

# AUDIOLOGY



**Aster**  
**HOSPITAL**

We'll Treat You Well



Digital Version



At our Audiology department, we treat hearing loss and related auditory problems in individuals of all ages. This clinic work in close cooperation with the ENT department to provide diagnostic and Electro physiologic tests for patients with any degree of hearing loss or communicative impairment.

With our expertise in hearing evaluation and rehabilitation, are dedicated and committed to provide quality care for patients. We believe that untreated hearing loss affects all aspects of your life, from medical expense to your relationships. There is a great satisfaction as we give them an understanding of their hearing loss and while guiding them through the amplification options. The effects of hearing loss and denying the problem have negative consequences including isolation, anger and depression. Don't Delay - take action today!

#### AUDIOLOGY SERVICES INCLUDE

##### Pure tone audiometry

It's a test to identify the hearing threshold levels of an individual using pure tones in sound treated room. It enables the determination of degree, type and configuration of a hearing loss. Special tests to differentiate between cochlear and retro cochlear pathology.

##### Speech audiometry

Speech sounds are used to determine the speech awareness scores, speech detection threshold and speech discrimination scores in order to assess how well they hear speech sounds. It can determine proper gain and maximum output of hearing aids.

##### Tympanometry

Also known as acoustic immittance, Objective test to find out functioning of middle ear and to diagnose for middle ear pathologies. Used for differential diagnosis of various middle, inner & outer ear disorders.

- Acoustic Reflexes – Used to know the functioning of the auditory reflex pathway
- Eustachian Tube Test – To know the functioning of Eustachian tube.

Newborn screening using Oto Acoustic Emissions (OAE screener) It is done on newborn babies for the early detection of hearing loss.



##### DIAGNOSTIC OTO ACOUSTIC EMISSIONS (OAE)

This test is used is used to test the function of the cochlea, specifically outer hair cell function and other parts of the ear including auditory nerve.

##### AUDITORY BRAINSTEM RESPONSE (ABR)

This test is done to quantify the hearing status of the children and adults. This test requires the person to sleep quietly and it takes 30 to 45 minutes. This test is done under sedation for children. ABR will help the clinician to record the hearing status without the cooperation of the child or adults thereby improving the efficiency of hearing evaluation.

Electro Cochleography is also available for Menieres Disease.

##### AUDITORY STEADY STATE RESPONSE (ASSR)

It's a test used for evaluation of hearing ability in children. It's essential in the management of children with hearing loss. Results are obtained by measuring brain activity while the person listens to tones of varying intensity and frequency.



PLEASE SCAN FOR  
THE LOCATION

# Aster HOSPITAL

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## DEPARTMENTS

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