

EMG/NCS

Electromyography (EMG) nerve conduction study (NCS) is an electrical test of your nerves and muscles.

What is an EMG?

An EMG test measures muscle response or electrical activity in response to a nerve's stimulation of the muscle. The test is used to help detect neuromuscular abnormalities. During the test, one or more small needles (also called electrodes) are inserted through the skin into the muscle to measure the electrical activity of the targeted muscle.

What is a NCS?

A NCS is used to assess nerve damage and dysfunction by measuring the strength and speed of electrical signals moving through your peripheral nerves.

What should I expect?

The procedure will start with a NCS by placing sticky electrodes over the targeted nerve(s). The targeted nerve(s) will be electrically stimulated and recorded. After we have finished evaluating all the nerves of interest, we will complete the study with an EMG by recording muscle responses or electrical activity with a needle electrode.

Please refrain from wearing any lotions or oils as it will delay the procedure.

Please wear clothing that will allow you to be examined easily i.e., tank tops, stretchy shirts, loose pants, or shorts.

