



The comprehensive approach to infant hearing assessment

Screening newborns for potential hearing loss is rapidly becoming the rule rather than the exception. And that means there is a growing demand for follow-up testing and intervention for those infants who are suspected of having a hearing loss.

Leading health organizations recommend a battery of follow-up tests, including auditory brainstem response (ABR), auditory steady-state responses (ASSR), otoacoustic emissions (OAE) and multi-frequency immittance tests.

A complete pediatric solution

Seamlessly integrated EP and ASSR software

Instant toggle between EP and ASSR

Proven RapidASSR™ response detection algorithm

Total control of test parameters

Automated Quick Search algorithm for shorter tests

Includes PediABR protocols

Integrated CHARTR database

ICS CHARTR EP with ASSR

GN Otometrics supports this multi-modality approach to audiologic evaluation with the latest technology that enables true integration in diagnostic testing, intervention and follow-up services. By combining MADSEN AccuScreen with ICS CHARTR EP with ASSR, MADSEN Capella OAE and MADSEN OTOflex 100 immittance unit, we can provide you with the complete solution from screening to final assessment.

PediABR

PediABR is integrated within CHARTR EP and allows for fast accurate assessment of a baby's hearing. Linked protocols and baby-sensitive features allow for quicker testing.

PediScreen and PediBone

Perform a quick screening ABR using PediScreen to verify initial results. If the baby fails, move on to gather more specific information with PediBone, which enables bone-conducted testing to determine if a conductive component has caused the failed screening.

PediTone and PediGram

If the hearing loss is not conductive, PediTone can determine frequency-specific thresholds in the range of 250-8000 Hz (in dB nHL). A single mouse click labels the waveforms and PediGram plots the data on a frequency/intensity graph similar to an audiogram.

ASSR

ASSR is a simple, fast and accurate measurement tool for objectively evaluating ear-specific, frequency-specific hearing in infants. The automated ASSR Quick Search protocol allows the user to obtain an audiogram more quickly than with other diagnostic tools, a feature that is extremely important when diagnosing babies.



ASSR highlights:

- 8 frequencies tested simultaneously
- Proven RapidASSR™ response detection algorithm
- Efficient search methods - Quick Search and Straight Descent
- User-adjustable parameters
- Integrated platforms for VNG/ENG

