

Neuroblastoma

- 2-3% of patients with neuroblastoma have opsoclonus-myoclonus-ataxia syndrome
- 50% of those with [opsoclonus](#) have neuroblastoma
- Children with or without tumors cannot be distinguished by neurologic symptoms

Associated symptoms

- Myoclonus
- Ataxia
- drooling
- refusal to walk or sit
- speech problems
- decreased muscle tone
- rage attacks
- inability to sleep

Survival

- 100% at 3 years in those presenting with [opsoclonus](#)
- 78% in those presenting with [Horner syndrome](#)
- 11% in those with orbital metastasis

Late problems

- [Opsoclonus](#) typically resolves
- Cognitive and speech delays
- Motor problems: myoclonus, ataxia, dysarthria, hypotonia
- Cerebellar atrophy on later MRI

Etiology

Tumor producing peptide that is neurotoxic to oculomotor system or anticerebellar antibody

From:

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Last update: **2016/03/22 18:51**

