

C1 cervical schwannoma

Dumbbell spinal schwannoma C1 are rare lesions that involve both intra- and extradural compartments. Because of the intimate relationships these lesions develop with the third and fourth segments of the vertebral artery, surgical removal of these lesions remains a challenge.

Method: We describe the key steps of the far lateral approach for dumbbell-shaped C1 schwannomas with a video illustration. The surgical anatomy is described along with the techniques for protecting the vertebral artery.

Conclusion: Dumbbell-shaped C1 schwannomas can be safely removed by using the far lateral approach, surgical anatomy expertise, and intraoperative microvascular Doppler ¹⁾.

¹⁾

Xu M, Wang Y, Xu J, Zhong P. Far lateral approach for dumbbell-shaped C1 schwannomas: how I do it. Acta Neurochir (Wien). 2024 Feb 10;166(1):78. doi: 10.1007/s00701-024-05987-2. PMID: 38340183.

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