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ABSTRACT BOOK

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LECTURES & COMMUNICATIONS

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COCHLEAR IMPLANTATION IN UZBEKISTAN: HEARING-SPEECH MONITORING RESULTS AND PERSPECTIVES

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In 2014 there was started the State Program in Uzbekistan "The introduction of a complex of rehabilitation measures in children with severe form of hearing loss and deafness» which has aimed to increase the rate of invalidation caused by deafness. So, since this period has beginning CI Era in our country.

Material and methods. The integrated program includes audiological screening and cochlear implantation. There are 365 children were implanted (CI- Concerto, SP- OPUS 2, SONNET, Med-El/Austria). Rehabilitation monitoring has performed by the MAIS questionnaire.

Results. The 3 years monitoring system has had positive results: speech - auditory rehabilitation has showed the results of 97, 2% of the speech sphere and 86.1% in a good hearing perception. So, in 2016 there are 42 children went to the general secondary school at the age of 7 years and 38 children under 6 years old. The rest of them are attended the preschool institutions and have lessons with speech-therapeutics.

Conclusion. CI program large-scale allows integrating the children with deafness to general schools, to adapt them in social environment and reveals for them the opportunity to realize themselves in life.

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SPEECH PERCEPTION ASSESMENT IN CHILDREN WITH COCHLER IMPLANT IN FREE HEARING FIELD

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Speech audiometry, as one of the methods for hearing examination has been applied in our country. Compared to tonal audiometry, it provides us with the information how an individual hears and understand speech. It is practiced with adults and children. In our practical work, this method has proved useful for following results of re/habilitation of hearing and speech in children. The aim of this work is to examine speech perception of children with cochlear implant in free hearing field. Work method: the sample consisted of twenty children with cochlear implant, they were of average intellectual abilities, without other impairments, of both sexes, of chronological age between 5 to 9 and they were included into re/habilitation treatment for at least a year. With speech audiometry in free hearing field we estimated the ability to perceive one syllable and two syllable words. The word list was taken from Triage Articulation Test (Vladisavljevic, Kostic) which was standardized for our speech - language area, and consists of 30 words. The examiner presented a list of words presented by the microphone without the ability to read and see words from face and lips.

Results present that two thirds of examined children had more than 80% correctly repeated words, that they perceived two syllable words and to those that had high tone sounds.

Understanding one syllable words greatly lowered no matter what the sound structure is.

Key words: hearing impairment (deafness), cochlear implant, speech audiometry