WYOMING EARLY HEARING DETECTION & INTERVENTION (EHDI) PROGRAM
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Pass/Fail Criteria for Wyoming Late Onset Hearing Loss Screening Components

1. Otoscopy
   - ***Pass*** all children ***except*** those with drainage from or a foreign object in their outer ear canal.
   - The presence of pressure equalization (PE) tubes and/or wax is not a fail.

2. Immittance
   A. Ear Canal Volume (ECV) acceptable values by age:
      - 9-24 months: less than 0.8 mL (cm^3)
      - 2-6 years: less than 1.0 mL (cm^3)
      - 6 years and older: 0.4 to 1.5 mL (cm^3)

      *Typically, the smaller the physical size of the child, the smaller the ECV
      *Typically, the left and right ears will have similar ECV values. If they are not similar, ask "why"? (i.e. patent tube? Perforated tympanic membrane?)

   B. Tympanic Membrane (TM) Compliance (TMC):

      - Passing Criteria:
        - Greater than 0.2 mL (cm^3)
        - 0.1 mL with an acoustic reflex (AR) present is a ***pass***
      - Failing Criteria:
        - 0.1 mL with no AR present is a ***fail***
        - 0.0 mL
        - NP (No Pressure)

   C. Middle Ear Pressure (MEP):
      - Passing range: -250 to +100 daPa

   * Order in which screening results appear may be different on your screening equipment than what appears above.

3. Otoacoustic Emissions (OAE)
   - If the OAE screening equipment does not specifically show that the child passed bilaterally, it is a failed OAE screening.
   - Attempted by incomplete screenings (malfunctioning equipment, poor screening technique, uncooperative child, etc.) are all ***fails***.

4. Pure Tones
   - A child must respond to all tones (1000, 2000, and 4000 Hz at 20 dB HL) in both ears to ***pass***.
   - If a child is unresponsive to one or more tones or responds at a louder level than 20 dB HL, in one or both ears, it is a ***fail***.

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