



NEUROCARE
OF NEVADA

6410 Medical Center St., Ste. A
Las Vegas, NV 89148
PH: (702) 796-8500 / FX: (702) 796-8502

Gobinder S. Chopra MD

Board Certified in Neurology
Board Certified in Neurophysiology
Board Certified in Traumatic Brain Injury (TBI) Medicine
Board Certified IME
Certified Disability Examiner

Scheduled on: _____ @ _____

Electroencephalogram (EEG)

An EEG measures the brain's electrical activity (brain waves). An EEG may be used to diagnose and monitor seizure activity or to help evaluate brain tumors and other neurological conditions.

How to Prepare

(NO CHILDREN PLEASE)

Please arrive on time. If you are more than 10 minutes late you will be rescheduled.

- Because you will be sleep-deprived, a driver is recommended, **but** during the test, only the patient will be allowed in the testing room.
- The evening before or morning of your appointment, wash and dry your hair, but do not apply any spray, oil, mousse, or cream.
- If you are a smoker, please refrain from smoking **that day** until after testing.
- **No braids, hair extensions, toupee, wigs, earrings or anything covering the scalp.**

If “Sleep Deprived EEG” is ordered:

- Sleep only four hours the night before this test. Sleeping for only a few hours will help ensure that you fall asleep during the test and enable your physician to study your brain's electrical activity. (If scheduled for afternoon appointment sleep accordingly)
- Unless your physician tells you otherwise, take your regular medication as scheduled.
- Check with technician if taking sedatives, muscle relaxers, vallum or ativan.
- On the day of the test, eat regular meals, but do not consume coffee, tea, chocolate, or other products containing caffeine.

What to expect: A Technician will place 20 to 27 small electrodes on your scalp with a paste-like adhesive. You might be asked to breathe rapidly or look at a flashing light. You will then be asked to lie quietly or sleep, if possible, in a recliner chair or bed while equipment connected to the electrodes records your brain's electrical activity. An EEG is painless and takes approximately 60 to 120 minutes to complete.

Aftercare: Please bring a cap, scarf, or brush with you. The technician uses a type of wax to attach electrodes to your head so your hair may be messy afterward. You may want to go directly home to shampoo your hair to remove any excess of electrode paste. You may resume your normal activities immediately after testing. You must schedule a follow up appointment for these results. Results are usually available in one week.

REMINDER: ALL RESCHEDULING OR CANCELLATIONS MUST BE MADE AT LEAST 72 HOURS IN ADVANCE THERE WILL BE A \$50 CHARGE FOR NO SHOW OR LAST-MINUTE CANCELLATION.

PLEASE ARRIVE 15 MINUTES PRIOR TO YOUR APPOINTMENT TIME.



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NCV Scheduled on: _____ @ _____

EMG Scheduled on: _____ @ _____

Electromyography (EMG) and Nerve Conduction Velocity (NCV)

Electrical currents in your organs and tissue control many of your bodily functions. Nerve Conduction Velocity (NCV) and Electromyography (EMG) tests record these electrical currents, helping Physicians diagnose nerve and muscle problems. The NCV, which measures the speed at which your nerves carry electrical signals, will be performed with the EMG, which analyzes the nerve impulses within certain muscles.

How to Prepare

(NO CHILDREN PLEASE)

Please arrive on time. If you are more than 10 minutes late you will be rescheduled.

- Please do not apply lotions/oils to your skin on the day of your exam. But please apply deodorant.
- You may eat, drink and remain active as usual right up to the time of your appointment.
- If you are a smoker we ask that you refrain from smoking until after testing.

Please notify the Doctor, or the tech performing the test, immediately if you are taking any blood-thinning medications such as Coumadin, Warfarin or Lovenox. Your dosage may need to be adjusted prior to scheduling the NCV and EMG.

**ONLY YOUR PCP (OR DOCTOR WHO PRESCRIBED IT)
CAN ADJUST/STOP YOUR MEDICATION FOR THIS TEST. CALL THEM TODAY!!**

What to expect: Once you are settled into your room, you may be asked to disrobe and put on a hospital gown and shorts for this examination. The EMG portion is performed by Dr. Chopra. He will gently insert a thin, sterile needle electrode into each muscle to be studied. You may experience a brief, sharp pain each time a needle is inserted. A fine wire that leads from each needle to a computerized instrument will measure the nerve impulses. Doctor may ask you to move into different positions so that he can evaluate how specific muscles respond.

The NCV portion is performed by one of our Technicians. They will attach small electrodes to your skin along each nerve to be tested. They will also use a small instrument that will send an electrical current under the electrodes along the nerve, creating a mild shock. You will experience minor discomfort for only a few seconds. Computerized equipment will record how quickly the current passes between the electrodes.

The NCV takes approximately 60 minutes and EMG takes approximately 20 minutes to complete, depending on how many of your nerves and muscles are tested. You may experience some soreness for a few hours after the exams.

Aftercare: Feel free to resume your normal activities upon completion of test. The results are usually available within one week. You must schedule a follow up appointment for these results.

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Evoked Potentials

Evoked Potentials, sometimes called Evoked Responses, are tests that record the brain's response to sound, touch, or light. These tests help to evaluate a number of neurological conditions.

How to Prepare

(NO CHILDREN PLEASE)

Please arrive on time. If you are more than 10 minutes late you will be rescheduled.

- The evening before or morning of your appointment, wash and dry your hair, but do not apply any spray, oil, mousse, or cream.
- Please do not wear perfume or apply lotions or oils to your skin.
- If you have contact lenses, glasses, or a hearing aid, please wear them for this test.
- You may eat and drink as usual and remain active right up until the time of your appointment.

What to expect: For each of these tests, a Technologist will use a toothpaste-like gel to position and apply small electrodes to your scalp, in some cases, on your earlobes, neck, shoulders, and back. The electrodes will be attached to equipment that records your brain's responses to certain stimuli. Each test takes approximately 45 to 60 minutes to perform and is painless, safe and performed with little to no discomfort.

Brainstem Auditory Evoked Potential (BAER)

Brainstem Auditory Evoked Potential Check the pathway from the ear to the brain. The BAER test may help uncover the cause of hearing and balance problems, and other symptoms.

BAER Scheduled on: _____ @ _____

Somatosensory Evoked Potential (SSEP)

Somatosensory Evoked Potential (SSEP) Check the pathway from the nerves in the limbs to the brain. It is a way to study the function of the nerves, the spinal cord and brain.

SSEP Scheduled on: _____ @ _____

Visual Evoked Potential (VEP)

Visual Evoked Potentials (VEP) Check the pathway from the eyes to the brain. It may help to find the cause of certain vision problems and other conditions.

VEP Scheduled on: _____ @ _____

Aftercare: You may resume your normal activities immediately after testing. You must schedule a follow up appointment for these results. Results are usually available in one week.

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PATIENT MUST HAVE A DRIVER FOR THIS TEST

Vestibular Nystagmogram (VNG)

An Vestibular Nystagmogram (VNG) is a test that measures involuntary rapid eye movements. VNG evaluates how well your eyes, inner ears, and brain maintain your balance. During the test, eye movements are recorded by a special video camera attached to goggles. A computer then analyzes the eye movements and provides information about the messages the inner ear is sending to control the movements of eyes through the central nervous system.

How to Prepare

You **must** have a driver (or test will be rescheduled). You may become too dizzy to drive. Do not take sedatives, muscle relaxers, or medications for vertigo/dizziness 48 hours before test. Do not wear eye makeup (eyeliner, mascara, eye shadow), false lashes, or lash extensions. If you are a contact wearer, please bring your contact case with solution or wear your glasses on the day of your test. Contacts have to come out for the test and you are responsible for storage. If you have a sinus infection, ear infection, allergies (hay fever), or any cold related symptoms, please call to reschedule test.

What to expect: A technician will place goggles over your eyes and readings will be taken as you perform a series of visual tasks such as following light. You will perform part of the test sitting in a chair and part lying down on a table. You will be asked to move your body and your head in different positions. You will also have cool and warm air blown into your ears which can cause you to become fatigued, dizzy, or mildly nauseated during the test. These effects are temporary.

Aftercare: You must schedule a follow up appointment for these results. Results are usually available within one week.

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