

JAAA CEU Program

Volume 30, Number 3 (March 2019)

Questions refer to Dwyer et al, “Contralateral Routing of Signal Yields Significant Speech in Noise Benefit for Unilateral Cochlear Implant Recipients,” 235–242.

Learner Outcomes:

Readers of this article should be able to:

- Summarize the impact of CROS on speech understanding in cochlear implant listeners when speech originates from various azimuths.
- Identify how the magnitude of the head or face shadow might serve as a clinical tool in this population of patients.

CEU Questions:

1. After receiving a second implant, appreciable benefit is largely due to:
 - a. summation effects
 - b. overcoming the head shadow effect
 - c. binaural squelch (or binaural unmasking of speech)
2. In unilateral CI recipients, it is generally agreed upon that CROS overcomes the negative effects of the head shadow by:
 - a. increasing the effective SNR when the signal of interest originates from the side of the *poorer* hearing ear.
 - b. increasing the effective SNR when the signal of interest originates from the side of the *better* hearing ear.
 - c. increasing the effective SNR when the signal of interest originates from the front of the listener.
3. Which statement *best* reflects CROS outcomes in the current literature?
 - a. CROS is detrimental to speech understanding when noise is presented to the CI ear.
 - b. CROS improves speech recognition in quiet for unilateral listeners.
 - c. CROS benefit has been mixed.
4. In this study, speech recognition testing was completed:
 - a. immediately after CROS fitting.
 - b. after two weeks chronic use.
 - c. with AzBio sentence materials via monitored live-voice.
5. In this study, questionnaires of subjective benefit were administered:
 - a. immediately after CROS fitting
 - b. immediately before CROS evaluation, and after two weeks CROS use
 - c. with the Abbreviated Profile of Hearing Aid Benefit (APHAB)
6. The only listening condition that demonstrated statistically significant improvement with the addition of the CROS device was:
 - a. speech recognition in noise with the signal presented to the CI ear.
 - b. speech recognition in noise with the signal presented to the poorer ear.
 - c. speech recognition in noise with the signal presented to the front of the listener.
7. The difference in an individual’s ability to recognize speech when it is presented to the front of the listener vs. when it is presented to the CI side is called:
 - a. the head shadow effect
 - b. CROS benefit
 - c. the face shadow effect
8. The difference in an individual’s ability to recognize speech when it is presented to the listener’s CI side vs. when it is presented to the poorer hearing ear is called:
 - a. CROS benefit
 - b. the head shadow effect
 - c. the face shadow effect
9. Which of the following was *not* observed?
 - a. A significant correlation between the magnitude of the *head shadow* and CROS benefit for quiet speech (50 dBA) and speech in noise.
 - b. A significant correlation between the magnitude of the *face shadow* and CROS benefit for quiet speech (50 dBA) and speech in noise.
 - c. A significant correlation between the magnitude of the *head shadow* and CROS benefit for conversational level speech (65 dBA).
10. With the addition of the CROS device, participants reported significant improvement in which domain of the SSQ12 questionnaire?
 - a. speech hearing
 - b. spatial hearing
 - c. qualities of hearing



JAAA CEU PROGRAM

WHO? All members of the Academy receive the CE Registry as a member benefit and are eligible to participate in the JAAA CEU Program.

WHAT? The JAAA CEU Program offers a minimum of 1.6 CEUs (16 continuing education hours) per volume year. Individuals can submit one or all JAAA CEU assessments for scoring and CEU credit. Each JAAA assessment is worth .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 member’s CE Registry record.

WHEN? Volume 30 (2019) assessments will be accepted through December 31, 2019. Volume 30 submissions will be accepted by e-mail or online at eAudiology.org. Submissions are credited in the calendar year they are submitted. You may enroll in the CEU program for 2019 (Volume 30) with a payment of \$95 for the year. This will enable you to earn up to 1.6 CEUs for 2019.

Volume 29 (2018) assessments will be accepted for a separate registration fee of \$95 until December 31, 2019. You can earn up to 1.6 CEUs with this registration! To register, visit eAudiology.org. Volume 29 (2018) assessments will only be accepted via the online program.

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

HOW? To register online, go to www.eAudiology.org. Once you have registered, the JAAA CEU Program will be added to your dashboard, and you will be able to access the assessments from there. If submitting by mail, complete the following and send with your completed answer sheet to the address below.

Education Department, JAAA
 American Academy of Audiology
 11480 Commerce Park Drive, Suite 220
 Reston, VA 20191

 Name

 Address

 City State Zip Code

 Telephone Member No.

 E-mail Address

_____ Please enroll me in the Volume 30 (2019) JAAA CEU Program. I am enclosing \$95 for the year.

_____ I am currently enrolled in the Volume 30 (2019) JAAA CEU Program.

_____ Please enroll me in the Volume 29 (2018) JAAA CEU Program. I am enclosing \$95 for the year.

_____ I am currently enrolled in the Volume 28 (2017) 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 _____/_____/_____

TIER 1 CREDIT (For ABA certificants)

T1

 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.

This document was downloaded for personal use only. Unauthorized distribution is strictly prohibited.