

Rotavirus

Rotavirus has been associated with [neonatal seizures](#) and specific [white matter magnetic resonance imaging](#) (MRI) abnormalities. Hopmans et al. described monozygotic [twins](#) who not only tested positive for rotavirus with these white matter MRI abnormalities but who also showed an [electroencephalography \(EEG\)](#) pattern characteristic of [early infantile epileptic encephalopathy](#) (EIEE), which has so far solely been described in epileptic encephalopathies with a poor prognosis. This report suggested that rotavirus infection must be added to the list of causes of EIEE EEG and that the outcome then is likely more favorable. As MRI and EEG signs of rotavirus encephalopathy were present in one twin with only subtle neurologic symptoms, rotavirus may well cause insidious central nervous system complications more often. They suggest considering rotavirus infection in [neonates](#) presenting with [seizures](#), and to add rotavirus infection to the differential diagnosis of EIEE ¹⁾.

¹⁾

Hopmans EM, van der Heide A, Chung PK, Brinkman D, Feltkamp MCW, van Dijk JG, Steggerda SJ, Niks EH. [Rotavirus](#)-Induced Neonatal Epileptic Encephalopathy-A Disease Spectrum Illustrated by Monozygotic Twins. *Neuropediatrics*. 2019 Sep 21. doi: 10.1055/s-0039-1695712. [Epub ahead of print] PubMed PMID: 31541999.

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