

CENTRAL OHIO EAR, NOSE AND THROAT, INC.

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Hearing and Balance Testing

Audiologic Testing

Audiologic testing requires the use of specialized equipment to obtain accurate results regarding hearing loss. These tests are typically conducted in sound-attenuated rooms with calibrated equipment. Immitance testing assesses the function of the ear drum and middle ear while Audiometric testing determines the type and degree of hearing loss.

Auditory Brainstem Response (ABR) Testing

ABR testing is a screening test used to evaluate the functioning of the auditory nerve and brainstem. It is most commonly utilized for asymmetrical hearing loss, unilateral tinnitus, or to objectively determine the hearing status in young children and some adults.

Vestibular Evaluation

Electronystagmography (ENG or VNG) testing is utilized in the diagnosis of balance disorders. It is a localizing study that identifies the potential cause of dizziness, which can include the central nervous system, brainstem, or the peripheral portion of the inner ear.

Otoacoustic Emissions (OAE) Testing

OAE's are a physiologic test that measures the function of the outer hair cells in the cochlea (organ of hearing). This test is often used in conjunction with other testing for investigation of noise exposure, retrocochlear pathologies, newborn infant hearing screenings, and ototoxic medication monitoring.