**Table I. Risk Indicators for Progressive or Delayed-Onset Hearing Loss**

(For Use with Neonates and Infants Through 2 Years of Age)

|  |  |  |
| --- | --- | --- |
| **Family history of permanent childhood hearing loss** | | |
| * Mother of child | * Grandmother of child | * 1st cousin of child |
| * Father of child | * Grandfather of child | * More than one relative of the same parent |
| * Sister of child | * Aunt of child |  |
| * Brother of child | * Uncle of child |  |
|  | | |
| **Stigmata or other findings associated with a syndrome known to include a sensorineural or conductive hearing loss or Eustachian tube dysfunction** | | |
| * Branchio-oto-renal (BOR) | * Stickler | * Trisomy 21 – Down syndrome |
| * Noonan | * Williams | * Trisomy 18 – Edwards syndrome |
| * CHARGE association | * Zellweger | * Trisomy 13 – Patau syndrome |
| * Pierre Robin | * Goldenhar (oculo-auriculo-vertebral or OAV) |  |
| * Rubenstein-Taybi | * Trisomy 8 (Warkany Syndrome) or Trisomy 9 (Mosaic Syndrome) |  |
|  | | |
| **Postnatal infections associated with sensorineural hearing loss** | | |
| * Confirmed bacterial meningitis | * Confirmed viral meningitis |  |
| **In utero infections** | | |
| * Cytomegalovirus | * Rubella | * Toxoplasmosis |
| * Herpes | * Syphilis |  |
|  | | |
| **Neonatal indicators** | | |
| * Intensive care greater than (>) 5 days | * Exposure to ototoxic medications: at risk aminoglycoside exposure | * Hyperbilirubinemia requiring exchange transfusion |
| * Extracorporeal membrane oxygenation (ECMO) | * Mechanical ventilation |  |
|  | | |
| **Syndromes associated with progressive hearing loss** | | |
| * Neurofibromatosis | * Jervell & Lange-Nielson | * Usher |
| * Osteopetrosis | * Waardenburg |  |
| * Alport | * Pendred |  |
|  | | |
| **Neurodegenerative disorders, such as** | | |
| * Hunter syndrome | * Charcot-Marie-Tooth syndrome | * Friedreich’s ataxia |
|  | | |
| **Head trauma requiring hospitalization** | | |
| * Basal skull/temporal bone fracture | Other – specify if chosen |  |
|  | | |
| **Parental or caregiver concern regarding hearing, speech, language, and or developmental delay** | | |
|  | | |
| **Craniofacial Anomalies** | | |
| * Pinna | * Atresia | * Choanal atresia |
| * Cleft palate | * Microtia | * Temporal bone anomalies |
| **Chemotherapy** | | |

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