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در کنگره بین المللی مشهد رخ داد :

## [پوستر دانشجویان گفتاردرمانی دانشکده علوم توانبخشی در کنگره بین المللی مشهد مورخه 19 و 20 اردیبهشت ماه 1397 بعنوان پوستر برتر برگزیده شد.](#)

پوستر " جراحی کاشت حلزون " و پوستر "بازنگری مهارتهای پروژودی گفتاردر کودکان دارای کاشت حلزون" در این کنگره بین المللی...

به گزارش روابط عمومی دانشکده علوم توانبخشی تبریز

آقای امیر سالار توضیحی

و خانم مهسا مهدیزاده به سرپرستی استاد خانم فاطمه فکار با عنوان " جراحی کاشت حلزون "

و آقای امیر سالار توضیحی و خانمها دنیزی فرزین مقدم و مهسا زالی به سرپرستی استاد خانم فاطمه فکار با عنوان " بازنگری مهارتهای پروژودی گفتاردر کودکان دارای کاشت حلزون"

به عنوان پوستر برتر برگزیده شد.

روابط عمومی دانشکده علوم توانبخشی

## Review of Speech Perceptual Skills in Children with Cochlear Implantation

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### introduction

To assess the effect of cochlear implantation on auditory and speech perception and the effect of intervention on acquisition of auditory and speech and language skills.

### Results

Speech perception ability is a complex and multidimensional phenomenon that there is a close relationship with hearing in humans. Speech perception tests included the recognition of stress pattern, consonants, vowels, words, and sentences. Average results indicated that gains were being made in the perception of stress and words in a closed-set context with- in 1 year from implantation. The perception of words in an open-set context demonstrated much slower increases over time. Sound awareness is a capability, which develops rapidly, and Speech comprehension is the last and most important ability, which is considered for communication. Hearing loss affects all aspects of the person's life, in particular auditory perceptual function. Although their general attention to speech sounds may be less than normal peers. The deaf children's speech perception and comprehension are still weaker than normal children and auditory intervention is necessary to accelerate the development of auditory skills. The findings show that infants, who have cochlear implantation(CI), are able to recognize and identify speech sounds.

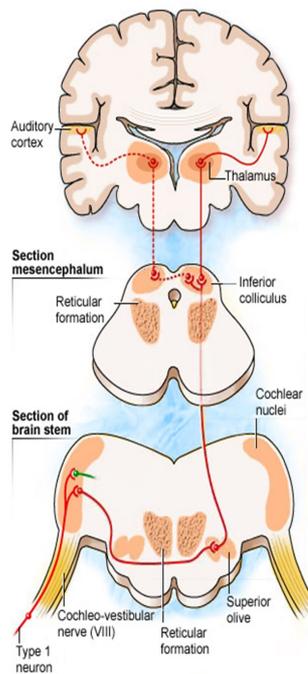


Figure1:auditory pathways

### Materials & Methods

We conducted a search in PMC, Science Direct and Neuroscience, PubMed and Medline databases. The present information is available reviewing the articles from 1985 to 2018 through the search of the resources.

### Conclusion

The CI has a beneficial effect on improving the auditory perception of deaf children and the results have been satisfactory in increasing their verbal auditory performance. Whatever children with congenital hearing loss fitted with implants at a younger age and the duration of rehabilitation after CI is longer, the child's performance is better with the acquisition of language and speech skills and according to recent studies both factors are recommended.

### Key words

implantation, auditory, perception, intervention

### Referenses

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