# Ameloblastic Fibro-Odontoma Case Report: An Interdisciplinary Team Approach

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# INTRODUCTION

Ameloblastic fibro-odontoma (AFO) is normally found in young patients, with no significant gender predilection. The common chief complaints associated with AFO are swelling and failure of tooth eruption. Clinically, it presents as a painless swelling of the affected area <sup>(2)</sup>. It is often located in the posterior aspect of the mandible <sup>(4)</sup>. AFO most commonly presents as a well-circumscribed, unicystic lesion with mixed radiopacity radiographically <sup>(1)</sup>. Multilocular AFO lesions are less frequent <sup>(1)</sup>. The pathology of AFO demonstrates an epithelial odontogenic tumor with odontogenic mesenchyme. It shows histologic features of both ameloblastic fibroma and complex odontoma <sup>(4).</sup>

# BACKGROUND

A 14-year-old male presented to for a new patient examination. Patient was seen by a dentist 3 years prior with no evidence of pathology detected upon clinical and radiographic examination. The patient reported left mandibular swelling that has been present over the past 2 years.

## **MEDICAL HISTORY:**

• Attention-Deficit/Hyperactivity Disorder (ADHD)

#### **MEDICATIONS:**

Clonidine and Risperdal

### **HISTORY**:

• Mother reports patient is currently undergoing psychotherapy as has a history of getting into fist fights at school

# PRESENTING CONDITION

## CLINICAL EXAMINATION

# RADIOGRAPHIC EXAMINATION

# LESION DISCRIPTION

- appearance
- DEFINED: Well-defined
- CORTICATION: Corticated

# OTHER FINDINGS

- present

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EXTRAORAL: Expansion of the left mandibular body. No trismus present, no deviation upon opening.

• INTRAORAL: Expansile erythematous ulcerated lesion along the the left buccal vestibule extending distal to the first permanent mandibular molar. The lesion distal to tooth 19 was firm to touch and was not painful to palpation. No paresthesia was present.

RADIOPACITY: Multilocular lesion with mixed radiopaque/radiolucent

• SIZE, SHAPE, LOCATION: Honeycomb shaped lesion on left side of mandible, encompassing condyle, coronoid process, body, angle, and ramus of the mandible. The lesion extends mesially to the inferior aspect of tooth 22

 DISPLACEMENT: Tooth 18 displaced is mesially and apically toward inferior border of the mandible adjacent to tooth 21. Expansion of the left body and ramus was present.

• Tooth 6 is horizontally impacted. Tooth C is over retained.

Congenitally missing Tooth 1, 17, 32. Tooth 16 is radiographically

Root blunting present at the apex of tooth 20







#### REFERENCES

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reconstruction.

