Angiofibroma: An Important Consideration in Floor of the Mouth Lesions

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Title: **Angiofibroma: An Important Consideration in Floor of the Mouth Lesions**

Abstract

Objective: To present an approach to diagnosis and management of a rare case of Recurrent Angiofibroma of the floor of the mouth in a 25-year old female

Study Design: Case Report

Setting: Tertiary Private Hospital

Patient and Methods:

This paper presents a case of a 25 year old female patient who initially presented to our institution 5 years ago with a chief complaint of a mass at the floor of the mouth. She also presented with obstructive sleep apnea features aggravated by her micrognathia. CT scan was requested and she was initially assessed with a ranula. She underwent Excision of the Floor of the Mouth Mass and histopathology revealed a different diagnosis of an Angiofibroma.

3 years after the operation, there was noted recurrence of the mass. However, no consult was done until February 2019. CT Scan of the floor of the mouth and neck with contrast was requested and revealed a focal, heterogeneously enhancing fairly circumscribed base of the tongue solid mass, measuring about 4.4x3.8x3.2cm. Upon review of the CT Scan, a midline vessel was noted, and CT Angiography was requested to identify any feeding vessel which might have caused the recurrence. CT angiography was done and revealed submental branches of the facial arteries from both sides appear to supply the lesion in the floor of the mouth. Small sublingual arteries that supply from both sides are also noted. We plan to do embolization of the feeding vessels and excision of the floor of the mouth mass.

Our patient is a rare case of an extranasopharyngeal angiofibroma, the first case noted at the floor of the mouth, and the first case of Extranasopharyngeal Angiofibroma with recurrence that have been reported.