



## Guidelines for Risk Monitoring for Delayed Onset Hearing Loss

### Class A: Risk indicators

- \*In-utero infections (CMV, Zika virus)
- \*Culture Positive postnatal infection (Bacterial and viral meningitis)
- \*Syndromes associated with progressive or delayed onset hearing loss (Neurofibromatosis, Osteopetrosis, Usher Syndrome, Townes-Brock)
- \*Syndromes associated with hearing loss (Down, Sticklers, Treacher Collins)
- \*Cleft Lip/Palate
- \*ECMO assisted ventilation
- \*Head Trauma involving basal skull/temporal fracture that requires hospitalization
- \*Chemotherapy treatment
- \*Neurodegenerative disorders or sensory motor neuropathies

If baby passes the newborn hearing screening & has any CLASS A risk indicator =  
Recommendation for diagnostic ABR evaluation with pediatric audiologist by 3 months of age.

### Class B: Risk indicators

- \*Family history of permanent childhood hearing loss
- \*In-Utero Infection (Herpes, Rubella, Syphilis, Toxoplasmosis)
- \*NICU stay of greater than 5 days
- \*Any amount of ototoxic exposure (aminoglycosides)
- \*Any amount of mechanical ventilation
- \*Craniofacial anomalies involving pinna, ear canal, ear pits/tags and temporal bone anomalies

If baby passes the newborn hearing screening & has one or more CLASS B risk indicators (and does not have any CLASS A risk indicators) =  
Recommendation for pediatric hearing evaluation by 1 year of age.

**NOTE:** If baby FAILS on the newborn hearing screening after two attempts – Recommendation for Diagnostic ABR evaluation to be completed by 3 months of age (JCIH 2007)

\* Any parental/caregiver hearing concerns warrants a referral to a pediatric audiologist.

\*\* Infants readmitted to the hospital within the first 30 days of life should be re-screened if any risk indicators are present.

References:

CDC (2016). <https://www.cdc.gov/zika/hc-providers/infants-children/congenital-zika-infection.html>

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Joint Committee on Infant Hearing. Year 2007 Position Statement: Principles and Guidelines for Early Hearing Detection and Intervention Programs.

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Van Riper, Lori A.; Kileny, Paul R. ABR Hearing Screening for High-Risk Infants. *American Journal of Otology*. 20(4):516-521, July 1999.