

Atypical meningioma outcome

In [atypical meningiomas](#) bone involvement and large [meningioma peritumoral edema](#) are associated with increased tumor progression.

[Ki-67 index](#) >10% was associated with a trend toward worse PFS. Given the long-term survival, high recurrence rates, and efficacy of salvage therapy, patients with atypical and [malignant meningiomas](#) should be monitored systematically long after initial treatment ¹⁾.

The rarity and the inconsistent criteria for defining atypical meningioma prior to the WHO 2007 classification made its management and prognostic factors poorly understood. Only few articles have addressed the [survival rates](#) of WHO-classified atypical meningiomas. The small number or the disproportionate representation of irradiated patients was a weakness for these articles.

The most important prognostic factor in determining recurrence was Simpson grading. There was no statistically significant impact of adjuvant radiotherapy on the recurrence of atypical meningiomas. [Metaanalysis](#) for the existing literature is needed ²⁾.

Recurrence

[Atypical Meningioma Recurrence.](#)

¹⁾

Kent CL, Mowery YM, Babatunde O, Wright AO, Barak I, McSherry F, Herndon JE 2nd, Friedman AH, Zomorodi A, Peters K, Desjardins A, Friedman H, Sperduto W, Kirkpatrick JP. Long-Term Outcomes for Patients With Atypical or Malignant Meningiomas Treated With or Without Radiation Therapy: A 25-Year Retrospective Analysis of a Single-Institution Experience. *Adv Radiat Oncol.* 2021 Dec 24;7(3):100878. doi: 10.1016/j.adro.2021.100878. PMID: 35647401; PMCID: PMC9133398.

²⁾

Hammouche S, Clark S, Wong AH, Eldridge P, Farah JO. Long-term survival analysis of atypical meningiomas: survival rates, prognostic factors, operative and radiotherapy treatment. *Acta Neurochir (Wien).* 2014 Aug;156(8):1475-81. doi: 10.1007/s00701-014-2156-z. Epub 2014 Jun 26. PubMed PMID: 24965072.

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Last update: **2025/05/13 02:04**

