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Case Report: AUDITORY NEUROPATHY IN Dr. SOETOMO HOSPITAL

Abstract

Auditory neuropathy or auditory dys-synchrony is a rare hearing disorder in which sound enters the inner ear normally but the transmission of signals from the inner ear to the brain is impaired. It can affect people of all ages, from infancy through adulthood. People with auditory neuropathy may have normal hearing, or hearing loss ranging from mild to severe, they always have poor speech-perception abilities, meaning they have trouble understanding speech clearly. Often, speech perception is worse than would be predicted by the degree of hearing loss. In this paper will be reported two cases of auditory neuropathy (8 years old and 5 years old) who were referred to Dr. Soetomo Hospital. Their teachers were questioning about their hearing ability. The diagnosis was determined by behavioural observation audiometry, otoacoustic emission, auditory brainstem response, tympanometry and speech perception testing with live voice. One of the 2 is cases multihandicap with a moderate intelligence quotient (36). The management depends on the patient's condition, mode of communication using visual input such as sign communication or cued speech and hearing aid usually does not show too much benefit since the first case is multihandicapped and the second case will be evaluated in 3 month for communication. The choice for schooling is different in these cases.

Keyword : auditory, neuropathy, diagnosis, management, ,

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