

JAAA CEU Program

Volume 29, Number 9 (October 2018)

Questions refer to Uhler et al, “Refining Stimulus Parameters in Assessing Infant Speech Perception Using Visual Reinforcement Infant Speech Discrimination in Infants with and without Hearing Loss: Presentation Level,” 847–854.

Learner Outcomes:

Readers of this article should be able to:

- Identify differences in speech discrimination abilities for infants with and without hearing loss.
- Describe the clinical methods used in VRISD.

CEU Questions:

1. The level at which infants can discriminate between /ba/ and /da/ is _____ compared to the level at which adults can discriminate /ba/ and /da/, which is _____.
 - a. 20–25 dB; 10–15 dB
 - b. 10–15 dB; 20–25 dB
 - c. 15–25 dB; 20–25 dB
2. Which contrast (/ba-da/ or /a-i/) can normal hearing infants discriminate at a lower presentation level?
 - a. /ba-da/
 - b. /a-i/
 - c. infants can discriminate /ba-da/ and /a-i/ at the same presentation level
3. The effect of presentation level on speech discrimination overall for infants with normal hearing and for infants with hearing loss is:
 - a. similar
 - b. different
 - c. there was no effect of presentation level
4. The proportion of infants with hearing loss who achieved criterion on _____ was higher than the proportion that reached criterion on _____.
 - a. there was no difference in the proportion of infants with hearing loss who achieved criterion on /a-i/ and /ba-da/
 - b. /a-i/; /ba-da/
 - c. /ba-da/; /a-i/
5. Which contrast is relatively more difficult for infants with hearing loss to discriminate when compared to their normal hearing peers?
 - a. /a-i/
 - b. /ba-da/
 - c. there is no difference
6. For infants with hearing loss, what factors played a role in improved performance on discriminating /a-i/ during VRISD testing?
 - a. higher aided SII and lower high frequency pure tone average
 - b. degree of hearing loss and lower aided SII
 - c. higher aided SII and their ability to discriminate /ba-da/
7. What is the range of the presentation level at which both infants with hearing loss and infants with normal hearing would be expected to discriminate /a-i/?
 - a. 50–70 dBA
 - b. 60–65 dBA
 - c. 56–63 dBA
8. Considering infants with hearing loss who did not reach criterion at 50 dBA:
 - a. increasing the presentation level INCREASED the likelihood that they would reach criterion at the other levels
 - b. increasing the presentation level DID NOT INCREASE the likelihood that they would reach criterion at the other levels
 - c. increasing the presentation level DECREASED the likelihood that they would reach criterion at the other levels
9. Hearing age:
 - a. was a predictor of an infant’s ability to reach criterion
 - b. was not a predictor of an infant’s ability to reach criterion
 - c. hearing age was not assessed in this study
10. For infants with hearing loss, audibility:
 - a. was an insufficient predictor for reaching criterion on /a-i/ but was a sufficient predictor for reaching criterion on /ba-da/
 - b. was a sufficient predictor for reaching criterion on /a-i/ and /ba-da/
 - c. was a sufficient predictor for reaching criterion on /a-i/ but was not an insufficient predictor for reaching criterion on /ba-da/



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