

LISTEN FROM EAR TO EAR TIPS OF THE MONTH

July/August

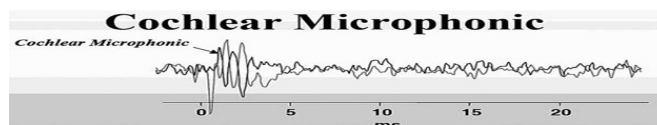
Issue XI

NEWBORN HEARING
SCREENING PROGRAM

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What is Auditory Neuropathy Spectrum Disorder?

- Term to describe patients with a specific auditory disorder characterized by evidence of normal cochlear Outer Hair Cell (OHC) function with abnormal neural transmission in the auditory pathway
- Site of lesion can be either the Inner Hair Cells (IHC), the synapses between the IHC and the spiral ganglion cell, or the afferent fibers of the auditory nerve
- Patients present with conflicting behavioral results in the presence of a cochlear microphonic and an absent or severely abnormal Auditory Brainstem Response (ABR)



What is the recommended diagnostic protocol?

- Otoscopy
- Immittance measure to include acoustic reflex thresholds
- ABR to include rarefaction and condensation click stimuli at high intensities
- Otoacoustic Emissions
- Behavioral audiometry if possible
- Speech Recognition measures if possible

What are typical clinical findings for patients with ANSD?

- Otoacoustic Emissions- Present
- Acoustic Reflex Thresholds - Elevated or absent
- ABR -absent or severely abnormal
- Cochlear microphonic- Present
- Hearing Loss -Normal to profound
- Speech Perception - Typically worse than would be predicted by behavioral response

What are options for children with ANSD?

- Trial with amplification-conservative fitting until actual auditory responses can be obtained in the soundbooth
- If no benefit from hearing aids, family can consider cochlear implantation
- Families should be aware of all options for communication
- Typically a combination approach of communication modalities supported by visual cues



****ANSD is an autoqualifier
for EI services in
Oklahoma**

For more guidelines:

Bill Daniel's Center

Children's Hospital

Colorado

Team Management Protocols
for age appropriate responses,
deaf protocol, and the vari-
able protocol

OSHA 2012

Science to Service:
Developing and
Implementing Evidence Based Practices



October 5 and 6, 2012
Moore Norman Technology Center
13301 South Pennsylvania Ave.
Oklahoma City, Oklahoma 73170

Attendees will gain knowledge and skills in examining, determining, and implementing evidence based practices pertaining to current issues in communication sciences and disorders.

Call for Papers

Call for presentations, posters, and technical sessions is available at www.osha.org. Deadline for consideration is July 30, 2012.