

# Cervical spinal extradural meningioma

see also [Cervical spinal intradural meningioma](#).

Pant et al., report a case of extradural meningioma in a 50-year-old male located in the cervical spine that was surgically treated with the provisional diagnosis of a neurofibroma. Histopathological diagnosis of [meningotheelial meningioma](#) was made with the routine hematoxylin and eosin (HE) stain. The origin, clinical course, radiological features, pathological findings with the differential diagnosis and surgical treatment are discussed based on a review of the literature. An extradural spinal meningioma, an extremely rare entity, is still a diagnostic dilemma on radiology as the radiologic findings overlap with many other common extradural spinal masses <sup>1)</sup>.

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Bettaswamy et al., describe two cases of EDSM affecting the cervical spine and present their clinical profiles, radiological findings, operative management, and follow-up data, along with a review of the literature <sup>2)</sup>.

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Benzagmout et al., report a case of spinal epidural meningioma diagnosed in an elderly woman complaining of right cervicobrachial pain of several years duration, associated with diffuse paresthesia and permanent numbness of her right index finger. The surgical removal of the tumor was incomplete because of the deep lateral extension of the lesion <sup>3)</sup>.

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A 45-year-old woman presented with posterior cervicothoracic pain for 8 months following a motor vehicle crash. Magnetic resonance imaging of the cervical spine revealed an enhancing epidural mass. Computerized tomography of the chest, abdomen, and pelvis revealed no systemic disease. Due to the lesion's unusual signal characteristics and location, an open surgical biopsy was completed, which revealed a psammomatous meningioma. Surgical decompression of the spinal cord and nerve roots was then performed. The resection was subtotal due to the extension of the tumor around the vertebral artery <sup>4)</sup>.

## Unclassified

2: Lai AL, Salkade PR, Chuah KL, Sitoh YY. Extradural cervical spinal meningioma mimicking malignancy. J Radiol Case Rep. 2018 Oct 31;12(10):1-10. doi: 10.3941/jrcr.v12i10.3498. eCollection 2018 Oct. PubMed PMID: 30651905; PubMed Central PMCID: PMC6312118.

<sup>1)</sup>

Pant I, Gautam VKS, Kumari R, Chaturvedi S. Spinal tumour: primary cervical extradural meningioma at an unusual location. J Spine Surg. 2017 Sep;3(3):509-513. doi: 10.21037/jss.2017.08.11. PubMed PMID: 29057366; PubMed Central PMCID: PMC5637193.

<sup>2)</sup>

Bettaswamy G, Ambesh P, Das KK, Sahu R, Srivastava A, Mehrotra A, Jaiswal A, Jaiswal S, Behari S. Extradural spinal meningioma: Revisiting a rare entity. J Craniovertebr Junction Spine. 2016 Jan-

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Mar;7(1):65-8. doi: 10.4103/0974-8237.176630. PubMed PMID: 27041890; PubMed Central PMCID: PMC4790153.

<sup>3)</sup>

Benzagmout M, Azzal F, Bitar A, El Faïz Chaoui M, Van Effenterre R. Cervical spinal extradural meningioma: Case report. Neurochirurgie. 2010 Oct;56(5):401-3. doi: 10.1016/j.neuchi.2010.05.004. Epub 2010 Jun 29. PubMed PMID: 20591451.

<sup>4)</sup>

Frank BL, Harrop JS, Hanna A, Ratliff J. Cervical extradural meningioma: case report and literature review. J Spinal Cord Med. 2008;31(3):302-5. Review. PubMed PMID: 18795481; PubMed Central PMCID: PMC2565566.

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