Localized Inferior Turbinate Fibrous Dysplasia – A case report and review of literature

Reyad K. Alalem [(1)], Fatma Emaetig [(2)]

Department of Otorhinolaryngology, Head and Neck Surgery (1), Department of Pathology (2). Misurata Cancer Center, Faculty of Medicine - Misurata University. Misrata – Libya

Abstract:

Fibrous dysplasia (FD) is a benign skeletal disorder in which abnormally overgrowing bony lesion replaces normal bone. The involvement of craniofacial bones is reported in 10% of FD cases, while the involvement of sinonasal cavity is extremely rare. we report one case of fibrous dysplasia monostotic type localized in the inferior turbinate in 23 years old libyan male with history of nasal obstruction , Careful endoscopic nasal examination and obtaining a CT scan led to a diagnosis of unilateral fibrous dysplasia of the inferior turbinate. Via endoscopic approach inferior turbinectomy was done. Histopathological examination confirmed the diagnosis of fibrous dysplasia. Appropriate follow up is important. Endoscopic approach is accessible to remove the tumor and improve nasal symptoms.

Key Words: Endoscopic sinus surgery, Fibrous dysplasia, Sinonasal neoplasm, Inferior turbinate, Nasal obstruction.

Image:

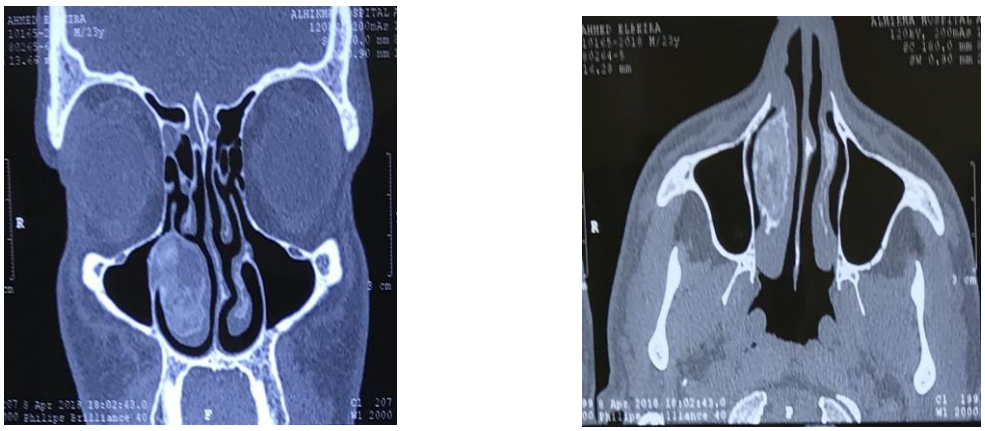


Fig. 1: CT scan coronal view and axial view shows the fibrous dysplasia in right inferior turbinate

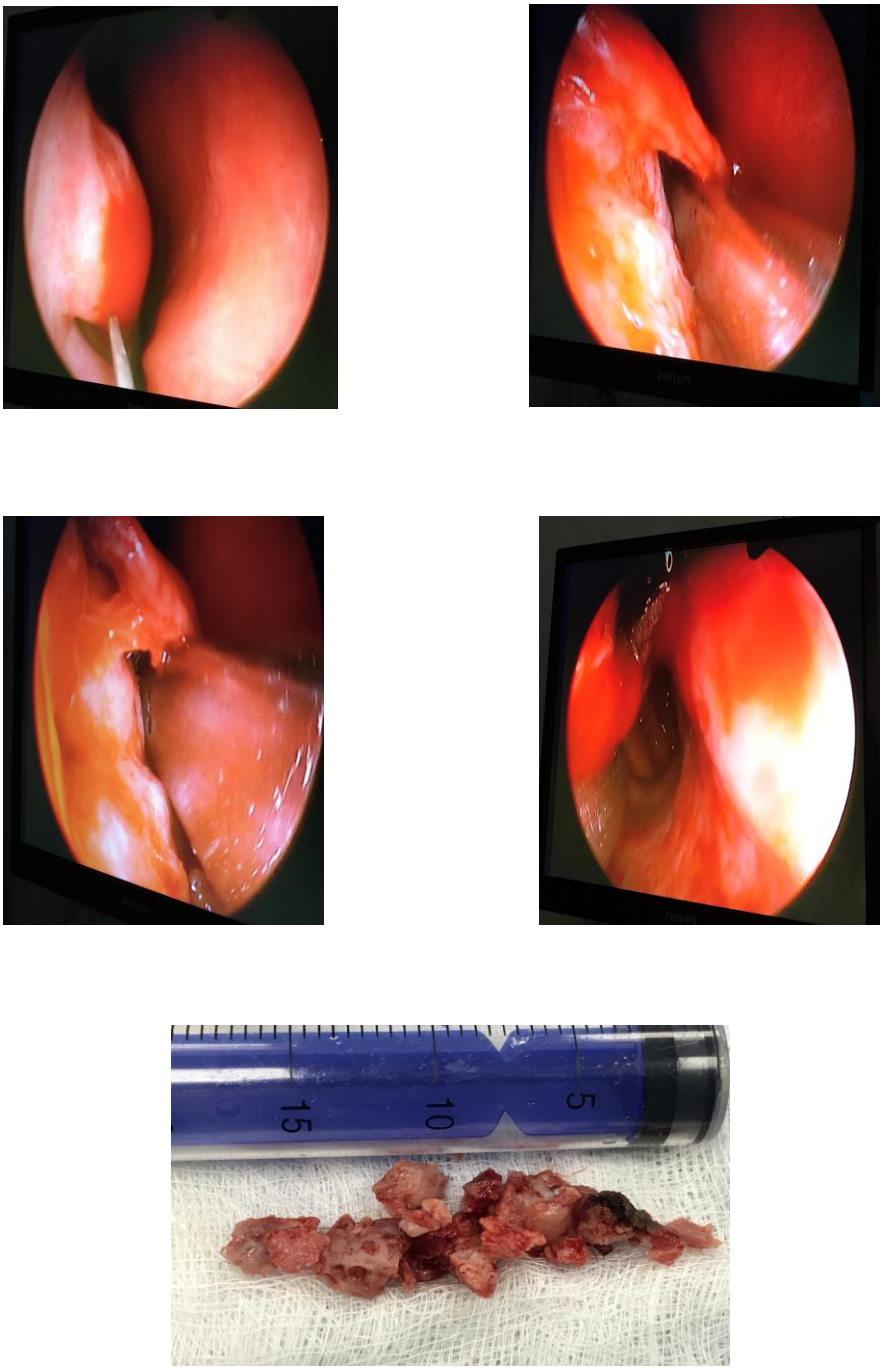


Fig. 2: endoscopic view of endoscopic inferior turbinectomy steps

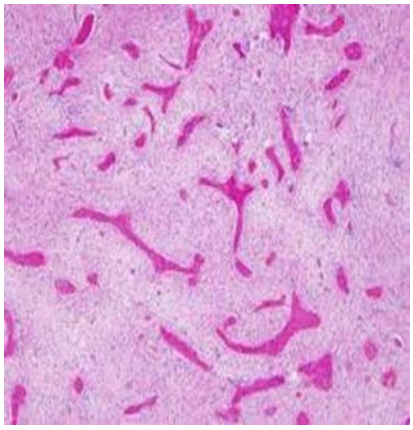


Fig. 3: Histopathological view of fibrous dysplasia

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Biography



Name: Reyad Khalil Alalem

CERTIFICATES:

-Bachelor of Medicine and Surgery (MBBCh) , Garyuns University, Libya -Jan 2001

- Master degree in Otorhinolaryngology (M.S ORL), Alexandria University, Egypt- Nov 2008

-Inter University Diploma In SURGERY AND ENDOSCOPY IN OTORHINOLOGY AND SKULL BASE - Academic Years 2009 – 2011

- Doctorate degree in Otorhinolaryngology (MD ORL), Alexandria University, Egypt. 2013 .

-Libyan board in ORL - 2013.

-Visiting Resident In Alexandria University Hospital In OTORHINOLARYNGOLOGY Department From 2006 - 2012.

-Lecturer in Faculty of Medicine, Misrata University- 2013

-Head of otorhinolarngology department in Misurata Cancer Center 2013 - up to now

-Trainer in Libyan board medial specialization - 2014

-Member of research Committe in Misurata Cancer Center- 2014

-Member of scientific committee in Misurata Cancer Center 2013 - up to now

-Assistant professor in Faculty of Medicine, Misrata University- 2017

- Head of Surgical Departments in Faculty of Medicine, Misrata University 2017- up to now

-Trainer in Arab Board of Health Specialization – 2017

-Member of scientific committee in Faculty of Medicine, Misrata University

e.mail: elalem_riad@hotmail.com

Mobile: 00218913667375