



Third paper

Neuropsychological Assessment of Global and Specific Cognitive Functions in Children with Epilepsy

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Abstract

Impairment of cognitive functions is an important problem in epileptic children that can burden their learning abilities and academic achievement. The present study aims at assessment of cognitive functions in epileptic children and to explore the relation of various neuropsychological functions to other variables such as seizure type, frequency, duration of epilepsy, EEG changes and antiepileptic drugs. The study included 58 epileptic children, 6-12 years old (39 males and 19 females). All children were subjected to detailed history, full neurological and psychiatric examination, EEG and a battery of psychometric tests. Results confirmed that epileptic children have significant impairment in cognitive functions and this impairment is most evident in females, generalized seizures, higher frequency of seizures, right sided focus in EEG, poor seizure control and poly therapy

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