

Diplomate, American Board in Neurology and Special Qualification in Child Neurology  
Diplomate, American Board in Clinical Neurophysiology

# Nerve conduction and Electromyography (NCV/EMG)

EMG / NCV is a test to determine how your muscles and nerves work and if they are functioning correctly and if not, why. If the muscle is not working correctly, it must be decided whether there is a problem with the nerve or the muscle. EMG / NCV testing helps Dr. Peng decide this.

Unlike x-rays and MRI's which are static images, a NCS/EMG is one of the few tests that shows the actual function of the nerves and muscles.

**The total time for the exam is about 1 hour.**

## 1) What You Can Expect:

- a. NCV: To test the nerves, small disposable electrodes will be applied to the skin on the arms and/or legs. During the test you will feel electrical impulses on the skin and your muscles may twitch. This may be discomforting at the highest intensities.
- b. EMG: To test the muscles and their nerve supply, a sterile plastic coated wire electrode is inserted through the skin into selected muscles. This wire is a very thin needle, so you may feel some discomfort in the smallest muscles.

## 2) Before the procedure:

- a. **Please do not use lotions or creams on the day of the examination**
- b. **Wear comfortable, loose fitting clothing (Tank tops and loose shorts are the best)**
- c. Eat and take your medications as usual

## 3) When do I get results?

- a. At the same visit, Dr. Peng will discuss the result with you after completion of the test, and make recommendations for your medical management accordingly

***If you are unable to keep your appointment, please call our office as soon as possible. There will be a \$100 charge for cancelled appointment within 48 business hours.***