

see [Thalamopeduncular glioma](#).

Thalamopeduncular tumors arise at the junction of the inferior thalamus and cerebral peduncle, and present with a common clinical syndrome of progressive spastic hemiparesis.

Formal preoperative magnetic resonance imaging (MRI) and diffusion tensor imaging (DTI) were performed. Postoperative MRI was obtained to evaluate the extent of tumor resection. A prospective analysis of clinical outcomes was then conducted by the senior author.

Preoperative tractography is a useful adjunct to surgical planning in tumors that displace motor pathways. Gross total resection of pilocytic astrocytomas usually results in cure, and therefore should be entertained when developing treatment strategies for thalamopeduncular tumors of childhood ¹⁾.

¹⁾

Foley R, Boop F. Tractography guides the approach for resection of thalamopeduncular tumors. Acta Neurochir (Wien). 2017 Jul 3. doi: 10.1007/s00701-017-3257-2. [Epub ahead of print] PubMed PMID: 28674731.

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