

### Methotrexate

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#### Seizures and leukodystrophy in children: 2 case reports

A girl and a boy with acute lymphoblastic leukaemia developed seizures and leukodystrophy during treatment with methotrexate [*ages, routes, dosages, durations of treatment to reactions onsets not stated*]. They received the drug between the ages of 4 and 5 and both developed seizures and leukodystrophy. The boy also received cerebral radiation. When the boy was 15 years of age and the girl was 12 years of age, their neurocognitive functioning was assessed. Both had cognitive deficits with the boy showing significantly greater impairments across all neurocognitive functioning domains.

**Author comment:** "*Both were treated. . . with a regimen of methotrexate. In both instances, toxicity was experienced*".

Noggle CA, et al. Methotrexate-induced toxicity plus or minus cerebral radiation: A qualitative comparison of two pediatric all cases. *Journal of Neuropsychiatry and Clinical Neurosciences* 23: 15-16 abstr. P47, No. 2, Mar 2011 - USA 803081650