We are the region’s largest independent provider of comprehensive neuroscience care—providing complete diagnosis, education, treatment, and rehabilitation for individuals with diseases and injuries of the nervous system.

Our multidisciplinary team utilizes state-of-the-art technology and integrated services for optimal care.

- Neurology
- Neurosurgery
- Interventional Pain Management
- PM&R / Rehabilitation
- Rheumatology
- Research
- Behavioral Medicine
- Infusion Therapy
- MRI & EEG

www.RiverhillsNeuro.com

EMG & NCV
Tests

LOCATIONS

Norwood
4805 Montgomery Rd.
Cincinnati, OH 45212
(513) 241-2370

Crestview Hills
320 Thomas More Parkway
Crestview Hills, KY 41017
(859) 341-4266

Anderson
7661 Beechmont Ave.
Suite 130
Cincinnati, OH 45255
(513) 624-6031

West
3301 Mercy Health Blvd.
Suite 325
Cincinnati, OH 45211
(513) 451-6200

EMG & NCV Scheduling:
(513) 612-1111

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About Your Test
Doctors order EMG and NCV tests to determine if there is any damage to the nerves that could account for your symptoms. For example, these tests are commonly ordered to look for injury from nerve compression in the neck, lower back or at the wrist (carpal tunnel syndrome).

NCV - Nerve Conduction Velocity
Small metal electrodes are taped to the skin and the nerve is stimulated by a small electric impulse. This lasts a very short time, such as 1/1000 of a second. The stimulus is slightly stronger than the electric static shock from touching a door knob after walking across a carpet.

EMG - Electromyography
If the nerve to a muscle is damaged, the muscle shows abnormal electrical activity. A few muscle diseases as well can be detected by this test. A small Teflon coated wire pin electrode is placed in the muscle to record the activity. There is minimal discomfort with the procedure. Because the wire is so thin, there is almost no risk of bleeding or infection.

How should I prepare?
These tests can be performed under almost any medical condition. If you have a pacemaker or are on blood thinners, please let the doctor know at the time of the test. You can take all of your medications before and after the test. The test does not prevent you from driving.

Please have your skin free of dirt and oils. Do not apply lotion before the test.

On cold days, it is best to arrive early. It is better if the tested area is warm. If possible, wear casual clothing, as you may need to change into a gown before the test.

If you are unable to make it to your test on time, please call. The test can always be re-scheduled. The test generally takes 15-45 minutes, but it may be difficult to start the test late if another patient is scheduled immediately afterward.

How will I pay for my test?
This test is routine and is covered by any standard insurance. A small number of insurance plans require a referral from your family doctor. Please check referral requirements with your insurer or with the person who schedules your test.

When will I learn my results?
Your doctor will discuss your results on your return visit. This test is only one piece of information which he/she will need to put together with the other details of your case.

Please Note...
Only the doctor and the patient will be in the testing room. Please do not bring small children who cannot wait alone in the waiting room. The patient will return to the waiting area at the completion of the test.

Please call ahead if you need any special accommodations.

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