

Rathke's cleft cyst differential diagnosis

Cystic pituitary neuroendocrine tumors and cystic craniopharyngiomas may mimic [Rathke's cleft cysts](#) when there is no solid enhancing component on magnetic resonance imaging (MRI).

Craniopharyngioma

no gender difference similar age group usually suprasellar or have a suprasellar component tend to calcify

Rathke cleft cysts can be distinguished from pure cystic adenoma and craniopharyngioma with the presence of an intracystic nodule, T2 [Hypointensity](#), the absence of the thick contrast-enhancing wall, and absence of intralesional septations ¹.

arachnoid cyst older patients no gender difference

epidermoid cyst usually suprasellar restriction on DWI

teratoma usually has solid components often fatty signal [Related articles](#)

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[pituitary tumours\[+\] cellular infiltrates\[+\] other lesions anterior circulation berry aneurysm](#)

[hamartoma \(tuber cinereum hamartoma\)](#)

[Rathke cleft cyst intracranial lipoma sphenoid sinus mucocoele pituitary abscess pituitary stone](#)

[pituitary abscess](#) ².

¹⁾

Altintas Taslicay C, Dervisoglu E, Cam I, Yaprak Bayrak B, Mese I, Anik I, Ceylan S, Anik Y. Differentiation of pure cystic sellar lesions on magnetic resonance imaging. *Neuroradiol J*. 2023 Mar 9;19714009221147223. doi: 10.1177/19714009221147223. Epub ahead of print. PMID: 36891824.

²⁾

Yang C, Bao X, Liu X, Deng K, Feng M, Yao Y, Wang R. Rathke cleft cyst masquerading as pituitary abscess: A case report. *Medicine (Baltimore)*. 2017 Mar;96(10):e6303. doi: 10.1097/MD.00000000000006303. PubMed PMID: 28272259; PubMed Central PMCID: PMC5348207.

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