

Epileptiform EEG changes in Autism without epilepsy

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Abstract:

Autism spectrum disorder (ASD) is an etiologically and clinically heterogeneous group of neuropsychiatric disorder of early childhood characterized by impairment of social interaction and communication in the form of reduced eye contact, facial expression, and body gestures, delayed language development, stereotype behavior and signs of sensory function deficits. Multiple structural and functional abnormalities of brain may be associated with this neurodevelopment disorder. Epilepsy is common co morbidity with ASD and any type of seizure may be observed in it. Multiple specific and non specific EEG changes documented in ASD. Our study aims to find out any epileptiform EEG changes in ASD children.

Method- We did an observational cross sectional study on 30 children of ASD to look for any epileptiform EEG changes.

Result- In our study, after analyzing EEG findings, it was observed that 13.3% of ASD children had isolated epileptiform discharges, of which most of the discharges were generalized high voltage spike and slow wave, poly spike and wave and diffuse paroxysmal delta activity. No focal discharges seen. Background analysis of the EEG recording shows, high voltage theta waveforms during sleep. In sleep EEG recordings lack of



Biography:

Dr. Rituparna Manna, completed my MBBS at age of 24 years from Medical College, Kolkata, India and started Post graduation in Pediatric Medicine from ABVIMS & Dr. RML Hospital, New Delhi, India in the year of 2018 and presently, post graduate final year student.

Publication:

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