



## **ELECTROCOCHLEOGRAPHY (ECOG)**

An electrocochleography (ECOG) is a diagnostic test, usually used in a battery of other tests (VNG, VEMP, hearing test), to help identify the origin of dizziness and balance disorders in an individual. The ECOG is most often used to determine if the inner ear has an excessive amount of fluid pressure, which can cause symptoms such as hearing loss, aural fullness, dizziness, and/or tinnitus.

The ECOG is completed by recording and measuring neural responses while loud clicking sounds are played in each ear. To prepare the individual for testing, the tester will clean the skin of the forehead and openings of each ear. A small surface electrode will be placed on the forehead while earphones with a metallic covering will be placed in each ear. The individual will be asked to make themselves comfortable, lie still, and close their eyes while a series of fairly loud clicks are played in each ear. A computer will record the responses from each electrode in reaction to the clicking sound. Therefore, the individual does not need to respond to the sounds when they hear them. Any movement or tension can slow down the testing process, thus it is very important to be relaxed and comfortable during this test.

The audiologist will analyze the results and send a report to the referring physician.

It is requested that individuals who are to be tested refrain from applying lotions, foundation, or any other solutions to the face prior to testing. These substances can interfere with testing reliability.

If you have any questions regarding the test itself or the test instructions, please call our office at (972) 566-7359.

Appointment Date: \_\_\_\_\_ Time: \_\_\_\_\_

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