Angioleiomyoma of the nasal septum

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INTRODUCTION

Leiomyoma is a benign smooth muscle tumor, more commonly found in the uterus (95%), skin (3%), nutritional and gastrointestinal tracts (1.5%) 1. It was initially described in the nasal cavity by Maesaka et al. in 1966 2.

The goal was to describe a case with clinical manifestations and histopathology findings of angioleiomyoma of the nasal septum, a rare benign neoplasia which represents less than 1% of all the leiomyomas in the human body 3.

CASE PRESENTATION

M.F.L.S., 62 years, female, African descent, she came to our ENT service complaining of a tumor in her left nasal cavity with six years of evolution. In the three initial years it had a progressive growth, associated with low volume epistaxis episodes. After such period, she developed nasal obstruction on the left side and facial pain. Upon physical exam and fibroscopy we noticed a brown, smooth, pedicled lesion on the left-side septum, well outlined, measuring approximately 4 x 2 cm, completely occluding the left nasal cavity and pushing the nasal septum. CT scan of the paranasal sinuses showed a well-outlined soft tissue mass, pushing the septum and the lateral wall. Biopsy reported leiomyoma. Later on, the tumor was endoscopically resected, with a 1 cm margin, considered adequate according to anatomical and pathological criteria. Microscopy showed polypoid fragments, coated by a single layer of cylindrical hair cells, typical pseudostratified, showing in the stroma, typical leiomyoma bundles around the thick walls of vessels. (Fig. 1)

DISCUSSION AND FINAL REMARKS

This is a slow growth tumor. The most common symptoms are: nasal obstruction, epistaxis, facial pain and headaches. He most frequent treatment for nasal septum angioleiomyoma is endoscopic resection with macroscopic margin, and this was the treatment option for this case - excision with macroscopic and microscopic free margins. Vascular leiomyomas are bundles of smooth muscle cells, relatively organized, and permeated by thick wall vessels 4.

The nasal septum vascular leiomyoma is an extremely rare tumor, of uncertain origin 5. Resection is the procedure of choice and it bears a high cure rate. The endoscopic procedure is a good option for small to moderate size tumors 6.

REFERENCES