



## CASE REPORT OF ODONTOGENIC CYST WITH MALIGNANT CHANGE

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## ABSTRACT

17 year old boy attended the hospital with a history of swelling in the right jaw which measures about 12X 10 cm. not painful with increasing in size for past 6 months. F.nac done with cytological picture of squamous epithelial cells with marked pleomorphism and hyperchromatic nuclei present in the smear.

KEYWORDS : odontogenic cyst, squamous cell carcinoma

## Case History:

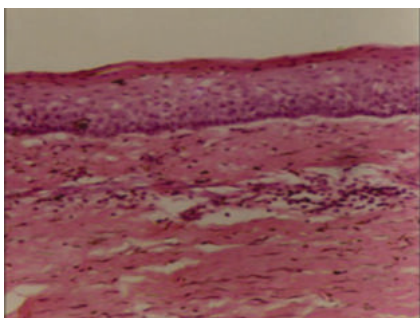
A 17 year old boy with a complaints of swelling in the mandible region for the past 6 months slowly growing and painless swelling in the left mandible. F.nac done with the fine needle aspiration cytology needle and smear shows markedly dysplastic squamous epithelial cells with marked pleomorphism and hyperchromatic nuclei.

Histopathological examination shows features of well differentiated squamous cell carcinoma arising with in the dentigerous cyst.

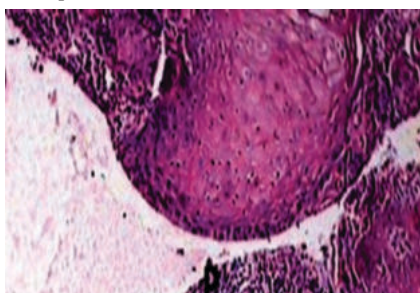
A follicular cyst, or dentigerous cyst is a developmental odontogenic cyst which develops around the fully-formed crown of an unerupted tooth.

Most are discovered on routine radiographs, when a tooth has failed to erupt, a tooth is missing, teeth are tilted or are otherwise out of alignment. The dentigerous cyst is most frequently found in the age group 20 - 40 years.

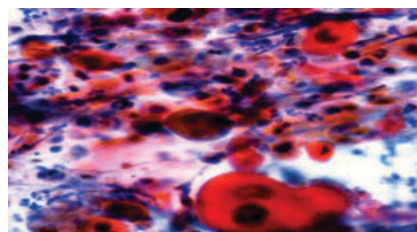
The most prevalent areas for dentigerous cysts are, in order of frequency, the mandibular third molar, maxillary third molar, maxillary canine and mandibular second premolar. i.e. teeth that are prone to impaction. About 75% are located in the mandible. This is the most common pericoronal cyst.



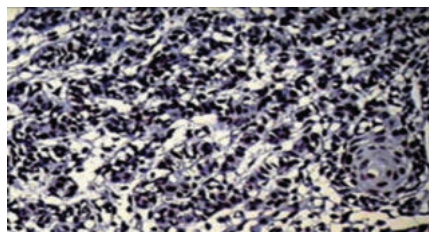
Odontogenic cyst wall



Squamous cell carcinoma arising in a odontogenic cyst



FNAC ASPIRATION POSITIVE FOR SQAMOUS CELL CARCINOMA



Photomicrograph showing positive p53 staining in the invading odontogenic islands



DIGITAL X-RAY VIEW

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