AAA CEU Program

Volume 19, Number 2 (February 2008)

Questions refer to Stewart, "Reception Thresholds for Sentences in Quiet, Continuous Noise, and Interrupted Noise in School-Age Children," pp. 135–146.

Learner Outcomes
Each reader of this article should be able to

- Explain how the study of speech perception in fluctuating competing signals offers insight into temporal resolution abilities of listeners.
- Compare temporal resolution and processing efficiency as competing hypotheses for describing auditory development.
- Identify differences of speech recognition in interrupted noise between children and adult listeners.

1. Conditions that can worsen listening performance of children when competing signals are present include:
   a) listening through a second language
   b) history of recurrent otitis media
   c) learning disability
   d) all of the above

2. Speech recognition measured as a function of S/N in spectrally identical continuous and interrupted broadband noise allows examination of:
   a) temporal resolution
   b) spectral resolution
   c) temporal and spectral resolution
   d) acceptable noise level

3. Which of the following statements is true?
   a) the temporal resolution hypothesis suggests better temporal acuity for children than adults
   b) the temporal resolution hypothesis suggests similar temporal acuity for children and adults
   c) the processing efficiency hypothesis proposes poorer processing efficiency for children than adults
   d) the processing efficiency hypothesis proposes similar processing efficiency for children and adults

4. In this investigation, reception thresholds for sentences (RTSs) in quiet, for children, were equivalent to adult thresholds:
   a) after age 7 years
   b) after age 9 years
   c) after age 11 years
   d) after age 13 years

5. Release from masking in interrupted noise was determined by:
   a) dividing continuous noise RTS dB S/Ns by interrupted noise RTS dB S/Ns
   b) adding interrupted noise RTS dB S/Ns to continuous noise RTS dB S/Ns
   c) subtracting continuous noise RTS dB S/Ns from interrupted noise RTS dB S/Ns
   d) subtracting interrupted noise RTS dB S/Ns from continuous noise RTS dB S/Ns

6. The release from masking experienced by children in interrupted noise was:
   a) the same as adults by age 8 years
   b) no different than adults
   c) poorer than adults in all age groups of children
   d) better than adults in all age groups of children

7. Superior performance in interrupted noise was evidenced in all participants by:
   a) higher RTS S/Ns relative to RTS S/Ns in continuous noise.
   b) lower RTS S/Ns relative to RTS S/Ns in continuous noise.
   c) equivalent RTS S/Ns relative to RTS S/Ns in continuous noise.
   d) none of the above

8. The developmental differences between children and adults while listening in interrupted noise has been attributed to:
   a) masking level differences
   b) peripheral auditory maturation
   c) central auditory system maturation
   d) peripheral and central auditory system maturation

9. The release from masking observed in this investigation, collapsed across all age groups, was 9 dB. This value was:
   a) less than reported in previous investigations
   b) greater than previously reported
   c) about equal to values observed previously
   d) not compared with previously reported values

10. Administration of four *Hearing in Noise Test for Children* (HINT-C) 10-sentence lists can be completed in less than:
    a) 5 minutes
    b) 10 minutes
    c) 15 minutes
    d) 20 minutes

JAAA CEU PROGRAM

WHO? Members of the Academy who are also members of the Academy's CE Registry are eligible to participate in the JAAA CEU Program.

WHAT? The JAAA CEU Program offers a minimum of 1.0 CEUs (10 continuing education hours) per volume year. Individuals can submit one or all JAAA CEU tests for scoring and CEU credit. Each JAAA assessment offers .2 CEUs.

WHERE? *eAudiology.org – Your CEU Source*

Participants can complete the assessments using the eAudiology.org online submission system, which provides automatic feedback (score, correct answers) and automatic recording to the CE Registry database.

WHEN? 2008 JAAA examinations will be accepted through December 31, 2008. 2008 submissions will be accepted by mail or online at eAudiology.org. Submissions are credited in the calendar year they are submitted.

2007 JAAA examinations will be accepted for a separate registration fee of $75 until December 31, 2008. You can earn up to 1.8 CEUs! To register visit eAudiology.org. 2007 examinations will only be accepted via the online program.

To participate in the 2007 and/or 2008 JAAA CEU Program, you must be a member of the 2008 CE Registry.

WHY? Because you want convenient and cost-effective CEUs!

HOW? If submitting by mail, complete the following and send with your completed answer sheet to the address below. If participating online, go to eAudiology.org.

Education Department, JAAA
American Academy of Audiology
11730 Plaza America Drive, Suite 300
Reston, VA 20190

_____
Name

_____
Address

_____
City State Zip Code

_____
Telephone

_____
E-mail Address

_____ I previously enrolled in the 2008 CE Registry. Please enroll me for the 2008 JAAA CEU Program. I am enclosing $75 for the year.

_____ I am not enrolled in the 2008 CE Registry; please enroll me. I am enclosing $25 for the 2008 CE Registry and $75 for the 2008 JAAA CEU Program (total due - $100).

_____ I am currently enrolled and have paid for both the 2008 CE Registry and the 2008 JAAA CEU Program.

TOTAL AMOUNT ENCLOSED:

_____

METHOD OF PAYMENT:

❒ Check # _____
Made Payable to:
American Academy of Audiology, Inc.

Credit Card
- ❒ Visa
- ❒ MasterCard
- ❒ American Express
- ❒ Discover

Credit Card # _____
Exp. Date _____/_____

ABA TIER 1 CREDIT
ABA Tier 1 credit is available in this issue of *JAAA*. In order to receive Tier 1 credit for this assessment, you must score 80% or better. The credits will appear on your Academy transcript as Tier 1.

❑ Please check here if you are seeking Tier 1 credit.

ABA Tier 1 **CE Topic:** Auditory Processing