

## Ossifying fibroma of the inferior turbinate

### Alt konkanın ossifiye fibromu

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Hypertrophy of inferior turbinate is a common condition, especially with nasal septum deviation. Sometimes, the cause of hypertrophy of inferior turbinate can be fibro-osseous lesions. Benign, rare, and non-aggressive fibro-osseous neoplasms such as ossifying fibroma can affect paranasal sinuses. Isolated inferior turbinate involvement is extremely rare in ossifying fibroma. In this article, we present a 28-year-old female suffering from nasal obstruction due to septal deviation and hypertrophy of inferior turbinate. Preoperative and postoperative investigation show that cause of hypertrophy of inferior turbinate is ossifying fibroma. To our knowledge, that this is the second case of ossifying fibroma reported in the English-language literature due to its isolated localization. However, if the patients with inferior turbinate hypertrophy are examined carefully, we can prevent unnecessary medical treatment and surgery for inferior turbinate hypertrophy.

**Key Words:** Fibro-osseous lesion; inferior turbinate, nose; ossifying fibroma.

Alt konka hipertrofisi özellikle nasal septum deviyasyonu ile birlikte sık görülen bir durumdur. Bazen alt konka hipertrofilerinin nedeni fibro-osseöz lezyonlar olabilir. Ossifiye fibrom gibi benign, nadir ve agresif olmayan fibro-osseöz neoplazmlar paranasal sinüsleri etkileyebilir. Ossifiye fibromda izole alt konka tutulumu son derece nadirdir. Bu makalede septum deviyasyonu ve konka hipertrofisine bağlı burun tıkanıklığı ile başvuran 28 yaşında bayan hasta sunuldu. Ameliyat öncesi ve ameliyat sonrasındaki incelemelerde alt konka hipertrofisinin nedeni ossifiye fibrom olarak tespit edildi. Bizim bilgilerimize göre, bu olgu izole yerleşimi nedeniyle İngilizce literatürde bildirilen ikinci ossifiye fibrom olgusudur. Alt konka hipertrofisi olan hastalar dikkatli bir şekilde muayene edilirse alt konka hipertrofisi için gereksiz medikal ve cerrahi tedaviler uygulanmasını önlemek mümkün olabilir.

**Anahtar Sözcükler:** Fibro-osseöz lezyon; alt konka, burun; ossifiye fibrom.

Fibro-osseous lesions are rare entities of the nose and paranasal sinuses and their terminology and classification are still confusing.<sup>[1]</sup> The paranasal sinuses can be affected by fibro-osseous lesions such as fibrous dysplasia, ossifying fibroma and osteoma. They have similar appearances but their clinical implications vary.<sup>[2]</sup> Ossifying

fibroma is a benign, rare, non-aggressive fibro-osseous tumor commonly seen in the head and neck region.<sup>[2,3]</sup> Ossifying fibroma contains bone, fibrous tissue and cementum and usually involves the mandible in 75% of cases.<sup>[2,3]</sup> Ossifying fibroma is the most concerning of the paranasal sinus fibro-osseous lesions. It