mandible using platelet-rich fibrin and synergy Bilateral dentigerous cysts treatment from the rostral

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Presenting IssuesPeterpan is a six-year-old neutered male boxer initially presented for COHAT at a primary care veterinary practice. During the examination under general anaesthesia, missing 305 and 405 were noted. Intraoral radiographs were taken for the investigation of missing teeth, which showed large radiolucent cystic lesionsoccupying the left and right rostral mandibles.

Possible Causes

first premolartooth [2]. are predisposed to developing dentigerous cysts and are often associated with the unerupted increase in size, leadingoften to pathological fracture of the jaw. Certain brachycephalic dog breeds, including boxers, Shih Tzus and Pugs, genic cyst found in dogs [1] and are associated with an unerupted, impacted tooth. If untreated, the cystic lesion can slowly and progressively increase in size, leadingoften to pathological Dentigerous cysts are the most common odonto genic cyst found in dogs [1] and are associated e associated If untreat-

Diagnosis

nostic for cystic structures associated with an unerupted tooth. However, a definitive diagnosis should be made by sending the epithelial lining of the cyst for histopathological analysis. Dental Radiology (iM3: CR7-VET) is often diagnostic for cystic structures associated with an

Treatment

impacted 305 and 405 were extracted, the resorbing 306 and 406. crestal and clearly sides of the rostral mandible. A small amount of Surgical debridement and removal of all cyst border of mandibular canine border of the third premolar resorption and associated with the mucoperiosteal flaps were made caudal mandibular nerve block) administration of nerve block (intra-oral alveolar bone visulaise Teeth cyst should also be was removed to the cystic lesions affected of an unerupted tooth tooth on to access as well as extracted mesia dis

ately placed at 3000 RPM sterile saline was used as an irrigation agent. The large bony defects were subsequently filled with Synergy (Synthetic Bone Graft: iM3) and with Platelet-Rich-Fibrin (PRF) PRF can be ine detects were then thoroughly debrided with a bone curette (iM3). A copious amount of over this bone and PRF mixture was placed and packed gently in the defect. A PRF membrane was placed fabricated by using the patient's whole blood in a plain tube (without anticoagulant), immedirelieving incisions were made at the base of both RPM for 10 minutes [3]. The Synergy graft mixture and then tension

the labial and lingual mucoperiosteal flaps.

The labial and lingual flaps were then sutured tension-free with asimple interrupted suture tension-free with asimple interrupted suture pattern using 4/0 poliglecaprone 25 (Monosyn). A simple continuous suture pattern was then placed over the simple interrupted sutures.

References

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Diffused swelling at Q4 detigerous cyst site





Impacted 305 with cyst opened





used to measure Measuring depth of the cyst. 15mm probe was



dentigerous cyst PRF membrane placed over synergy Q4



306 extracted to enhance access to the dentigerous cyst lining curettage



Two layer closure. Simple interrupted and continuous oversewn