



HEARING AND BALANCE CENTRES

Complete Solutions For Your Ear Care

Thornhill	905-597-6222	Kitchener-Waterloo	519-208-2522
Mississauga	905-273-3233	Midland	705-245-3222
Scarborough	647-748-2999	Ajax	289-608-8440
East York	416-469-6580 x6256	Vaughan	289-963-1644

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Quick Comprehensive Guide to Audiological Testing

SYMPTOMS	TESTS	DETAILS
Difficulty hearing in any situation, routine screening for patients over 50 years old, family history of hearing loss, trauma/injury to the ear, congenital syndromes (autism, Down syndrome...)	Hearing test	Standard comprehensive assessment includes: <ul style="list-style-type: none"> • Pure tone audiometry • Speech audiometry • Middle ear assessment • Recommendations for next steps • Implementation of clinical management, including where appropriate, a hearing aid trial (please advise if medical contraindications)
Sudden hearing loss in one or both ears	Hearing test immediately and ABR	If required, urgent ENT assessment should be arranged with your permission
Known hearing loss affecting communication and daily activities	Hearing test and hearing aid evaluation (HAE)	Includes comprehensive assessment and an unbiased professional hearing aid recommendation
Repeated ear infection	Hearing test	Determines if there is any fluid in the middle ear. If fluid found, an ENT assessment should be arranged with your permission.
Children with speech delay or if newborn screening was missed	Hearing test	Soundfield / VRA Play audiometry
Learning difficulties	Central auditory processing assessment (CAP)	Comprehensive assessment of hearing, middle ear analysis, and auditory processing. Detailed recommendations provided for the family and teachers.
Tinnitus (ringing in the ears) Assessment	Tinnitus assessment includes: <ul style="list-style-type: none"> • Hearing test • Pitch/loudness match • ABR and VEMP to rule out retrocochlear pathology • Otoacoustic emissions (OAE) 	Determines whether medical intervention or tinnitus treatment is required. The provision of information and coping strategies is usually enough to alleviate concern or the need to progress to treatment.
Tinnitus (ringing in the ears) Management	Explanation of individual results and hearing loss and tinnitus. Counselling and TRT	<ul style="list-style-type: none"> • Explanation of individual results and guidance provided • Education about hearing loss and tinnitus • Hearing aids and/or sound generators may be recommended • Counselling and tinnitus rehabilitation therapy (TRT)
Tinnitus, asymmetric hearing loss, blocked feeling or pressure in the ears	Hearing test/ABR/EcochG	Determines whether further medical intervention is required

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SYMPTOMS	TESTS	DETAILS
Dizziness, vertigo or disequilibrium, post-concussion assessment	Hearing test + Balance testing (VNG/VAT/VEMP/vHIT)	Comprehensive hearing test and balance assessment to determine site of lesion and to make recommendations for further medical management or rehabilitation.
<ul style="list-style-type: none"> • Suspected Meniere's Disease (Endolymphatic Hydrops) or perilymph fistula • Drop attacks • Hearing loss with tinnitus and dizziness • Dizziness with pressure in the ear(s) • Migranous vertigo 	Hearing test + Balance testing (VNG/VAT/VEMP/vHIT) + EcochG	Complete assessment for Meniere's disease (Endolymphatic Hydrops) or a Perilymph Fistula. May need further medical management or Vestibular Rehabilitation Therapy.
Recurrent dizziness of unknown origin	Complete dizzy test battery including hearing test, ABR, EcochG and balance tests	Comprehensive assessment of hearing and balance system
Recurrent dizziness with imbalance and normal vestibular functions	Computerized Dynamic Posturography (CDP)	Assess functional aspects of disability and help in planning management (VRT)
Suspicion of malingering/long term insurance claims with indescribable dizziness and balance disorder	Computerized Dynamic Posturography (CDP)	One of the most important tests to determine malingering.
Chronic dizziness related to vestibular disorders	Vestibular Rehabilitation Therapy (VRT)	Assessment of extent of disorder, functional assessment (CDP) and rehab

ABR - Auditory Brainstem Response
 CAP - Central Auditory Processing
 CDP - Computerized Dynamic Posturography (CDP)
 EcochG - Electrocochleography
 ENG - Electronystagmography
 HAE - Hearing Aid Evaluation
 OAE - Otoacoustic Emissions
 SF - Soundfield

TRT - Tinnitus Rehabilitation Therapy
 VAT - Vestibular Autorotation Test
 VEMP - Vestibular Evoked Myogenic Potentials (Cervical/Ocular)
 vHIT - video Head Impulse Test
 VNG - Videonystagmography
 VRA - Visual Reinforcement Audiometry
 VRT - Vestibular Rehabilitation Therapy

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