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MEDICAL
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What is Nerve Conduction Study and needle Electromyography (EMG) Examination?

Nerve Conduction Studies (NCS) and Electromyography (EMG) help diagnose reported symptoms of numbness, tingling, pain, weakness, or muscle cramping.

Nerve Conduction Studies can help determine how well the body's electrical signals are traveling to a nerve. During this part of the examination several nerves may be tested and small electrical stimulations are sent to the nerves to check nerve function.

Electromyography part of the test is where a small, thin needle is put in several muscles. There may be a small amount of pain when the needle is put in similar to acupuncture. The doctor performs this part of the test.

These tests will not cause any damage to nerves or muscles and are very useful in determining function and response of the nerves and muscles. Complete testing of NCS/EMG may take up to 30 minutes per limb.

Important:

- **Shower** the night before or morning before testing.
- Do not apply any lotions, oils, or perfumes on legs, feet, hand or arms.
- Leg studies: **Bring/wear shorts or loose pants that can be pulled above the knee.**
- Arm studies: **Wear a short sleeve shirt** that is able to be raised up to shoulder level.
(Deodorant is ok.)
- Be Prompt.

Note: If the doctor had ordered a Tremogram with the EMG examination this means that the doctor will be performing a time-frequency analysis of muscle tremors. This provides the doctor with additional information for your care and treatment.

If you will be more than 15 minutes late, please contact our office and request to be rescheduled. If you are unable to keep your appointment, please contact our office as soon as possible and no later than 24 hours before the testing is scheduled as others are waiting for these times.

We look forward to seeing you.