

Nerve Conduction Velocity and Electromyography

YOUR APPOINTMENT: _____
DATE TIME

LOCATION: CAROLINA NEUROLOGY CENTER- 50 HOSPITAL DRIVE STE 1A,
HENDERSONVILLE, NC 28792

Patient Information

- Electrodiagnostic Medicine is used to study the diseases of nerves and muscles in our bodies. The physician feels that these tests will be helpful with your treatment and diagnosis. Nerve damage can be considered localized, or systemic. These tests are conducted to determine which, if either. The physician will arrange your treatment based on the findings from the tests.

Who conducts the exam?

- Dr. Aneeta Gupta

Why is the EMG needed?

- You are being sent to the electromyography (EMG) lab because you have some/all of the following symptoms: numbness, tingling, pain, weakness, or muscle cramping. The physician is able to use the Nerve Conduction Studies (NCS) and/or the EMG test to further evaluate and treat your diagnosis. The physician will examine you to decide which tests are needed.

Nerve Conduction Studies: A NCS shows how well the body's electrical signals are traveling to a nerve. This is tested by applying small electrical shocks to the nerve and recording how the nerve works. These shocks cause a quick, mild, tingling feeling. The doctor may test several nerves.

Needle EMG (Electromyography): For this portion of the test, a small, thin needle is put in several muscles to see if there are any problems. A new needle is used for each patient and it is thrown away after the test. There may be a small amount of pain when the needle is put in. The doctor tests only the muscles necessary to decide what is wrong. The doctor will look at and listen to the electrical signals that travel from the needle to the EMG machine. The doctor then uses his medical knowledge to figure out what could be causing your problem.

How long will these tests take?

- The tests usually take 30 to 45 minutes. You may partake in activities like eating, driving, and exercising, as normal, before the tests. Post-test, activities remain continued. There are no lasting side effects.

How should I prepare for the tests?

- Notify the physician if you are taking aspirin, blood thinners (like Coumadin®), have a pacemaker, or have hemophilia. Take a bath or shower, prior to your appointment to remove oil from your skin. Do not use body lotion on the day of the test. Wear loose fitting clothing. Some patients are asked to change into a gown depending on what nerves are being tested.

When will I know the test results?

- Our physician will discuss the results with you and/or send them to your Primary Care Physician.