

ALABAMA NEUROLOGY AND SLEEP MEDICINE

Nerve Conduction Study

What is a nerve conduction study?

A nerve conduction study is a method of measuring how well the nerves are functioning in your extremities using small electrical pulses. Some patients will also need Electromyography (EMG) which involves putting a very fine electrode like an acupuncture needle into selected muscles to look for signs of a disorder of the muscles, or their nerve supply.

Is having a nerve conduction study safe?

Yes. However during the test, nerves are stimulated with small electrical pulses and this will cause a tapping/tingling feeling in your arm and/or fingers. Most people do not find this too uncomfortable.

If you have a cardiac pacemaker or defibrillator implanted, take Coumadin/Warfarin or other blood thinners, or have any other health concerns then please inform us before your appointment. We must obtain your consent for any procedure or treatment beforehand. If you are unsure about any aspect of the procedure or treatment proposed, please do not hesitate to ask for more information.

Preparation

- Wear a minimum amount of jewelry as rings and watches will need to be removed
- Wear loose comfortable clothing.
- Avoid using any creams or lotions as this can interfere with the recording.
- Keep your hands/feet warm, especially in cold weather.

General information

- You should continue to take your regular medications, unless told to do otherwise by your physician
- There is no radiation or (x-ray) involved with this test.
- Any further questions about how the test is performed should be asked of the technologist when you arrive for the test or you can call 205-345-3881.
- If you are unable to keep your appointment, please call 205-345-3881.