Xanthoastrocytoma

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Synonyms

[Pleomorphic xanthoastrocytoma \(PXA\)](#)

Definition

Xanthoastrocytoma is a rare, low-grade type of astrocytoma most commonly found in children and young adults. Prognosis is usually favorable. The temporal or tempoparietal lobes are common sites of occurrence, and there is usually leptomeningeal involvement. Seizures are the most common initial symptoms. Other symptoms include headaches, nausea, vomiting, and visual disturbances. Focal neurological signs such as hemiparesis or aphasia can also be present,

though less commonly. Surgical intervention is often the first-line treatment and typically results in a favorable outcome, even in cases of incomplete removal. In rare cases, these types of tumors have been known to recur or become malignant.

Cross-References

- ▶ [Astrocytoma](#)
- ▶ [Brain Tumor](#)
- ▶ [Neoplasms](#)
- ▶ [Pleomorphic, Pleomorphism](#)
- ▶ [Tumor Grade](#)

References and Readings

- Crespo-Rodriguez, A. M., Smirniotopoulos, J. G., & Rushing, E. J. (2007). MR and CT imaging of 24 pleomorphic xanthoastrocytomas (PXA) and a review of the literature. *Neuroradiology*, 49(4), 307–315.