

Neurocytoma of the pituitary gland

Tumors with hypothalamic neuronal differentiation are classified as [gangliocytomas](#) or [neurocytomas](#) based on large and small cell sizes, respectively ¹⁾

Case reports

A 56-year-old male patient with [bitemporal hemianopsia](#). Computed tomography and magnetic resonance imaging revealed a tumor in the sellar region. The tumor was totally excised. Postoperative histological examination of the tumor demonstrated that [synaptophysin](#), chromogranin-A and neuron-specific enolase were positive, while luteinizing hormone, follicle-stimulating hormone, growth hormone, prolactin, adrenocorticotrophic hormone, thyroid-stimulating hormone, glial fibrillary acidic protein, S-100, nestin and epithelial membrane antigen were negative, which were the main pathological features of [neurocytomas](#). This is the fourth case of EVN located in the sellar region reported ²⁾.

¹⁾

Asa SL, Mete O, Perry A, Osamura RY. Overview of the [2022 WHO Classification](#) of [Pituitary Tumors](#). Endocr Pathol. 2022 Mar;33(1):6-26. doi: 10.1007/s12022-022-09703-7. Epub 2022 Mar 15. PMID: 35291028.

²⁾

Peng P, Chen F, Zhou D, Liu H, Li J. Neurocytoma of the pituitary gland: A case report and literature review. Biomed Rep. 2015 May;3(3):301-303. Epub 2015 Feb 16. PubMed PMID: 26137226.

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