

ADVANCED EAR, NOSE & THROAT CARE, P.C.

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Electrodiagnostic Test Instructions

An appointment has been made for you to have a test of your balance mechanism. Please note that due to extensive time allowed for the testing, We need 24 hours notice if you are canceling or a \$75.00 no-show fee will be added to your account.

Your doctor has ordered specialized testing to help diagnose and most properly treat you. It is important to understand that the time reserved for you to provide these tests is in high demand and not always easy to schedule. Therefore, we request your cooperation in keeping your appointment or giving us ample notice if you need to reschedule.

There is no preparation necessary for these examinations.

You have been scheduled for the following tests (a description of each appears below):

_____ BSER (Brainstem Evoked Response)

_____ ECOG (ElectroCochleography)

_____ OAE (Otoacoustic Emissions)

Descriptions of Electrodiagnostic Testing:

BSER (Brainstem Evoked Response)

Information from the ear (hearing or balance centers) travels from the ear to the brain by the auditory nerve. The BSER allows us to check the integrity of the nerve function. Sounds are presented to each ear through small earphones, and a recording is made of the brainwave response. Brainwaves are detected by using four small leads. You will not need to respond in any manner, but simply relax with your eyes closed.

ECOG (Electrocochleography)

The cochlea is the inner ear, where the hearing nerves are. ECOG allows us to look at the function of these nerves. Similar to the BSER, recordings are made of the responses to sound, but the sounds are created differently, and we are looking at a very specific part of the response. We use four leads for the recording, including the forehead, but the leads to the ears are coupled to the small earphones placed at the entrance to the ear canal.

OAE (Otoacoustic Emissions)

OAEs are another form of test that evaluates the function of the inner ear nerves. A small earplug is placed at the entrance to the ear canal, and calibrated sounds are produced. The inner ear itself produces its own sounds in response, which can change based on its health, and are picked up by a very sensitive microphone. It is done as a pre-test to the other diagnostic tests, taking less than 5 minutes.

Please allow 5 business days for results to be analyzed, reviewed and reported to you

Thank you for your cooperation!

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