiculopathy              W. Pease
2:00   Live Demonstration of Ultrasound of the Hip   J. Finnoff
2:30   **BREAK**
2:45   EMG Waveform Assessment I               A. Clairmont
3:30   **Practice Time** (NCS, Ultrasound, Injections) -Independent /Select Faculty
4:30   Adjourn

**Room 2:**

8:20-9:00 am: **Workshop:** Ultrasound of the Hip    J. Jacobson
9:45-10:30: **Workshop:** EDX Waveforms       E. Stålberg
2:00-2:30 pm: **Workshop:** Nerve conduction techniques  W. Pease/E. Johnson
3:30   **Practice Time**

**Saturday, February 21  Fundamentals, CTS and Evaluation of the Knee**

6:30am  Continental Breakfast and Sign-In
7:00   Announcements                          J. Strakowski
7:05   Waveform Generation and Identification I       D. Dumitru
7:45   The Needle EMG Examination              J. Kimura
8:15   Integration of EMG and Neurography       E. Stålberg
8:45   Carpal Tunnel Syndrome – Anatomy and EDX    J. Strakowski
9:15   **BREAK**
9:30   Ultrasound Evaluation of Carpal Tunnel Syndrome  J. Jacobson
9:50   Live Ultrasound Demonstration of the Median Nerve J. Finnoff
       at the Carpal Tunnel and Volar Wrist
10:00  Anomolous Innervation and Other Challenges in the D. Dumitru
       EDX of CTS
10:30  Challenging Cases and Question and Answer All Faculty
11:00  **Practice** (NCS, Ultrasound, Single Fiber /EMG, Injections) All Faculty

12:00 pm  **BREAK FOR LUNCH** *(lunch is not provided)*

1:30   EDX of Fibular Nerve                               W. Pease
2:00   Ultrasound Evaluation of the Knee – Normal Anatomy and Pathology   J. Jacobson
2:30   Live Ultrasound Demonstration of the Knee         J. Finnoff
3:00   Ultrasound Evaluation of Masses and Tumors       J. Jacobson
3:20   **BREAK**
3:30   **Practice Time** (NCS, Ultrasound, Injections) -Independent /Select Faculty
4:30   Adjourn
Room 2:
7:45-8:45 am: Workshop: Ultrasound of the Knee
J. Jacobson
9:30-10:00: Workshop: Muscle Selection for Chemodenervation
A. Clairmont
2:00-3:00 pm: Workshop: Nerve Conduction Techniques for CTS
W. Pease/E. Johnson
3:30: Practice Time

Sunday, February 22

Fundamentals, TTS, Injections and Evaluation of the Foot and Ankle

6:30 am  Continental Breakfast and sign-in
7:00  Announcements  J. Strakowski
7:05  Running An Effective EDX Laboratory  E. Stålberg
7:40  Assessment of Motor Unit Recruitment  D. Dumitru
8:00  EDX of Tibial Nerve  J. Kimura
8:30  Ultrasound Evaluation of the Foot and Ankle  J. Jacobson (or J. Strakowski)
9:00  Live Ultrasound Evaluation of the Foot and Ankle  J. Finnoff
9:30  BREAK
9:45  Needle Guidance with Ultrasound  J. Finnoff
10:15  EDX: Spontaneous Activity  J. Kimura
10:45  Challenging Cases and Q&A - Interactive  All Faculty
11:15  Practice (NCS, Ultrasound, EMG, Injections)  All Faculty

12:15 pm  BREAK FOR LUNCH (lunch is not provided)

1:30  Common Sources of Technical Error in EDX  D. Dumitru
2:00  Review of the UltraEMG-MSK Written Examination  W. Pease
2:45  BREAK
3:00  Review of EDX Waveform Examination 1  A. Clairmont
3:45  Practice Time (NCS, Ultrasound, Injections) -Independent /Select Faculty
4:30  Adjourn

Room 2:
7:15-8:00 am: Workshop: Ultrasound Evaluation of the Foot & Ankle
J. Jacobson (or J. Strakowski)
8:05-9:00: Workshop: Advanced Nerve Conduction Studies
D. Dumitru
1:30-2:00 pm: Workshop: US Needle Guidance with Phantoms
J. Finnoff
3:45  Practice Sessions
UltraEMG-NM (Neuromuscular Emphasis)

Monday February 23    Fundamentals, Generalized Peripheral Neuropathies and Motor Neuron Disease

6:30 am    Continental Breakfast, registration and sign-in
7:00    Welcome –Orientation – Introduction of Faculty    J. Strakowski
7:10    Late Responses: F-waves, H-reflex, A-wave, Blink Reflex    J. Kimura
8:00    EDX Instrumentation II    D. Dumitru
8:30    EDX of Neuropathy in Diabetes Mellitus, Other Diseases    J. Kimura
Mononeuritis Multiplex and Toxic Neuropathy
9:00    BREAK
9:15    EDX in AIDP/CIDP and Multi-focal Motor Neuropathy    E. Stålberg
9:45    EDX in Inherited Neuropathies    W. Pease
10:15    EDX in ALS and Post-Polio    J. Stålberg
11:00    Practice (NCS, Ultrasound, EMG, Injections)    All Faculty

12:00 pm    BREAK FOR LUNCH (lunch is not provided)

1:30    Ultrasound of Generalized Peripheral Neuropathies    Strakowski
2:00    Ultrasound in Motor Neuron Disease    Walker
2:30    EDX Waveforms II    Clairmont
3:00    BREAK
3:15    Practice Time (NCS, Ultrasound, Injections) -Independent /Select Faculty
4:30    Adjourn

Room 2
7:15-8:00 am:   Workshop: Understanding the Ultrasound Machine    F. Walker
9:45-10:15:   Workshop: Ultrasound Guided Injections with Phantoms    J. Finnoff
1:30-2:30 pm:   Workshop: Basic and Advance Nerve Conductions    W. Pease/E. Johnson
315: Practice

Tuesday February 24    Fundamentals, Myopathies, Cervical Radiculopathy and Brachial Plexus

6:30 am    Continental Breakfast and sign-in
7:00    Announcements    J. Strakowski
7:05    Waveform Generation and Identification II    D. Dumitru
7:45    EDX of Myopathies    E. Stålberg
8:30    Ultrasound Evaluation of Muscle and Myopathies    F. Walker
9:00    BREAK
9:15    EDX of Cervical Radiculopathy    W. Pease
9:45    EDX of the Brachial Plexus    J. Kimura
10:15    Ultrasound Evaluation of the Brachial Plexus    J. Strakowski
10:45  Panel Discussion: - Q&A – Interactive  All Faculty
11:15  Practice (NCS, Ultrasound, EMG, Injections)  All Faculty

12:15 pm  BREAK FOR LUNCH (lunch is not provided)

1:30  Live Ultrasound Demonstration of the Shoulder  J. Finnoff
2:00  Live Ultrasound Demonstration of Upper Limb Nerves  J. Strakowski
2:30  EDX in Pediatric Patients  A. Clairmont
3:00  BREAK
3:15  Practice Time (NCS, Ultrasound, Injections) -Independent /Select Faculty

Room 2:
7:15-8:30 am: Workshop: Concepts and Cases in Chemodenervation  A. Clairmont
9:15-9:45: Workshop: MSK Ultrasound of Shoulder  J. Finnoff
1:30-2:00 pm: Workshop: Challenging Nerve Conduction Studies  D. Dumitru
2:30-3:00 Workshop: Ultrasound of the Nerves of the upper limb  F. Walker

Wednesday Feb 25  Neuromuscular Junction Disorders, Myotonia, Ulnar Nerve and Report Assessment and Writing

6:30 am  Continental Breakfast and Sign-In
7:00  Panel Discussion: Challenging Cases (submitted)  All Faculty
7:30  Understanding Single Fiber EMG, Neuromuscular Junction Evaluation  E. Stålberg
8:15  Myotonia and Myotonic Dystrophy  J. Kimura
8:45  EDX: Late Responses Other Than F-wave  E. Stålberg
9:15  BREAK
9:30  EDX and Ultrasound of the Ulnar Nerve  J. Strakowski
10:10  Live Ultrasound Demonstration of the Ulnar Nerve and Surrounding Anatomy  J. Finnoff
10:30  Running a Successful Ultrasound Lab and Report Writing  F. Walker
11:00  Sources of Error in EDX – Interpretive  D. Dumitru
11:45  Putting It all Together – The Electrodiagnostic Report  E. Stålberg
12:15  Panel Discussion: Final Questions and Clinical Pearls  All Faculty

12:30  BREAK FOR LUNCH (lunch is not provided)

1:30  Review of the UltraEMG- NM Written Examination  Pease
2:15  Review of the Waveform Assessment II  Clairmont
3:00  Break
3:15  Final Practice Time
4:30  Course Adjourns
Room 2:
7:30-8:15 am: Workshop: Ultrasound of Lower Limb Nerves F. Walker
8:30-9:15 Workshop: Ultrasound of Elbow, Hand & Wrist J. Finnoff
3:15 pm: Final Practice Time
4:30: Course Adjourns