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Criteria for Hearing Screening

Audiometric Screening

1. Pure-tones should be screened monaurally with earphones. ASHA standards for audiometric screening recommend:
    a. 1000 Hz, 2000 Hz, 4000 Hz - at 20 dB HL for children (to 18 years)
    b. 1000 Hz, 2000 Hz, 4000 Hz - at 25 dB HL for adults
2. The screening is failed if any one stimulus presentation is missed at the screening level.
3. The examiner must be sure that these recommended screening levels can be heard in the test environment by a person with normal hearing. Check yourself if you have normal hearing. Many test environments are inadequate because of ambient noise levels that are too loud.

Immittance Screening (make an appointment with Audiology for assistance)

1. Tympanometry should be completed on both ears whenever possible.
2. This screening is failed if:
    a. maximum compliance (the pressure peak) occurs at less than -150daPa
    b. static compliance is less than .2m1.
    c. tympanometric configuration is flat
    d. ear canal volume is inappropriate
3. Any failure should be reported for verification of recommendations.

Recommendations

1. With failure of both pure-tone and immittance screenings, a medical consultation and follow-up audiologic evaluation or re-screening is recommended.
2. With failed pure-tone screening and normal immittance, refer for a complete audiologic evaluation.
3. With normal pure-

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SAMPLE REPORTING OF SCREENING RESULTS

1. Normal results:
    a. John passed both pure-tone audiometric and immittance screenings bilaterally. His hearing appears to be adequate for communication.

2. Normal audiometric results, abnormal immittance:
    a. Flat tympanograms
        i. John passed a pure-tone audiometric screening bilaterally, but immittance test results indicated flat tympanograms in each ear. Although his hearing appears to be adequate for communication,