

Malignant intraventricular meningioma

Malignant [intraventricular meningiomas](#) (IVMs) are very rare with only a few reported cases. A midline search up to December 2020 selected 40 articles for a total of 65 patients. The inclusion criteria were series and case reports in the English language, as well as papers written in other languages, but with abstracts written in English. Malignant IVMs at the first diagnosis (group A, 50 patients) and those with an anaplastic transformation from previous WHO grades I and II tumors (group B, 15 patients) were separately analyzed. The unique personal case among 1285 meningiomas (0.078%) is also added. Malignant IVMs mainly occur in women (61%) with a median age of 45 years and are mainly located in the lateral ventricle (93%) and trigonal region (74%), with no cases in the fourth ventricle. Irregular borders (80%), heterogeneous enhancement (83%), and perilesional edema (76%) are the most frequent radiological findings. The histology was mainly pure anaplastic (85%), whereas papillary (7%), rhabdoid (5%), and mixed forms (3%) are very rare. The CSF spread was found in 60% of the cases. The prognosis is very dismal, with overall median survival of 17.5 months after surgery for the anaplastic forms. Malignant IVMs at initial diagnosis (group A) show better overall survival (25 months) than those occurring from an anaplastic transformation of lower-grade tumors (group B) (10.1 months) ¹⁾

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Maiuri F, Mariniello G, Barbato M, Corvino S, Guadagno E, Chiariotti L, Del Basso De Caro M. Malignant intraventricular meningioma: literature review and case report. *Neurosurg Rev.* 2022 Feb;45(1):151-166. doi: 10.1007/s10143-021-01585-3. Epub 2021 Jun 23. PMID: 34159472.

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