Intraventricular Tumor Differential Diagnosis

see also Intraventricular Tumor Diagnosis

- Case report: Pediatric intraventricular Rosai-Dorfman disease: clinical insights and surgical strategies in a decade-long observational study and literature review
- MRI findings in six dogs with ependymoma of the brain and spinal cord
- Left Ventricular Thrombosis in Immune Checkpoint Inhibitor Myocarditis Mimicking ST-Segment Elevation Myocardial Infarction
- Solitary subependymal giant cell astrocytoma lacking TSC1/2 mutations and TTF-1 expression: A potential diagnostic pitfall
- Intraventricular schwannomas: A case report and a literature review
- Fourth Ventricular Rosai-Dorfman Disease Mimicking Intraventricular Tumor in Young Adult: A Rare Case Report
- Ventricular Migration of Vitreous Silicone Oil Masquerading as a Ruptured Colloid Cyst
- A rare trifocal presentation of a choroid plexus papilloma: Case report and review of the literature

Neoplasms of the ventricular wall and septum pellucidum

Ependymoma Differential Diagnosis

Subependymoma Differential Diagnosis

Central neurocytoma Differential Diagnosis

Subependymal Giant Cell Astrocytoma Differential Diagnosis

Neoplasms of the choroid plexus

see Choroid plexus tumors

Medulloblastoma

Intraventricular Meningioma

Chordoid glioma

Rosette forming glioneuronal tumor

Central nervous system lymphoma

Intraventricular Metastases [1].

MR spectroscopy (MRS) can be useful in characterizing intraventricular tumor and distinguishing CNCs from meningiomas and other intraventricular tumors [2].

Intraventricular Vascular Lesion [3]

In adults, and depending on location, consider:

Choroid plexus papilloma, metastasis, cysticercosis.

Intraventricular ependymoma

Intraventricular meningioma

Subependymoma

Central neurocytoma

exophytic glioma

Papillary ependymoma is a rare variant of ependymoma and often gives rise to confusion with choroid plexus papilloma because of topographic, light microscopic and ultrastructural similarities.

1)
Muly S, Liu S, Lee R, Nicolaou S, Rojas R, Khosa F. MRI of intracranial intraventricular lesions. Clin Imaging. 2018 Aug 1;52:226-239. doi: 10.1016/j.clinimag.2018.07.021. [Epub ahead of print] Review. PubMed PMID: 30138862.
2)
Shah T, Jayasundar R, Singh VP, Sarkar C. In vivo MRS study of intraventricular tumors. J Magn Reson Imaging. 2011 Nov;34(5):1053-9. doi: 10.1002/jmri.22711. Epub 2011 Aug 23. PubMed PMID: 22002756.
3)
Lv H, Wang X. Space-occupying Intraventricular Vascular Lesion in Tuberous Sclerosis Complex. Neurologist. 2022 Jan 26. doi: 10.1097/NRL.0000000000000415. Epub ahead of print. PMID: 35081607.