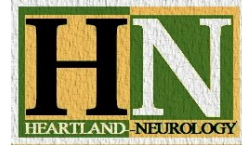


## HEARTLAND NEUROLOGY

Serving Mid-Missouri for the last 20 years. Offices in Columbia, Mexico, Moberly and Macon.

Nerve Conduction Study and EMG are conducted by Dr. Khan, a Board Certified Neurologist with experience of more than 20 years. Dr. Khan received his neurology training at Northwestern University in Chicago, IL.



## HEARTLAND NEUROLOGY

**Columbia**

**Macon**

**Mexico**

**Moberly**



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[www.heartland-neurology.com](http://www.heartland-neurology.com)

## EMG & Nerve Conduction Study



*Information  
Brochure*

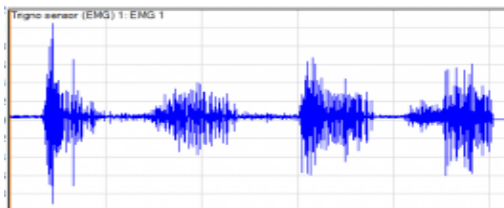
## Heartland Neurology

## *What is NCV and EMG*

**Nerve conduction study (NCS) or Nerve conduction velocity (NCV)** checks how quickly impulses travel between nerves. Small metal disks, called recording electrodes, are attached to the skin. This could be on an arm, leg or another part of the body. Mild electrical currents are delivered from the machine through a pair of electrodes attached not far away from the recording electrodes. These stimuli feel like a small shock (as a pinch or tingling) and are almost always well tolerated. The amount of the electrical current is always kept at a safe level. Two or more nerves may be tested during this procedure.



**Electromyography (EMG)** assesses muscle function. No electric current is used in this examination. The physician uses a very thin, fine needle about one-and-a-quarter inches long that is attached to the EMG machine. The skin is cleansed with an alcohol wipe and then the needle is inserted into the relaxed muscle to be evaluated. A pinch or a sting may be felt as needle is inserted through the skin. Most patients describe the discomfort as mild. It will record the muscle activity and can be heard as static on the EMG machine. The person being examined will be asked to tighten the muscles to also evaluate them at work.



EMG and Nerve Conduction Studies are performed at four locations—**Columbia, Moberly, Mexico** and **Macon**. All tests are personally conducted by Dr. Khan & in most cases the results are immediately available and discussed with the patient. Results are forwarded to the referring provider, in most cases on the same day.

## **Heartland Neurology, LLC**

To schedule a NCV/EMG test at any of the offices please call at:

**660-263-4434**

### **Moberly Office**

1513 Union Avenue, Ste 2800  
Moberly, MO 65270

### **Columbia Office**

2800 Forum Blvd, Ste 1  
Columbia, MO 65203

### **Macon Office**

1706 Prospect Dr.  
Macon, MO 63552

### **Mexico Office**

809 Medical Park Dr # 103,  
Mexico, MO 65265

[www.heartland-neurology.com](http://www.heartland-neurology.com)