



Ultra EMG

February 20-25
Manchester Grand Hyatt
San Diego, California



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 at the Carpal Tunnel and Volar Wrist	J. Finnoff
10:00	Anomolous Innervation and Other Challenges in the EDX of CTS	D. Dumitru
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 (<i>lunch is not provided</i>)	
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 Mononeuritis Multiplex and Toxic Neuropathy	J. Kimura
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 (<i>lunch is not provided</i>)	
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
3:15:	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 (<i>lunch is not provided</i>)	
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 (<i>lunch is not provided</i>)	
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