Ictal Midline Epileptiform Discharges in Benign Familial Neonatal Convulsions

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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