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Intranasal condyloma acuminatum with malignant transformation

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Condyloma acuminatum is transmitted by the human papillomavirus (HPV). Generally, it is a benign entity but carcinomatous change have been reported in anogenital area. The malignant transformation is associated with the immunocompromised patient, especially HIV. Condyloma acuminatum is uncommonly identified in the nasal cavity, the malignant transformation is extremely rare. We present a 48-year-old man suffering from progressive right nasal obstruction with epistaxis for six months. Physical examination revealed a cauliflower-like lesion over the right nasal vestibule, expanding to the septum. Due to this, male had history of penile condyloma acuminatum, biopsy was done and sent hc2 high-risk-HPV DNA testing. The results was compatible with condyloma acuminatum and negative for high-risk-HPV infection; Eradication surgery was performed. Necrotic tissue with pus content was buried in the lesion. This mass was completely excised eventually. The formal histopathology reported condyloma acuminatum with focal invasive squamous cell carcinoma. Human papillomavirus types 16 and 18 are found in up to 90% of patients with cervical carcinoma¹, however HPV type 6 and HPV type 11 are the main factors in developing giant condyloma acuminatum, which is reported 56% incidence of malignant transformation. Abscesses and fistulas are more common in lesions as described in our case. Immunosuppression, coexisting HIV infection, and unhygienic conditions play a role in malignant transformation. In conclusion, condyloma acuminatum with invasive squamous cell carcinoma is rarely found in the nasal cavity, more cases should be obtained for more comprehensive understanding.

Biography

TengchinWang has completed his MD from Chung Shan Medical University. He is the Director of Department of Otolaryngology, Tainan Municipal Hospital. He is a member of European Rhinology Society and interested in managing sinonasal diseases.

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