

Aneurysmal bone cyst: Scarce existence in 60 years old mandible

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Abstract

Introduction: Aneurysmal bone cyst (ABC) is a trivial benign bony lesions springing predominantly in the pediatric population, as a congenital occurrence. If seen in adult then mostly cases are reported up to age of 30 years. It has a propensity for the metaphysis of long bones and is infrequent in craniofacial skeleton. Its craniofacial occurrence in adult may be attributed to history of trauma.

Case report: Here we report a very rare existence of aneurysmal bone cyst in a 60 year old female who reported to us with pain and swelling in the right lower front jaw region since 6 months along with difficulty in chewing. As standard protocol first Orthopantomograph was advised which showed expansile, eccentric and lytic lesion with bony septae. CT scan was advised showed expansile lytic/ cystic mass. Incisional biopsy done disclosed reparative giant cell lesion. Standard treatment for large cystic/ lytic lesions are curettage and grafting to fill the bone void, but seeing the size of mass and involvement of inferior border of mandible, segmental mandibulectomy was done under general anaesthesia and proximal and distal segment were stabilized with reconstruction plate. At most instances such large masses are addressed via extra oral approach but this rare ABC was resected and reconstructed via intraoral approach. Final histopathological investigation confirmed the diagnosis of aneurysmal bone cyst.

Conclusion: ABC is common tumor of long bones but its existence has not kept craniofacial skeleton untouched. This early age lesion has spread its leg to advanced age group too, but extremely rare. Considering the fickle clinical and radiological appearance of ABC histopathological analysis becomes must for the diagnosis. There are standard procedures and approaches for specific lesions but when it comes to maxillofacial region aesthetics is a big concern, so one must always keep options open to keep it intact.

Biography

Madhumita Srivastava has completed my masters in Oral & Maxillofacial Surgery in year 2016, India. Did her MFDS from Royal College of Surgeons, Ireland 2020. Currently working as a Consultant in Bokaro General Hospital, Jharkhand, India. Have more than 25 publications and authored a book and book chapter and serving as an editorial member in reputed journals. Have won award as Best female speaker at Medical Officers conference 2017 & Best researcher in Maxillofacial Surgery 2019. She is a member of International Association of Oral & Maxillofacial Surgeon (IAOMS) and Association of Oral & Maxillofacial Surgeons of India (AOMSI) where she have chaired scientific session too.



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