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Original Article

# Working-memory capacity and phonological processing in deafened adults and individuals with a severe hearing impairment

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## Abstract

The purpose of this study was to investigate the effects of cochlear implants on the phonological processing of speech in deafened adults and individuals with a severe hearing impairment. The study was conducted in our own laboratory. The results showed that the use of cochlear implants significantly improved the phonological processing of speech in deafened adults and individuals with a severe hearing impairment. The study was conducted in our own laboratory. The results showed that the use of cochlear implants significantly improved the phonological processing of speech in deafened adults and individuals with a severe hearing impairment.

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Source: SAGE Publications

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Source: American Speech Language Hearing Association

Early cochlear implantation: Verbal working memory, vocabulary, speech intelligibility and participant variables

Source: Informa UK Limited

Early Expressive Language Skills Predict Long-Term Neurocognitive Outcomes in Cochlear Implant Users: Evidence from the MacArthur-Bates Communicative Development Inventories.

Source: American Speech Language Hearing Association

Are individual differences in speech reception related to individual differences in cognitive ability? A survey of twenty experimental studies with normal and hearing-impaired adults

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Speech Recognition in Adults With Cochlear Implants: The Effects of Working Memory, Phonological Processing, and Hearing Aid Use

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