Neurosoft

Online workshop

EMG FUNDAMENTALS

September 23–25

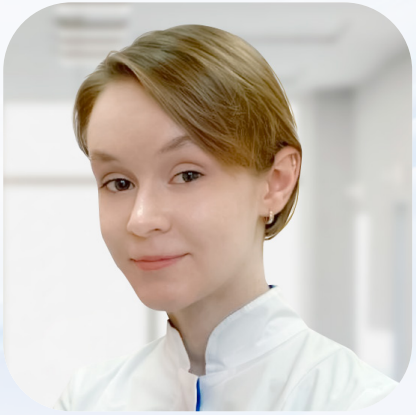
SPEAKERS

Dmitry Druzhinin

Neurologist, neurophysiologist, MD, PhD, the Head of Russian Assosiation of Clinical Neurophysiology, member of the Russian Neuromuscular Diseases society

Michael Babaev

Neurosoft EMG product manager



Anastasia Kanonirova

Neurologist, member of the European Academy of Neurology

Aleksander Chibirev

Neurologist, Neurosoft EMG medical consultant, the member of Russian Assosiation of Clinical Neurophisiology

THE FIRST DAY | 23.09

12:00–12:05	WELCOME&INTRODUCTION
12:05–13:00	NCS • general issues • electrodes placement • principles of examination • stimulation sites • major nerves (median, ulnar, peroneal, tibial, and sural nerves)
13:00–13:40	TYPES OF PERIPHERAL NERVE LESIONS ACCORDING TO EMG RESULTS axonal, demyelinating, conduction block
13:40–14:00	BREAK
14:00–14:30	MOTOR RESPONSE — PRINCIPLES OF ACQUISITION SENSORY RESPONSE — PRINCIPLES OF ORTHODROMIC AND ANTIDROMIC TECHNIQUES
14:30–15:00	LATE RESPONSES — F-WAVE, H-REFLEX
15:00–15:30	DECREMENT-TEST (REPETITIVE STIMULATION) principles of examination, neuromuscular junction testing
15:30–16:00	DISCUSSION

THE SECOND DAY | 24.09

12:00–13:00	NEEDLE EMG — ELECTRODES, ANALYSIS OF SPONTANEOUS ACTIVITY, ANALYSIS OF MUP. MAIN TYPES OF LESIONS — MYOGENIC, NEUROGENIC PATTERNS
13:00–13:30	EMG IN MOTOR NEURON DISEASE — DIAGNOSTIC ALGORITHM
13:30–13:50	BREAK
13:50–14:20	EMG IN PRIMARY MUSCULAR LESIONS — ALGORITHM, TARGET MUSCLE SELECTION
14:20–14:50	EMG IN PERIPHERAL NERVE INJURY
14:50–15:20	EMG IN POLYNEUROPATHY — DIAGNOSTIC, TYPES OF LESIONS
15:20–15:50	DISCUSSION

THE THIRD DAY | 25.09

11:00–11:30	INTRODUCTION WITH NEUROSOFT EMG
11:30–11:35	CREATING A NEW EXAM
11:35–12:35	**NCS MOTOR** (median, ulnar, tibial, peroneal nerves) **NCS SENSORY** (median, ulnar, sural, peroneal nerves) **LATE RESPONSES** — F-wave using linked test
12:35–13:00	DECREMENT-TEST (REPETITIVE STIMULATION)
13:00–13:20	BREAK
13:20–14:20	NEEDLE EMG — ASSESSMENT OF SPONTANEOUS ACTIVITY, MUP RECRUITMENT, ANALYSIS OF MUP PARAMETERS (AMPLITUDE, DURATION), PLACEMENT OF MARKERS ON MUP
14:20–14:30	CREATING A REPORT
14:30–15:00	DISCUSSION