

# Ictal Midline Epileptiform Discharges in Benign Familial Neonatal Convulsions

Atsushi OGAWA, Shinichi HIROSE, Sawa YASUMOTO,  
Masaharu OHFU and Akihisa MITSUDOME

*Department of Pediatrics, School of Medicine, Fukuoka University, Fukuoka, Japan*

**Abstract :** We herein present an ictal electroencephalogram recording of a patient with benign familial neonatal convulsions. The seizures started on day 4 of life, and the electroencephalogram recording was performed on day 5. An abrupt onset of background attenuation and ictal midline epileptiform discharges were recorded from a scalp electroencephalogram. These midline epileptiform discharges probably reflect the secondary propagation of a remote source of epileptogenic activity. These electro-clinical observations suggest that benign familial neonatal convulsions are classified under epilepsies and syndromes that have not been determined to be either focal or generalized.

**Key words :** Neonatal seizure, Monogenic epilepsy, Ictal electroencephalogram, Midline spikes, Partial seizures