

Intermediate Electroneuromyography Training Program



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Curriculum

The curriculum is designed to increase the student's clinical competency and knowledge bases in electrophysiology and assessment and implementation of sound scientific principles in the electrophysiologic evaluation of patients with multi-system disabilities.

The Intermediate Electroneuromyography Training Program offers expanded study in the skills of electrophysiologic testing and knowledge of neurophysiology, pathology and pathophysiology. The program is designed to meet the scholarly and clinical needs of the intermediate and advanced electroneuromyographer. The curriculum includes neuroanatomy, neurophysiology, electromyography, motor and sensory nerve studies, repetitive nerve studies, cranial nerve testing, pathophysiology, clinical examination skills, and case study presentations.

The program is designed for practitioners to continue professional work obligations while attending a 3-day course. The program is committed to the development of the specialist who can:

- Demonstrate proficiency in special nerve studies of the face and extremities and correctly interpret the results;
- Demonstrate proficiency in electromyography of muscles of the face, neck, tongue and shoulder girdle;
- Identify and discuss clinical presentation, clinical history, pathology and expected electrophysiologic test results for specific pathological conditions;
- Integrate current best practices into the clinical and electrophysiologic assessment for each client/patient;
- Modify practice strategies to optimize changing practice environments.

Prerequisites

- Either completion of a formal basic training program or supervised training program in electroneuromyography;
- Professional licensure as a chiropractor, nurse, occupational therapist, physical therapist, physician or physician assistant;
- Professional liability insurance;
- Minimum of 100 hours experience in electroneuromyography (minimum 80 hours of practice and 20 hours of observation).

November 1-3, 2007
(\$1,600.00)
(24 contact hours)

ENMG 310 Pathology and Electrophysiologic testing

Day 1 AM, Michael Skurja, Jr., PT, DPT, ECS

- Pre test
- Neuromuscular junction pathology (pre and post junctional) and electrophysiologic testing (repetitive nerve studies). Lecture and laboratory.
- Polyneuropathy
- Review student reports

Day 1 PM, Richard P. Nielsen, PT, DHSc, ECS

- Brachial and lumbosacral plexopathies
- Review student reports

Day 2 AM, Michael Skurja, Jr., PT, DPT, ECS

- Spinal accessory neuropathy and electrophysiologic testing to include EMG (sternocleidomastoid, upper trapezius, middle trapezius, lower trapezius, rhomboids, supraspinatus, infraspinatus and serratus anterior) and nerve study (motor XI cranial). Lecture and laboratory.
- Ulnar sensory studies across the elbow.
- Review student reports

Day 2 PM, Richard P. Nielsen, PT, DHSc, ECS

- Differentiation between a peroneal (fibular) neuropathy and a L5 radiculopathy and electrophysiologic testing to include fibular nerve study recording from the anterior tibialis and peroneal sensory studies. Lecture and laboratory.
- S1 radiculopathy
- Review student reports

Day 3 AM, Michael Skurja, Jr., PT, DPT, ECS

- Differentiation between a motor neuron disease, multifocal motor neuropathy and cervical myelopathy. Testing to include EMG of the tongue. Lecture and laboratory.
- Case report
- Review student reports

Day 3 PM, Richard P. Nielsen, PT, DHSc, ECS

- Facial neuropathy and electrophysiologic testing to include EMG (orbicularis oris, mentalis, orbicularis oculi, and frontalis) and nerve studies (motor VII cranial and Blink Reflex). Lecture and laboratory.
- Charcot-Marie Tooth disease.
- Post test