

## Role of Diffusion-Weighted Magnetic Resonance Imaging in Diagnostics of Symptomatic Epilepsy with Anomalies of Brain

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### Abstract

The paper presents the results of the evaluation with MRI diffusion in the diagnosis of structural brain damage in children with symptomatic epilepsy in the background of developmental abnormalities of the brain and comparison of changes detected with routine MRI parameters. This unfavorable prognostic criteria is a decline in the fractional anisotropy on the back of higher average diffusion capacity in children with symptomatic epilepsy in the background brain abnormalities.

**Key words:** Magnetic Resonance Imaging, Symptomatic Epilepsy, Diffusion, Brain Anomalies, White Matter, Anisotropy, Mean Diffusion.

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