

Clinical-Medical Image

Fibrous Dysplasia of the Face: Typical Ground Glass Pattern

Belkouchi Lina, Lrhorfi Najlae, Outznit Mustapha, Nazik Allali, Latifa Chat, El-Haddad Siham

Department of Radiology, Oncology National Institute, UHC Ibn Sina, UHC Ibn Sina, Rabat, Morocco

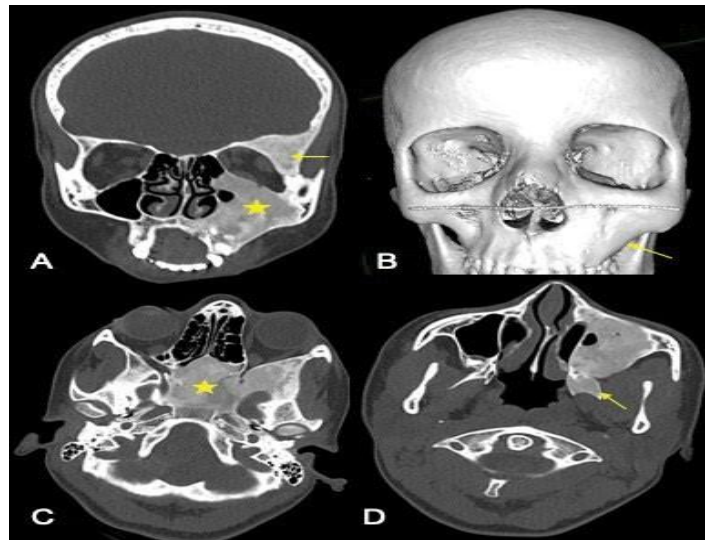


Figure 1: Facial CT-scan showing a typical ground glass pattern affecting the left part of the maxilla, the left maxillary sinus (Image A, Star), extending to the left greater wing of the sphenoidal bone (Image A, Arrow), the sphenoidal sinus (Image C, Star), and left pterygoid process (Image D, Arrow), 3D reconstructions (D) show a slight asymmetry of maxillary sinuses..

Clinical Image

Fibrous dysplasia of the face is a rare benign bone condition caused by the replacement of normal bone tissue by fibrous connective or cystic tissue. It can be monostotic or affect multiple bones termed as polyostotic. It is mostly found in adolescents or young adults and is mostly asymptomatic sometimes presenting as a facial asymmetry, but can also be symptomatic causing headaches, dysesthesia of the face, vision troubles, neurosensory deficit or pain due to pathological fractures. The typical imaging aspect is a bone ground glass pattern, sometimes a cystic and sclerotic and mixed pattern can be seen (Figure 1). Histological diagnosis is only required in case of suspicion of malignancy. Treatment is usually symptomatic made of painkillers. Bisphosphonates can be given for mild to severe pain. Surgical treatment may be required for aesthetic reasons or in case of neurosensory deficit [1-3].

Keywords: Face; Bone; Imaging; Tumor; Benign

Declaration of Interests

The authors declare that they have no competing interests.

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*Corresponding author: Lina B, Department of Radiology, Children Hospital of Rabat, Ibn Sina University Hospital, Faculty of medicine and pharmacy of Rabat, Morocco. Tel: +212 659 14 27 87, Email: belkouchilina@gmail.com

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