

# Neuro-MEP-Micro

Neurosoft presents Neuro-MEP-Micro, a portable EMG and NCS system packed with specific techniques for neurophysiological assessment of external sphincter and other pelvic floor neuromuscular structures.

The device can be used in:

- urology
- coloproctology
- gynecology
- scientific studies



The system is used to perform various neurophysiological examinations of pelvic floor for diagnostic and scientific purposes, i.e.:

- bulbocavernosus and other sacral reflex tests with electrical stimulation of pudendal nerve to assess the conduction of reflex arcs (S2-S4);
- surface EMG of external sphincter and pelvic floor muscles to assess the level of tonic contraction;
- needle EMG with quantitative motor unit potential (MUP) analysis coupled with sacral reflex test to detect sacral denervation;
- stimulation EMG used with a disposable St. Mark's electrode to stimulate the distal part of pudendal nerve;
- pudendal nerve somatosensory evoked potentials (pSEPs) especially in patients with preserved sacral reflexes and hypoesthesia of perineum;
- sympathetic skin responses (SSR) recorded from perineal area to assess the conduction velocity of sympathetic unmyelinated fibers and myelinated sensory nerve fibers;
- analysis of motor evoked potentials (MEP) in perineal muscles during the cortical and sacral magnetic stimulation (the assessment of corticospinal tract conduction with recording of pelvic floor motor evoked potentials (if the magnetic stimulator is available)).



**Neurosoft**

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