NEWBORN HEARING SCREENING - ASSESSMENT AND INTERVENTION

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Abstract: Congenital hearing loss is one of the most common birth defects. The incidence (1-2 cases per 200 infants) is considerably higher in infants in neonatal intensive care units. It is an established fact that detection and intervention within the first six months of life is crucial for and often associated with favourable developmental outcomes. The identification and remediation of all newborns with hearing loss before 6 months of age has now become an attainable realistic goal in almost all the developed countries. Considering the constraints in a developing country like ours, a two tier, centralized newborn hearing screening program is successfully implemented in Ernakulam District, Kerala. It is the practicability of this program that makes it relevant for replication in other cities of our country, making it a model screening program for any developing country.

Keywords: Disability, Hearing loss, Universal newborn hearing screening.

Points to Remember

- The incidence of hearing loss is 1-3 per 1000 births and 1-2 per 200 infants in NICU.
- All newborns should be screened for hearing loss before discharge from hospital or at the first immunization visit.
- Identification and remediation before 6 months of age is associated with near normal speech and language development.
- The concept of centralized cost effective 2 tier screening protocol successfully implemented in Ernakulam District, Kerala is worth replicating.

References


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