



**CLINICAL HISTORY:** 6 wk old, term, developmental delay, microcephaly, seizures

**FINDINGS:**

**BRAIN PARENCHYMA:** No acute infarct or hemorrhage. Markedly enlarged caudate with absent internal capsule, resulting in fused striata bilaterally.

**CORTEX:** Bifrontal band heterotopias are seen as well as bioccipital pachygyria.

**SULCATION:** Delayed for age.

**WHITE MATTER:** Reduced volume. Myelination is delayed for age.

**CORPUS CALLOSUM:** Thinned.

**VENTRICLES:** Enlarged.

**CEREBELLUM:** Hypoplastic.

**VERMIS:** Hypoplastic.

**BRAINSTEM:** Hypoplastic pons.

**MRS:**

NAA:choline ratio: Normal.

Lactate Peak: Absent.

**IMPRESSION:**

Combination of abnormal basal ganglia, malformations of cortical development, microcephaly, and a small cerebellum/brainstem are compatible with a tubulinopathy.

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