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Case Report

Neuronal Migration Disorder: A Case Report of Subcortical Band Heterotopia Associated with Corpus Callosum Agenesis

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Abstract:

Subcortical band heterotopia (SBH) or 'double cortex' is a congenital brain abnormality that results from aberrant migration of neurons during development of the cortex. MRI shows a continuous band of heterotopic gray matter located between the cortex and ventricular walls, separated from them by a thin layer of white matter. The condition is quite rare, found predominantly in females, and is occasionally familial with an X-linked dominant inheritance. Corpus callosum agenesis is another brain abnormality, more common than SBH, diagnosed during neurological examinations for developmental delay. We report a 6-month-old boy with SBH and corpus callosum agenesis associated with uncommon clinical and radiological findings such as polymicrogyria and periventricular cystic area.

Keywords:

Subcortical Band Heterotopia . Corpus Callosum Agenesis . Neuronal Migration Disorder . Seizure . Child

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