

Ameloblastic Fibro-Odontoma - An Insight into its Clinico-Histopathological, Radiographic Features and its Surgical Management

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ABSTRACT:

Ameloblastic fibro-odontoma (AFO) is a rare, benign mixed odontogenic tumor characterized by the presence of epithelial tissue, mesenchymal tissue and dental hard tissues such as enamel and dentin. The lesion is more frequently observed in children and young adults. Clinically, AFO manifests as a painless swelling in the jaw, often associated with impacted or unerupted teeth. Radiographically, it appears as a well-defined, mixed radiolucent-radiopaque lesion. Histologically, it resembles ameloblastic fibroma (AF) with additive formation of enamel and dentin. Treatment generally involves surgical enucleation, with recurrence being rare. We present a case report of a 17 year old female with painless swelling on the left side of mandible, diagnosed with AFO and managed surgically by enucleation.

KEY WORDS: Ameloblastic fibro- odontoma, ameloblastic fibroma, complex odontoma, mixed odontogenic tumors, odontoma