

Instructions: Look at the following questions below in their respective categories, and check your answers against the Answer Key on the last page. Contact the [SAA Programs Subcommittee Chair](#) with any questions.

Foundations

- 1) Which frequency is not normally used to calculate PTA?
 - A. 500 Hz
 - B. 4000 Hz
 - C. 2000 Hz
 - D. 1000 Hz

- 2) What is the most robust distortion product evoked with DPOAEs?
 - A. F1
 - B. F2
 - C. 2F1-F2
 - D. 2F2 – F1

- 3) Which of the following statements is false:
 - A. RECDs change within an individual over time
 - B. RECDs for infants are significantly smaller than RECDs for adults
 - C. RECDs vary between individuals
 - D. RECDs can be measured with ER3A foam tips or custom earmolds

- 4) What physiologic capabilities of the ear must be intact in order to elicit acoustic reflexes?
 - A. Functioning OHC & normal middle ear status
 - B. Functioning OHC
 - C. Functioning IHC
 - D. Functioning OHC & normal auditory nerve function

- 5) What is the optimal range of stimulation rates for determining threshold with a click ABR?
 - A. 11.1 to 21.1 clicks/sec
 - B. 31.1 to 41.1 clicks/sec
 - C. 61.1 to 71.1 clicks/sec
 - D. 81.1 to 91.1 clicks/sec

Prevention & Identification

- 1) A newborn did not pass her newborn hearing screen & is seen for diagnostic follow-up testing within 1 month of the referral. Of the following tests, which would be least beneficial for providing diagnostic information about hearing loss:
 - A. DPOAE
 - B. BOA

C. Immittance

D. ABR

- 2) If an infant is born at 32 weeks gestation, which of the following tests is most impacted by gestational age?
 - A. DPOAE amplitude
 - B. ABR threshold
 - C. ABR wave V latency
 - D. TEOAE frequency response

- 3) What is a standard threshold shift (STS) according to OSHA?
 - A. Increase of an average of 10dB or more at 0.5k, 1k and 2kHz in comparison to baseline.
 - B. Increase of an average of 15dB or more at 1k, 2k and 4kHz in comparison to baseline.
 - C. Increase of an average of 10dB or more at 2k, 3k and 4kHz in comparison to baseline.
 - D. Increase of an average of 15dB or more at 2k, 3k and 4kHz in comparison to baseline.

- 4) If standard threshold shift (STS) has occurred, how many days does the employer have to obtain a retest?
 - A. 14
 - B. 21
 - C. 30
 - D. 45

- 5) Under Occupational Safety and Health Administration (OSHA) regulations adopted March 1983, a standard threshold shift on an annual audiogram is defined as a change in hearing threshold relative to the baseline audiogram of an average of 10 dB or more at which frequencies?
 - A. 500, 1000, and 2000 Hz
 - B. 1000, 2000, and 3000 Hz
 - C. 2000, 3000, and 4000 Hz
 - D. 500, 1000, 2000, 3000 Hz

Assessments

- 1) Eliciting an acoustic reflex threshold at a hearing level better than that obtained with behavioral testing suggests:
 - A. Loudness recruitment
 - B. Abnormal adaptation
 - C. High impedance or low compliance
 - D. Functional or non-organic hearing loss

- 2) Which of the following drugs is not considered to be ototoxic?
 - A. Furosemide
 - B. Cisplatin

C. Meclizine

D. Gentamycin

- 3) Which site of lesion is most consistent with absent ipsilateral acoustic reflexes?
- A. CN VIII lesion
 - B. CN VII lesion
 - C. Both CN VIII and CN VII lesion
 - D. Neither CN VIII nor CN VII lesion
- 4) Symptoms of this disorder include sudden hearing loss, tinnitus and vertigo persisting for 1-3 days.
- A. Vestibular Neuronitis
 - B. Vestibular Labrynthitis
 - C. Autoimmune Inner Ear Disease
 - D. Meniere's Disease
- 5) Which is not a characteristic of nystagmus caused by a peripheral lesion?
- A. Suppresses with vision
 - B. Direction changes
 - C. Enhances dynamically
 - D. Direction is fixed

Intervention

- 1) A patient with BTE hearing aids is complaining that everything sounds hollow and that her own voice sounds like she's in a barrel. What adjustment would help this patient?
- A. Decrease gain
 - B. Counsel patient about adjusting
 - C. Switch to thicker tubing
 - D. Add a vent to the ear mold
- 2) A patient has a steeply sloping high frequency hearing loss in both ears. What is the most appropriate amplification for this patient?
- A. RITE aids with an open mold
 - B. CIC hearing aids
 - C. BTE hearing aids with occluding ear molds
 - D. A pocket talker
- 3) An individual who no longer attends dinner at his favorite restaurant because his hearing loss prevents him from communicating with his wife is experiencing:
- A. Activity Limitation
 - B. Participation Restriction

C. SNR loss

D. Third Party Disability

- 4) What is the defining characteristic of an “n-of-m” strategy for cochlear implant processing?
- A. Of the available channels, the algorithm chooses a subset with the most energy for output
 - B. Pulses are interleaved for continuous analog waveform
 - C. Use of simultaneous stimulation to create intermediate pitch percept
 - D. Uses rate of pitch to code fundamental frequency and electrode place to code F2
- 5) A TDH-39 earphone with an MX-41 AR cushion on a 9-A coupler with the audiometer dial set at 1000 Hz and 25 dB HL should produce a SPL of approximately how many dB?
- A. 17.8
 - B. 18.5
 - C. 25.0
 - D. 35.0

Professional Issues

- 1) What is involved in Evidence Based Practice?
- A. Individual Clinical Expertise
 - B. Best Available Clinical Evidence
 - C. Patients’ Values and Expectations
 - D. All of the above
- 2) What is the term used to describe a cochlear implant surgery for a patient that does not meet FDA criteria?
- A. Out-of-bounds
 - B. Off-label
 - C. Non-Regulated
 - D. Unauthorized
- 3) Which of these modifiers is used when billing to indicate “reduced service”?
- A. -22
 - B. -52
 - C. -53
 - D. RT/LT
- 4) According to OSHA, employees must have access to audiometric test results/records given in a workplace. Others who must have access to these records do NOT include:
- A. Former employees
 - B. Designated Representatives

- C. The Assistant Secretary of Labor
- D. The employee's relatives

- 5) **Under IDEA, children with educational disabilities have a right to which of the following?**
- A. The best possible education
 - B. A mainstream education
 - C. Hearing aids if medically necessary
 - D. A free and appropriate public education

ANSWER KEY

FOUNDATIONS

- 1) B. 4000 Hz
- 2) C. 2F1 – F2
- 3) B. RECDs for infants are significantly smaller than RECDs for adults
- 4) A. Functioning OHC & normal middle ear status
- 5) A. 11.1 to 21.1 clicks/second

PREVENTION AND IDENTIFICATION

- 1) B. BOA
- 2) C. ABR Wave V latency
- 3) C. Increase of an average of 10dB or more at 2k, 3k and 4kHz in comparison to baseline
- 4) C. 30 days
- 5) C. 2000, 3000, & 4000 Hz

ASSESSMENTS

- 1) D. Functional or non-organic hearing loss
- 2) C. Meclizine
- 3) B. CN VII lesion
- 4) B. Vestibular Labrynthitis
- 5) B. Direction changes

INTERVENTION

- 1) D. Add a vent to the earmold
- 2) A. RITE aids with an open mold
- 3) B. Participation Restriction
- 4) A. Of the available channels, the algorithm chooses a subset with the most energy for output.
- 5) C. 25.0 dB SPL

PROFESSIONAL ISSUES

- 1) D. All of the above
- 2) B. Off-label
- 3) B. -52
- 4) D. The employee's relatives
- 5) D. A free and appropriate public education