

# Meningioma growth

The mean volumetric growth rate was significantly greater than the planimetric growth rate, suggesting that volumetric measurement conveys more information and is superior in assessing tumor growth. This information could have clinical value in determining the frequency of follow-up imaging and the urgency of surgical intervention <sup>1)</sup>

Active [monitoring](#) seems a safe and appropriate first-line [management](#) of [incidental meningiomas](#). [Intervention](#) was avoided in > 40% with indolent tumors in a cohort. Treatment was not compromised by [meningioma growth](#). Clinical [follow-up](#) seems sufficient beyond 5 years if self-limiting growth is established. Steady or accelerating growth warrant monitoring until they reach a stable state or intervention is initiated <sup>2)</sup>

<sup>1)</sup>

Zeidman LA, Ankenbrandt WJ, Du H, Paleologos N, Vick NA. Growth rate of non-operated meningiomas. J Neurol. 2008 Jun;255(6):891-5. doi: 10.1007/s00415-008-0801-2. Epub 2008 Mar 20. PMID: 18350353.

<sup>2)</sup>

Strømsnes TA, Lund-Johansen M, Skeie GO, Eide GE, Behbahani M, Skeie BS. Growth dynamics of incidental meningiomas: A prospective long-term follow-up study. Neurooncol Pract. 2022 Nov 12;10(3):238-248. doi: 10.1093/nop/npac088. PMID: 37188168; PMCID: PMC10180371.

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