

Marginal tentorial artery

The marginal tentorial artery runs over the free edge of the tentorium. Different origins have been described, always involving branches of the [carotid artery](#).

Lenck et al. report the superior cerebellar artery as an unknown origin of this artery.

They developed a strategy in a case of a tentorial meningioma mainly supplied by this artery.

A 53-year-old man was admitted for the surgical treatment of a large [tentorial meningioma](#) and [petroclival meningioma](#). A 2D conventional angiogram was insufficient to detect the tumoral blush. A 3D digital subtraction angiogram (DSA) of the [vertebral artery](#) highlighted a blush arising from a marginal tentorial artery fed by the superior cerebellar artery. Selective embolization of this branch led to significant devascularization of the tumor. A total tumor resection was performed 24 h after embolization without complication. The dural medial tentorial artery of the superior cerebellar artery is relatively unknown and courses at the inferior surface of the tentorium.

They report the first case in which the marginal tentorial artery arises from this artery. Major bleeding may result from its section or its avulsion from the superior cerebellar artery during surgery; its preoperative diagnosis is thus essential. In this case, a 3D-DSA with dual volume visualization was more sensitive than a 2D conventional angiogram to detect such an anatomic variant.

The recognition of this anatomic variant may be essential to avoid hemorrhagic complications during surgery of hypervascular tumors of the [tentorium](#)¹⁾.

1)

Lenck S, Watanabe K, Saint-Maurice JP, Labidi M, Labeyrie MA, Froelich S, Houdart E. Tentorial meningioma supplied by a marginal tentorial artery arising from the superior cerebellar artery: Anatomic and technical considerations. *Interv Neuroradiol*. 2017 Jan 1;1591019917698928. doi: 10.1177/1591019917698928. [Epub ahead of print] PubMed PMID: 28330424.

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