

Zastosowanie sedacji płytkiej u niemowląt w przygotowaniu do badania potencjałów słuchowych z pnia mózgu (ABR)

Application of conscious sedation in infants undergone the auditory brainstem responses (ABR) examination

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Summary

Results of ABR examination in infants undergone the hearing screening examinations were presented. Since February 2004 the group of 184 children were examined. In 29 of them (15.8%) there was a need of further hearing examination using evoked auditory brainstem responses. In 20 of them the examination was done in sleep induced by 6% chloral hydrate enema. The process of sleep was normal and no disturbances of breathing or circulatory systems were observed. The obtained responses from brainstem were not interfered by any artifacts and basic waves were legible and easy for interpretation. Correct results of the ABR examination were obtained in 21/29 (72%) children, while in 7/28 (24%) various degree of hearing losses were detected. Those children were referred for hearing rehabilitation to the Third Degree of Reference Center. It was emphasized in the study that results of ABR examination after conscious sedation induced by 6% chloral hydrate enema accounted the suggestion for its wider use in other clinical and hospital center.