

# Cystic Meningioma Classification

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It's worth noting that the classification of [cystic meningiomas](#) is not always straightforward, and there can be some variation in how different experts classify these tumors.

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Nauta et al. divided [cystic meningiomas](#) into four subtypes according to the location of the [cyst](#) with respect to the brain and [meningioma](#) <sup>1)</sup>.

type 1: intratumoral cyst(s), located centrally within the meningioma

type 2: intratumoral cyst(s), situated peripherally within the meningioma but still surrounded by tumour

type 3: cyst(s) located within the adjacent brain

type 4: cyst(s) located between the meningioma and brain (arachnoid cyst)

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Worthington et al. later modified in 1985 the classification, which is the most widely used classification. <sup>2)</sup>

type 1: intratumoral cyst(s), located centrally within the meningioma

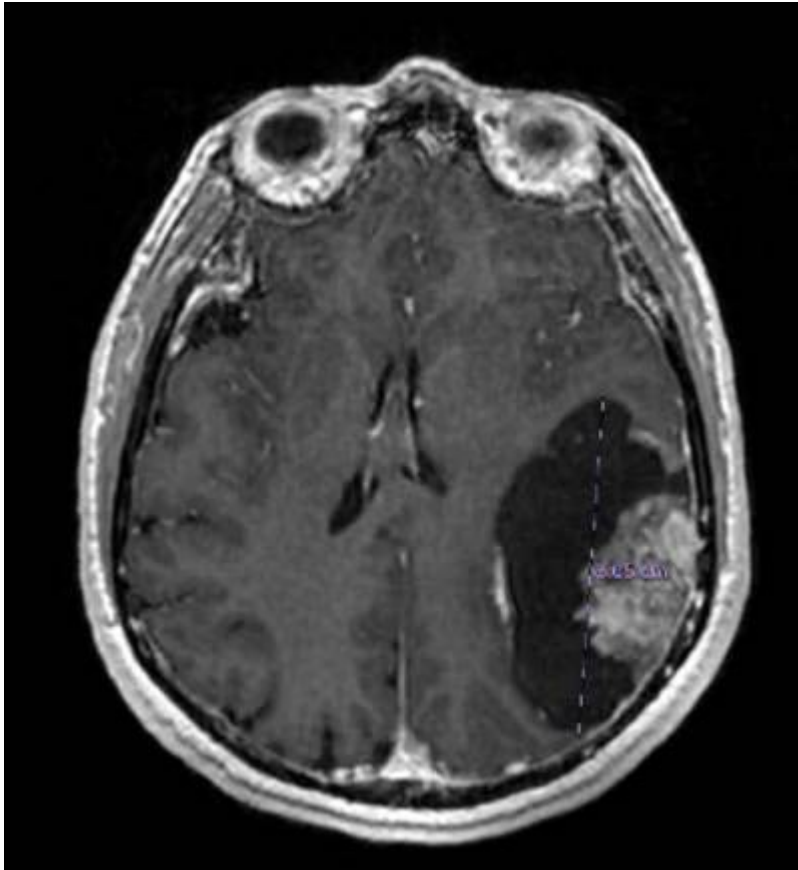
type 2: intratumoral cyst(s), situated peripherally within the meningioma but still surrounded by tumor

type 3: cyst wall may contain a nest of tumor cells.

type 4: cyst(s) located within the adjacent brain

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type 5: cyst(s) located between the meningioma and brain (arachnoid cyst)



4th type is most common.

1)

Nauta HJ, Tucker WS, Horsey WJ, Bilbao JM, Gonsalves C. Xanthochromic cysts associated with meningioma. J Neurol Neurosurg Psychiatry. 1979 Jun;42(6):529-35. doi: 10.1136/jnnp.42.6.529. PMID: 469560; PMCID: PMC490257.

2)

Worthington C, Caron JL, Melanson D, Leblanc R. Meningioma cysts. Neurology. 1985 Dec;35(12):1720-4. doi: 10.1212/wnl.35.12.1720. PMID: 4069363.

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