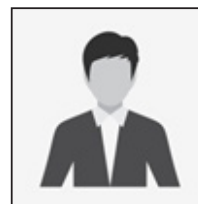


Schwannoma of the nasal septum: A rare case

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Abstract

Schwannomas are benign tumors originated in the neural crests derived from Schwann cells. It is rarely seen in the nose and paranasal sinuses, and it very rarely originates from the nasal septum. We report the case of a 56 year-old male admitted to the department of otolaryngology – head and neck surgery at Avicenna Military Hospital in Marrakech (Morocco), with the complaint of a progressive left nasal obstruction since the last 9 months. Local examination and rigid endoscopy showed a smooth polypoid lesion completely filling the left nasal fossa, with a pedicle in the posterior septum region. Contrast enhanced computed tomography and magnetic resonance imaging suggested a benign origin. The tumor was completely removed via an endoscopic approach and histopathologic examination revealed a schwannoma. We believe that this rare type of tumors should be considered in the differential diagnosis of patients with unilateral nasal obstruction, and that endoscopic endonasal excision is a minimally invasive approach that offers a magnified surgical view and provides lower morbidities.

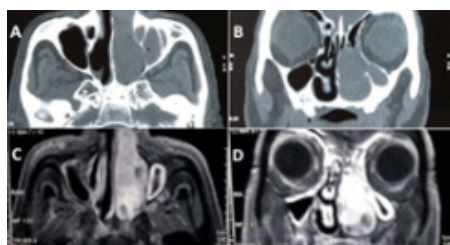


FIGURE 1:
A (axial view) and B (coronal view): CT scan showing a tumor in the left nasal cavity and maxillary sinus.
C (T1 FS axial view) and D (T1 coronal view): MRI showing the tumor in the left nasal cavity with retained secretions in the ipsilateral maxillary sinus

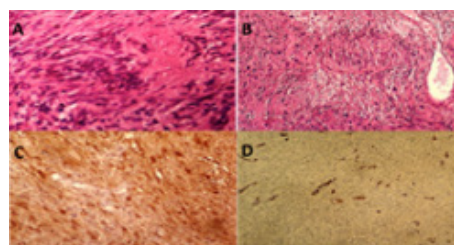


FIGURE 2:
A: (x20) and B (x40): Microscopic appearance of the tumor showing spindle cells proliferation with Antoni A pattern and Antoni B: areas with nuclear palisading (heatoxylin-eosine staining).
C: S100 protein showing a diffuse staining as a characteristic feature for schwannoma.
D: Immunohistochemistry showing CD34 negativity in tumor cells with blood vessels marking



Biography

Amine En-nouali was born on December 24th 1987 in Marrakesh Morocco. Currently, he is practicing in the department of otolaryngology - head and neck surgery of the Avicenna Military Hospital in Marrakesh Morocco.

Publications

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