

Consistency grading system

Dentro de las [escalas](#), esta es una propuesta como sistema de clasificación del [meningioma](#) basado en su consistencia quirúrgica.

Proporciona una evaluación fiable, práctica y también cuenta la heterogeneidad en la consistencia del tumor.

La consistencia puede estandarizarse como base para estudios futuros relacionados con los resultados quirúrgicos, la previsibilidad de la consistencia y la vascularización mediante técnicas de neuroimagen, y la eficacia de los diferentes instrumentos quirúrgicos ¹⁾.

Consistency Score	General Description	Capsule Characteristics	Exemplary Instrument(s) Used for Internal Debulking
1	extremely soft tumor	capsule easily folded or no capsule	suction
2	soft tumor; bulk of tumor freely suctioned; fibrous stroma remains	capsule easily folded following partial internal debulking	majority done w/ suction; fibrous stroma resected w/ capsule
3	average consistency; cannot be freely suctioned; requires some degree of mechanical debulking	capsule folds following sufficient debulking	piecemeal resection; ultrasonic aspiration or other mechanical debulking device, often at low setting; sharp dissection
4	firm tumor; requires mechanical debulking	firm capsule; difficult to collapse despite tumor debulking	piecemeal resection, ultrasonic aspiration, loop cautery, or other mechanical debulking, often at high setting; sharp resection or loop cautery
5	extremely firm &/or calcified tumor; may approach density of bone; often requires en bloc resection	rigid capsule that does not fold or collapse	difficult to debulk even w/ ultrasonic aspiration, cautery loop, or mechanical/sharp dissection

Bibliografía

¹⁾

Zada G, Yashar P, Robison A, Winer J, Khalessi A, Mack WJ, Giannotta SL. A proposed grading system for standardizing tumor consistency of intracranial meningiomas. *Neurosurg Focus*. 2013 Dec;35(6):E1. doi: 10.3171/2013.8.FOCUS13274. PubMed PMID: 24289117.

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