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Each quiz is 12 questions in multiple-choice or true-false format. You must answer nine questions correctly (75%) to earn the .2 CEU credit. Results of the quiz will be emailed (or mailed by request) upon completion.

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Other quizzes from Assistive Technology Journal articles may be found on the RESNA website (www.RESNA.org). The primary program learning objective is to keep abreast of current findings and practices in assistive technology, research and rehabilitation engineering.

Was the content of the article relevant to current AT practice? Yes No
Was reading the article and completing the quiz a good way for you to learn? Yes No

Quiz – Benefits of Incorporating the Adaptive Dynamic Range Optimization Amplification Scheme into an Assistive Listening Device for People with Mild or Moderate Hearing Loss, Hung-Yue Chang, MS, et al.

1. How are ALDs coupled with hearing aids?
 - A. Through signal-to-noise ratio technology
 - B. Through narrow frequency band signals
 - C. Through near-field magnetic induction technology
 - D. Through proximal magnetic amplification modes

2. What is significantly improved through the use of ALDs transmitting sounds from sources at a far distance?
 - A. Sound-to-signal ratio (SSR)
 - B. Signal-to-noise ratio (SNR)
 - C. Input-to-output signal ratio (IOSR)
 - D. Output-to-sound ratio (OSR)

3. According to the article, with which two technologies in particular do people tend to use ALDs?
 - A. iPads and laptops
 - B. Telephones and tablets
 - C. Televisions and desktop computers
 - D. Telephones and televisions

4. According to the article, approximately what percent of hearing aid users did not use or rarely used their hearing aids in general?
 - A. 15%
 - B. 45%
 - C. 5%
 - D. 30%

5. Concerning the use of ALDs, how many steps did the digital volume control located at the control box consist of, and what was the decibel increment per step?
 - A. 15 steps...1.8 dB
 - B. 12 steps...1.6 dB
 - C. 18 steps...1.2 dB
 - D. 16 steps...1.4 dB

6. How many parts did the digital signal processor (DSP) contain?
 - A. 5
 - B. 3
 - C. 6
 - D. 2

7. Which of the following acronyms represents the standard Mandarin sentence test commonly used in large-scale clinical studies over the past decade?
- A. SMST
 - B. MINTS
 - C. MHINT
 - D. THINM
8. How many lists, sentences, and words were found on the above Pro Audiometric System, which was used to assess the subjects' speech performance?
- A. 12 lists...20 sentences...10 words
 - B. 20 lists...10 sentences...12 words
 - C. 10 lists...12 sentences...20 words
 - D. 16 lists...8 sentences...18 words
9. Under the test noise condition, at what fixed level were A-weighted speech-shaped noises produced throughout the test?
- A. 35 dBA
 - B. 65 dBA
 - C. 45 dBA
 - D. 85 dBA
10. How many native Mandarin speaking individuals participated in this study?
- A. 12 – 7 men and 5 women
 - B. 15 - 12 men and 3 women
 - C. 17 – 5 men and 12 women
 - D. 17 – 12 men and 5 women
11. Among all of the participants in the study, how many in the mild-loss group actually had experience using a hearing aid?
- A. 18
 - B. 8
 - C. 1
 - D. 12
12. Approximately what percent change in speech intelligibility does each dB change in signal-to-noise ratio (SNR) represent?
- A. 19%
 - B. 9%
 - C. 24%
 - D. 29%