

Periapical cyst associated with extra oral sinus tract

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Description

A 33-year-old male presented with an extraoral draining fistula. Patient reported that 'a tree limb broke and fell on his chin, loosening all his lower incisor teeth, about a year ago'. Examination of the area revealed a draining fistula anteriorly on the chin (Figure 1). Intraorally, the lower incisors were mobile with heavy calculus and inflamed gingiva. CT scans, sagittal (Figure 2) and axial view (Figure 3) and panoramic radiograph (Figure 4) showed a well-defined radiolucency beneath the lower incisors thinning the lower border of the mandible. Our differential diagnosis included periapical cyst, periapical granuloma and traumatic bone cyst. Under local anesthesia, a full thickness mucoperiosteal flap was elevated and a cystic lesion was curetted out of the bony socket (Figure 5). The cystic lesion, 1.5 x 1.5 cm in size (Figure 6), sent for histopathologic examination and the report was periapical cyst (Figure 7). Periapical cyst is the most common odontogenic cyst and is usually associated by pulpal necrosis caused by caries or trauma.

Figures



Figure 1



Figure 2



Figure 3



Figure 4

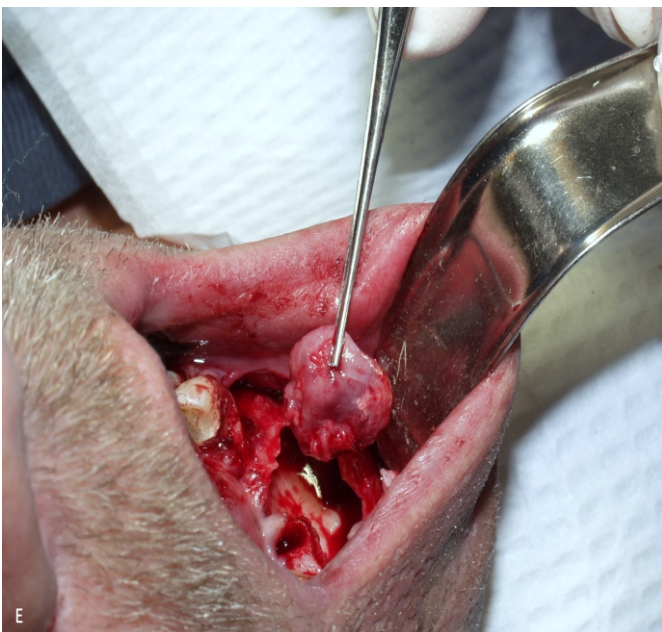


Figure 5

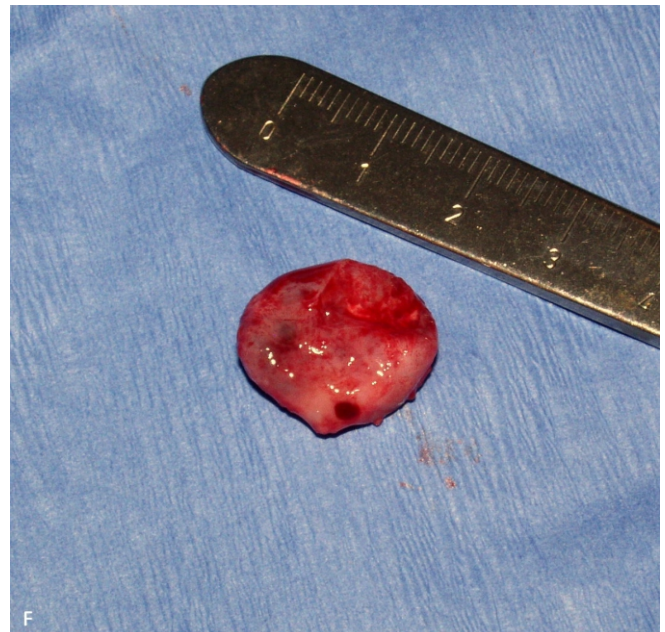


Figure 6