

# How Hearing Tests Are Performed With Newborns

## Contact Points



Nurse, Midwife



Baby's Doctor



ENT Specialist,  
Audiologist

1-3 out of 1,000  
babies are born with  
hearing loss

## Screening Situation

As Newborn Hearing Screening is an objective hearing test method where no interaction is needed testing can be performed stress-free while newborn is sleeping.



## Why is a Hearing Test Important for Newborns?



Speech & Language  
Development



Personal & Social  
Development

## Test Methods

### OAE – Otoacoustic Emissions

OAE are very soft sounds which are generated in the cochlea (inner ear) in response to a sound stimulus. They are used to determine the health of the inner ear as they disappear when the inner ear has been damaged.

### AABR – Automated Auditory Brainstem Response

Analyzes with electrodes the neural activity from the auditory nerve to the lower brainstem noninvasively. Transduction of sounds into electrical activity and its processing by the auditory brainstem are measured. Potential lesions on the auditory pathway can be detected.

