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### Afebrile benign convulsion associated with mild gastroenteritis: A cohort study in a tertiary children hospital

**Mojdeh Habibi Zoham**

Tehran University of Medical Sciences, Iran

**Background:** Benign convulsion with mild gastroenteritis is a new clinical entity that occurs in children who are otherwise healthy.

**Method:** This cohort study held among patients with afebrile convulsion and accompanying gastroenteritis in a tertiary children hospital during a 2-year period. Demographic and clinical data were analyzed. Neurodevelopmental milestones were observed during a follow-up period of 12 to 24 months.

**Results:** Twenty-five patients aged 3 to 48 months with female predominance were enrolled. Ninety-three percent of cases experienced generalized tonic-clonic seizures. One-third of seizures occurred in clusters. Primary laboratory findings and electroencephalography were normal except for 3 with few epileptic waves. During the follow-up period, no seizure recurrence happened. Long-term antiepileptic treatment was unnecessary.

**Conclusion:** Afebrile convulsion accompanying mild gastroenteritis is a convulsive disorder with reassuring prognosis. Due to its benign course, comprehensive neurodiagnostic evaluation and long-term antiepileptic drugs are usually avoidable

#### Biography

Mojdeh Habibi Zohan is a pediatric critical care fellowship who is working as an assistant professor in Tehran University of Medical Sciences, Tehran, Iran. She has certified pediatric critical care specialist and has five years of experience in the field of critical care of pediatrics. She is first aid and PALS certified. She is interested in all fields of pediatrics including pediatric neurology thus this research was established. The entity of this investigation is a novel and useful issue for practicing pediatricians.

mjh\_7409@yahoo.com

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