Retropharyngeal Space Lipoma: Case Report and Bibliographic Review

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Introduction

Lipomas are common benign lesions of mesenchymal origin that generally present as encapsulated subcutaneous or submucosal masses in the surface of soft tissue. Among 15% of Lipomas present in the head and neck, and the most common affected region is the posterior triangle of the neck. Nevertheless, other regions can also be affected. Lipomas presenting in the retropharyngeal space are very rare. Less than 40 cases have been referred in medical literature.

The retropharyngeal space extends from the skull base, between the middle and deep layers of the deep cervical fascia, in the posterior midline of the pharynx, to the level of T2 to T6, where these two layers of fascia fuse. Normally this space is fulfilled by fat tissue and by two longitudinal chains of lymphnodes in the suprathyroid portion.

Neoplasms in the retropharyngeal space remain asymptomatic until they reach a critical size, resulting in severe symptoms such as dysphagia and obstructive sleep apnea (OSA).

Most of related references available refer to major tumors, with more pronounced symptoms and, when surgery was the treatment of choice, larger surgeries were performed.

We present a case of a patient whose main symptoms were related to a chronic rhinosinusitus associated to an unexpected mass in rhinopharynx.

Material and Methods

A 46 year-old female patient came to consultation referring frontal/maxillary headache, progressive nasal obstruction, right cough, and posterior discharge. The symptoms began about 6 months before, and they became worse from 4 to 5 weeks earlier.

In her personal medical history her mother was treated for a Nasopharyngeal Lymphop epithelioma and nothing else relevant besides being a smoker.

The patient had undergone three treatments for an Acute Rhinosinusitis in another medical service. After no relief of symptoms, she underwent a CT Scan, which showed opacification of the right maxillary sinus, a deviated nasal septum, a bullous middle turbinate and an unusual mass at the rhinopharynx.

A surgical procedure was suggested.

A fibronasoscopy was made and an unusual mass was seen at the rhinopharynx. (Fig. 1) At this point she came to our service. We chose to proceed with an endoscopic endonasal surgery, with transoral approach, and a small portion of the tumor in the oralpharynx was resected by transoral approach.

As far as we know, this is the first case which a minimally invasive surgery has been performed as treatment, with endoscopic endonasal approach combined with the transoral approach, providing not only the cure and complete relief of symptoms of the patient, but a short-term postoperative hospital care.

Results

The patient is totally free of those symptoms that had motivated her to seek for medical help, the headache is gone, and her nasal breathing is better than ever.

Conclusion

Although the pathology described is very rare, this is one more reported case. Nowadays more and more imaging resources available are being used. We believe that diagnosed cases of retropharyngeal space lipomas may rise.

References