

JAAA CEU Program

Volume 29, Number 8 (September 2018)

Questions refer to Souza et al, “The Characteristics of Adults with Severe Hearing Loss,” 764–779.

Learner Outcomes:

Readers of this article should be able to:

- Describe the typical audiometric and hearing history for listeners with severe hearing loss.
- Describe the expected effects of severe hearing loss on speech recognition.

CEU Questions:

1. The following is a test of broadband frequency resolution:
 - a. spectral ripple test
 - b. gap detection test
 - c. pitch pattern test
2. The TEN test is based on the premise that, when a tone signal is presented to an area of nonfunctioning inner hair cells:
 - a. the listener may detect the tone due to efferent activity in the auditory nerve
 - b. the listener may detect the tone through stimulation of adjacent cochlear regions
 - c. the listener will be unable to detect the tone at any presentation level
3. In the study, TEN thresholds were measured at the following frequencies:
 - a. 0.5, 1, and 2 kHz
 - b. 2, 3, and 4 kHz
 - c. 4 and 6 kHz
4. What are the three domains of the SSQ questionnaire?
 - a. speech recognition in background noise from a single talker, multiple talkers, and nonspeech noise
 - b. slowly spoken speech, spectrally-smearred speech, and quiet speech
 - c. speech recognition, spatial aspects of hearing, and quality of sound
5. The majority of study participants reported that their hearing loss occurred:
 - a. after age 30 years
 - b. after age 50 years
 - c. after age 65 years
6. The majority of study participants reported that their hearing loss occurred:
 - a. suddenly
 - b. immediately following a specific event
 - c. gradually
7. Among this sample of adults with severe loss, the following hearing aid use pattern was reported:
 - a. 4 out of 5 of the hearing aid wearers used behind-the-ear hearing aids
 - b. on average, listeners had worn hearing aids for 10 years
 - c. most of the participants who wore hearing aids were using linear amplification
8. Results of the TEN test suggest the following relationship between severe hearing loss and dead regions:
 - a. severe loss does not result in dead regions
 - b. dead regions occurred for some listeners with severe loss, particularly at higher test frequencies
 - c. severe loss results in dead regions above 500 Hz
9. When considering whether to include the QuickSIN in an audiometric test battery, this study suggested that:
 - a. listeners with monosyllabic word recognition below 40% can be expected to have poor speech-in-noise ability
 - b. because there is no relationship between the QuickSIN and monosyllabic word recognition in quiet, the QuickSIN should always be included as part of the audiometric battery
 - c. listeners with monosyllabic word recognition above 40% can be expected to have good speech-in-noise ability
10. A regression model indicated that the following factors contribute to the quiet speech score:
 - a. amount of hearing loss, spectral resolution, and whether or not the listener has dead regions
 - b. amount of hearing loss, spectral resolution, and age
 - c. amount of hearing loss, age, and cognitive ability



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