

# Basal ganglia nongerminomatous germ cell tumor

Basal ganglia nongerminomatous germ cell tumors comprise 10% to 15% of [germ cell tumor](#) and have substantial morbidity at the time of local failure.

## Case report

A case where neoadjuvant chemotherapy unmasked a unilateral caudate head loss consistent with Huntingtonian changes. Careful review of the patient's imaging identified disease within the dorsal striatum that was not previously identified at the time of diagnosis. Review of the diffusion tensor fractional anisotropy imaging identified progressive white matter likely secondary to the occult disease within the dorsal striatum. Although this patient was asymptomatic and had no signs of a movement disorder, similar findings have been noted to be a prelude to such findings several months later. The occult disease was incorporated into the patient's radiotherapy planning target volume as oversight of these changes would have led to a marginal miss and potential early disease relapse <sup>1)</sup>.

<sup>1)</sup>

Lucas JT Jr, Zapadka M, Houseknecht K, Buckley KS, Couture DE, Brown DR. Accelerated Unilateral Radiographic Huntingtonian Changes Following Neoadjuvant Chemotherapy for a Nongerminomatous Germ Cell Tumor Leading to Identification of Occult Disease in the Dorsal Striatum. J Pediatr Hematol Oncol. 2015 Oct 16. [Epub ahead of print] PubMed PMID: 26479984.

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