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Role of multidetector computed tomography in assessment of fibro-osseous lesions of craniofacial complex

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Fibro-osseous lesions of the craniofacial bones comprise a diverse group of pathologic conditions that includes developmental lesions, reactive or dysplastic diseases, and neo-plasms. They share many similar histo-pathological features with other non-fibro-osseous disease processes that develop within the jaw bones. Thus a definitive diagnosis of fibro-osseous lesions (FOLs) requires a correlation of the histological features with the clinical, radiographic and intra-operative findings. This study highlights the importance of the role of multi-detector row CT images, in assessment of fibro-osseous lesions in craniofacial complex in patients with known fibro-osseous lesions, facial disfigurement and facial swelling. Multidetector computed tomography (MDCT) including reformations better delineate craniofacial complex anatomy than do single detector row CT images. It becomes possible to depict the complete path of complex structures. It is valuable in diagnosis and in guiding the surgical interventions by allowing pre-operative delineation of craniofacial complex anatomy. The proximity of the various components is best appreciated when the area is viewed in axial and coronal sections and different reconstructive methods using sub-millimetric thickness. MDCT is a powerful diagnostic and illustrative tool that will narrow the gap between the radiologists and the surgeons.

Biography

Dareen Mohamed Abdel Hameed Khattab has studied Medicine at Alexandria University, Egypt. She has received her Master's degree in Radio Diagnosis and Interventional Radiology from Alexandria University, Egypt, 2014. She is a member-in-training in RSNA, a Reviewer at the *Biological Sciences Journal*. She has five years of experience in radio-diagnosis and is a Radiology Specialist at Dar Ashaa, Alex, Egypt. She is the author of a book *"Utility of MDCT in fibro-osseous lesions of craniofacial complex"* published by Lambert Academic Publishing, available online since Feb. 2015.

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