



## CONTACT US

**McLaren Greater Lansing  
Neurodiagnostics Center**  
Phone: (517) 975-2935

Patients can expect their first appointment to be within one week of the referral form being completed and sent. Preliminary test results are available within 48 hours of the test being performed.

## NEURODIAGNOSTICS: EMG, NCS, AND EEG TESTING

**Needle Electromyography (EMG)** measures muscle response or electrical activity in response to needle evaluation of the muscle.

**Nerve Conduction Studies (NCS)** uses a series of surface electrodes placed along specific peripheral nerves. The information from these tests is used to help identify neuromuscular abnormalities.

### Conditions – EMG & NCS

Neurodiagnostic tests can be used to identify a variety of underlying pathologic processes. Some disorders that may be discovered could include carpal tunnel syndrome, neuropathy, amyotrophic lateral sclerosis, Guillain-Barré syndrome, muscular dystrophy, brachial plexopathy, cervical and lumbar radiculopathy, myasthenia gravis, radiculopathy, and peripheral polyneuropathy.

**Electroencephalogram (EEG)** can detect abnormalities in the brain waves, or electrical activity of the brain, and is most commonly used to show the type and location of the activity in the brain during a seizure. During the procedure, electrodes consisting of small discs with thin wires are pasted onto the scalp.

### Conditions – EEG

EEG may be used to evaluate several types of brain disorders which include seizures, syncope, narcolepsy, and brain lesions resulting from tumors or stroke. EEG can also be used to evaluate the extent of brain damage following trauma, drug intoxication or patients who are comatose.

McLaren Orthopedic Hospital  
2727 S. Pennsylvania Ave.  
Lansing, MI 48910  
Fax: (517) 975-2934

Outpatient EMG testing is available Monday – Friday and can be scheduled by calling or faxing our EMG clinic.

McLaren Greater Lansing  
Greenlawn Campus  
401 W. Greenlawn Ave.  
Lansing, MI 48910

Outpatient EEG testing is provided Tuesday – Friday and can be scheduled by faxing a referral to our central scheduling department at (517) 975-2909.



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