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ABSTRACT. Background: Astroblastoma is one of the most unusual tumors of the central nervous system, with undetermined histogenesis. It occurs mainly in children and young adults, but has been described in congenital cases and elderly. These types of tumors are generally common in women (2:1 ratio) and of supratentorial location (91%). The clinical picture depends on the location but usually present with headache, neurological deficits, increased intracranial pressure, nausea, vomiting, visual disturbances and seizures. Macroscopically it's a well-defined lesion, histologically consisting of perivascular pseudorosettes, with frequent vascular hyalinization, variable positivity for glial fibrillary acidic protein, S100 protein, vimentin and focal positivity for epithelial membrane antigen. **Case presentation**: 37 year old male with headache and partial seizures, in whom studies of magnetic resonance imaging showed a cystic lesion in the left temporal lobe , with characteristic histological findings of astroblastoma. **Conclusion**: astroblastomas are rare tumors, usually well circumscribed and non-infiltrative lesions whose prognosis depends on the histologic grade and complete resection of the tumor.

Keywords: *Astroblastoma, diagnosis, neuroepithelial neoplasms, prognosis.*