

# Osteoma in an Aerated Middle Nasal Turbinate

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**KEY WORDS:** osteoma, middle turbinate, headache

IMAJ 2009;11:120

**N**asal osteoma is a benign, slow-growing bone tumor that can be found more frequently in the maxillary, ethmoidal and frontal sinuses [1]. The occurrence of the osteoma in the middle turbinate is rare [2,3] and there is no previously described case of osteoma in an aerated middle turbinate (concha

bullosa (white arrows) and osteoma of the right middle turbinate (black arrow)



bullosa). We present a unique case of a patient who underwent computed tomography of the brain and sinuses for investigation of headache, and osteoma in concha bullosa was found incidentally.

## PATIENT DESCRIPTION

A 65 year old woman presented to our outpatient clinic with a 2 year history of headache and bilateral intermittent nasal obstruction. Nasal endoscopy revealed bilateral hypertrophic middle turbinates covered by normal-appearing mucosa. Coronal sections of CT of the sinuses demonstrated right maxillary sinusitis and bilateral concha bullosa with osteoma in the right middle turbinate [Figure]. Brain CT was normal. Despite unresolved headache after a 10 day course of amoxicillin clavulanate administered orally, the patient refused endoscopic sinus surgery with middle turbinectomy and was lost to follow-up.

## COMMENT

Presenting symptoms of both middle turbinate osteoma and concha bullosa

vary between headache, facial or peri-orbital pain, epiphora and nasal obstruction or discharge [2-4]. Diagnosis of the turbinate osteoma and concha bullosa is done with CT scan, and surgical excision of the pathology can lead to the complete resolution of symptoms [3,4]. Since our patient refused surgery, the origin of her headache had not been verified.

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