

# Human papillomavirus-related multiphenotypic sinonasal carcinoma

Human papillomavirus (HPV)-related multiphenotypic sinonasal carcinoma (HMSC), is a new entity that is restricted to the [sinonasal tract](#) and is associated with high-risk HPV. This tumor is suggested to have an indolent behavior with a better prognosis than other carcinomas.

see [Brain invasion in Human papillomavirus-related multiphenotypic sinonasal carcinoma](#)

A unique case of HMSC with a locally aggressive behavior. It is about a 61-year-old men presented with 12 months of unilateral progressive olfactory dysfunction accompanied by exophthalmia of the left eye, declining vision and headaches for 6 months. Computed tomography imaging revealed a voluminous mass occupying the ethmoid, maxillary and frontal sinus with bony destruction of the left ethmoidal blade. Histology showed a tumor composed of variably sized nests, separated by thick mucoid stroma. Tumor cells are plasmacytoid with hyperchromatic nuclei and frequent mitoses. Immunohistochemistry revealed that these cells were positive for cytokeratin AE1/AE3, p16 and negative for CK7, CK20, CD117, p40, p63, S100, synaptophysin and chromogranin <sup>1)</sup>.

<sup>1)</sup>

Abdeljelil NB, Mabrouk S, Khalfaoui S, Farjaoui M, Bellalah A, Zakhama A, Hadhri R. Human papillomavirus-related multiphenotypic sinonasal carcinoma: a clinico-pathological dilemma case report. Pan Afr Med J. 2021 May 26;39:78. doi: 10.11604/pamj.2021.39.78.26043. PMID: 34422201; PMCID: PMC8363977.

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