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
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
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
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 Labyrinthitis
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