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Aggressive uncommon benign/ malignant tumors of maxillofacial region: surgical outcomes

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Background: The oro-facial region including the jaw bones and related tissues can be the site of a multitude of neoplastic conditions. Rare odontogenic/ non odontogenic tumors have variable pattern, clinical behavior, radiographic appearances as well as prognosis. Surgical resection with safe margins is needed in most of the cases. Odontogenic myxoma, fibrosarcoma, ewings sarcomas, orbital osteomas were quite rare tumors of the maxillofacial region. The treatment modalities were usually surgery with or without radio & chemotherapy. It is envisaged that results presented here will add to the depth of information on facial tumors in this region and in Pakistan at large.

Aim: Pattern and treatment outcomes of rare tumors of the oral and maxillofacial region.

Methods: Patients of all age and sex presented at the Department of Oral and Maxillofacial Surgery, KEMU/ Mayo Hospital Lahore with tumors affecting the Oro-facial region from March 2010 to March 2016 were included.

Results: Total 106 cases were included. Among uncommon benign and aggressive tumors (n=69): odontogenic myxoma n=11, CEOT n=12, ossifying fibroma n=15, AOT n=09, nasopharyngeal angiofibroma n=13, Ethmoidal osteoma n=04, giant cell tumour n= 5 cases were included. Among rare malignant tumours (n=37): fibrosarcoma n=09, Ameloblastic carcinoma n=10, adenoid cystic carcinoma n=09, mandibular mucoepidermoid carcinoma n=4, ewing's sarcoma n=05, melanoma n=04 cases.

Conclusions: Benign tumors more common in mandible except AOT which is common in maxillary canine region. Surgical management of tumors in the maxillofacial region is complex and challenging. Large mandibular defects can be bridged with reconstruction plates only.

Biography

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