A Case of Glomangiopericytoma of the Nasal Cavity

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The glomangiopericytoma (a sinonasal-type hemangiopericytoma) is a rare tumor arising from the pericytes surrounding capillaries and shows variable malignant potential. We describe herein a case of a 60-year-old female with a glomangiopericytoma of the nasal cavity. After preoperative embolization, it was successfully treated with endoscopic excision. Histological examination showed multiplication of short spindle-shaped cells which reacted to immunostaining for α-smooth muscle actin. She had an uneventful postoperative course and remains well 12 months after surgery, without any tumor recurrence. Endoscopic surgery can be considered an effective treatment for the resection of this tumor type, when the tumor base can be visualized and the disease extent accurately defined.

Keywords: glomangiopericytoma, embolization, endoscopic excision

References


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Intranasal findings. A red tumor can be seen originating from the nasal septum.

Coronal T1-weighted MRI with Gadolinium showing a homogeneously enhanced tumor centering the posterior ethmoid sinus

Histopathologic examination showing proliferation of small, oval to spindle-shaped cells (A: H&E; original magnification X400) positive for α-smooth muscle actin (B: original magnification X200).