

# Angiosarcoma

Angiosarcomas (ASs) are rare malignant vascular tumours.

They often arises as a cutaneous disease in the scalp and the face, only occasionally occur in the spine. The prognosis is generally poor due to rarity of the condition as well as lack of data of treatment options.

## Primary Central Nervous System Angiosarcoma

[Primary Central Nervous System Angiosarcoma](#)

## Systematic review

Angiosarcoma-related cerebral metastases have only been recorded in a few case reports and case series and have not been systematically reviewed to date. Our objective was therefore to perform a systematic literature review on cases of angiosarcomas metastasizing to the brain to inform current practice. All three major libraries-PubMed/MEDLINE, Embase, and Cochrane-were systematically searched, until January 2019. Articles in English reporting angiosarcoma-related cerebral metastases via hematogenous route were included. Our search yielded 45 articles (38 case reports, 5 retrospective studies, 1 case series and 1 letter to the editor), totaling 48 patients (mean age 47.9 years). The main primary site was the heart. The mean time of diagnosis of cerebral metastases following primary tumor identification was 4.9 months. In 15 cases, the brain was the only metastatic site. In cases of multiple extracerebral metastases, the most common sites were the lung and bone. Acute intracerebral supratentorial hemorrhage was the most common presenting radiological feature. Treatment strategies were almost equally divided between the surgical (with or without adjuvant treatment) and the medical arm. Mean overall survival was 7.2 months while progression-free survival was 1.5 months. To our knowledge, this is the first systematic literature review on angiosarcoma-related cerebral metastases. This pathology proves to be an extremely rare clinical entity and carries a poor prognosis, and no consensus has been reached regarding treatment <sup>1)</sup>.

## Case reports

[Angiosarcoma case reports.](#)

## References

<sup>1)</sup>

Drosos E, Kalyvas A, Komaitis S, Skandalakis GP, Kalamatianos T, Liouta E, Neromyliotis E, Alexiou GA, Stranjalis G, Koutsarnakis C. Angiosarcoma-related cerebral metastases: a systematic review of the literature. *Neurosurg Rev.* 2019 Jun 4. doi: 10.1007/s10143-019-01127-y. [Epub ahead of print] Review. PubMed PMID: 31165296.

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