

Meningioma with Collagenous Rosettes

Formation of rosettes is very rarely encountered in meningiomas.

The [World Health Organization Classification of Tumors of the Central Nervous System 2016](#) mentions it as a rare pattern secondarily encountered in different variants.

Vaidya et al., report three cases of meningiomas forming collagenous rosettes.

Case 1 was a 60-year-old male with a right frontoparietal mass lesion. Excisional biopsy showed features of [atypical meningioma](#) (WHO Grade II) with diffusely scattered collagenous rosettes.

Case 2 was a 48-year-old male with right frontoparietal space-occupying lesion. Microscopy revealed a papillary variant of meningioma (WHO Grade III) with prominent diffusely scattered collagenous rosettes.

Case 3 was a 75-year-old female with left parietal convexity tumor. Microscopy revealed a clear-cell meningioma (WHO Grade II) with cerebral invasion. Focal collagenous rosettes and fibrosclerotic whorls were noted. In all three cases, Masson's trichrome was used to confirm collagenous nature of the rosettes. All three tumors were positive for epithelial membrane antigen and vimentin ¹⁾.

¹⁾

Vaidya MM, Shenoy AS, Goel NA. Meningiomas with Collagenous Rosettes: A Report of Three Cases. Asian J Neurosurg. 2019 Apr-Jun;14(2):568-570. doi: 10.4103/ajns.AJNS_256_18. PubMed PMID: 31143285; PubMed Central PMCID: PMC6516015.

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