



GAINESVILLE NEUROLOGY GROUP, LLC

1240 JESSE JEWELL PARKWAY SE
SUITE 400
GAINESVILLE, GA 30501

Phone 770.534.1117
Appointment Line 770.534.7885
Fax 770.503.7285

www.gainesvilleneurology.com

EMG/NCVs
EEG
CHEMODENERVATION (BOTOX)
HEADACHE
EPILEPSY
STROKE
NEUROMUSCULAR DISEASE
DEMENTIA
MOVEMENT DISORDERS
SLEEP DISORDERS
*SLEEP APNEA
*NARCOLEPSY
*INSOMNIA

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EMG TESTING OVERVIEW AND PREPARATION GUIDE

TEST OVERVIEW

Nerves control the muscles in the body using electrical impulse. Whenever a muscle contracts (tenses up), in response to a signal from the brain it also produces an electrical discharge of its own.

Electromyography (EMG) measures the electrical discharges made by the muscles. Nerve conduction studies (nerve conduction velocity) measures how well individual nerves can transmit electrical signals. Measuring the electrical activity in muscles and nerves can help detect presence, location, and extent of diseases that can damage muscles and nerves. The actual site of nerve damage can often be located. EMG and nerve conduction studies are often done together to provide more complete information.

WHY IT IS DONE

Electromyography is done to:

Help diagnose problems that damage muscles tissue, nerves, or the junctions between nerve and muscle.

Nerve conduction studies are done to:

Detect and evaluate damage to the peripheral nervous system (which includes all the nerves that lead away from the brain and spinal cord and the smaller nerves that branch out from those nerves.)

Identify the cause of abnormal sensations such as numbness, tingling or pain.

HOW TO PREPARE

Tell your doctor if you:

Are taking any medications. Certain medications can interfere with EMG results.

Have had bleeding problems or are taking medications that thin the blood.

Are wearing a pacemaker or defibrillator.

You do not need to restrict your foods or fluids.

LOTIONS INTERFERE WITH THE STUDY, PLEASE DO NOT

WEAR LOTION ON THE DAY OF YOUR TEST!

PLEASE WEAR A LOOSE FITTING SHIRT IF YOU ARE HAVING AN UPPER EMG ON YOUR UPPER EXTREMITIES.

PLEASE BRING/WEAR SHORTS IF YOU ARE HAVING A LOWER EMG ON YOUR LOWER EXTREMITIES.

APPT DATE: _____ APPT. TIME: _____
(IF UNABLE TO KEEP THE ABOVE APPOINTMENT, PLEASE GIVE 48 HOUR NOTICE)