



## PATIENT

Pearl Anderson

## SPECIES

Canine

## BREED

English Bulldog

## SEX

Female Spayed

## AGE

10Y, 2M

## WEIGHT

24.3kg

## INTERPRETED BY

Nele Eley (Ondreka),  
DVM Dr. med. vet.,  
DipECVDI

## IMAGING PERFORMED BY

Amanda & Lisa

## HOSPITAL NAME

Casselton Vet Service

## REFERRING VET

Jill Dowdle

## INVOICE

74622

## DATE

4-15-26

## PRESENTING CLINICAL SIGNS

P was seen at another vet clinic on 3/16/26 for possible tooth root abscess and treated with Clavamox 625mg BID. P presented on 3/20/26 to us for facial swelling around the R eye. P was put on a course of Diphenhydramine 50mg TID and Prednisone 20mg on a tapered dose. O reported that swelling improved with meds but returned shortly after finishing. on 4/09/26 P was put on another course of Prednisone, Diphenhydramine and clavamox with no improvement.  
Abnormal PE/Chem/CBC/UA Results: PLT 64 K/ $\mu$ L LOW PCT 0.09 % LOW LYM 0.75 K/ $\mu$ L LOW ALKP 374 U/L HIGH

## COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Plain and post contrast studies are available for review.

## COMPUTED TOMOGRAPHIC FINDINGS

Tooth 108 presents a complicated crown fracture with marked tooth resorption and periapical lucencies consistent with tooth root abscessation. Regional bone sclerosis is noted.

Tooth 208 presents advanced structural fragmentation with severe tooth root resorption and periapical changes consistent with tooth root abscessation.

Reactive periosteal new bone formation is present along the lateral aspect of the right maxilla and right zygomatic arch. Regional soft tissue swelling is noted.

Regional bone resorption is seen in the right and left rostral incisor portion of the maxillae distal to the teeth 101, 102, and 201.

The right parotid duct is dilated and thickened. It contains three mineral attenuating structures (sialoliths) measuring up to 2mm in diameter level with the masseter muscle. The right parotid gland is enlarged and demonstrates increased contrast enhancement. Surrounding fat stranding and soft tissue swelling are seen.

The regional submandibular and retropharyngeal lymph nodes are mildly enlarged.

## COMPUTED TOMOGRAPHIC DIAGNOSIS

- Severe bilateral maxillary dental disease including complicated crown fracture and tooth root abscessation 108.
- Fragmented severely resorbed tooth with abscessation 208.
- Regional osteitis of the right maxilla.
- Right sided sialolithiasis with sialadenitis characterized by multiple small sialoliths within the right parotid duct and surrounding cellulitis.
- Reactive periosteal bone changes of the right maxilla and zygomatic arch.
- Regional lymphadenopathy consistent with reactive inflammatory change.
- Alveolar bone resorption in the maxillary incisor region.

## INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT findings are compatible with a multifactorial inflammatory process involving advanced dental disease as well as right sided parotid salivary gland pathology. The right parotid duct sialolithiasis and associated sialadenitis may be a separate entity and are common in brachycephalic dogs. However, they may also be secondary to the advanced dental disease since the anatomic proximity to the



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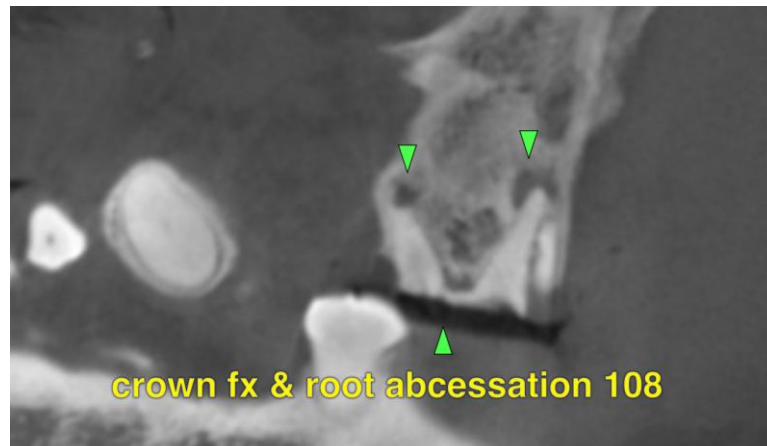
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parotid duct opening to the maxillary dentition may be contributing to exacerbating the salivary pathology. Consider dental intervention prioritizing 108 and 208, possibly including the maxillary incisor region, and management of sialolithiasis/sialadenitis if clinically indicated.





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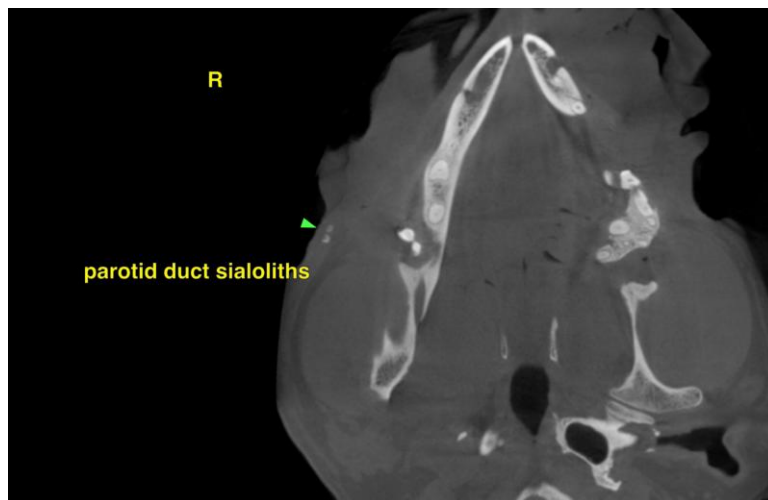
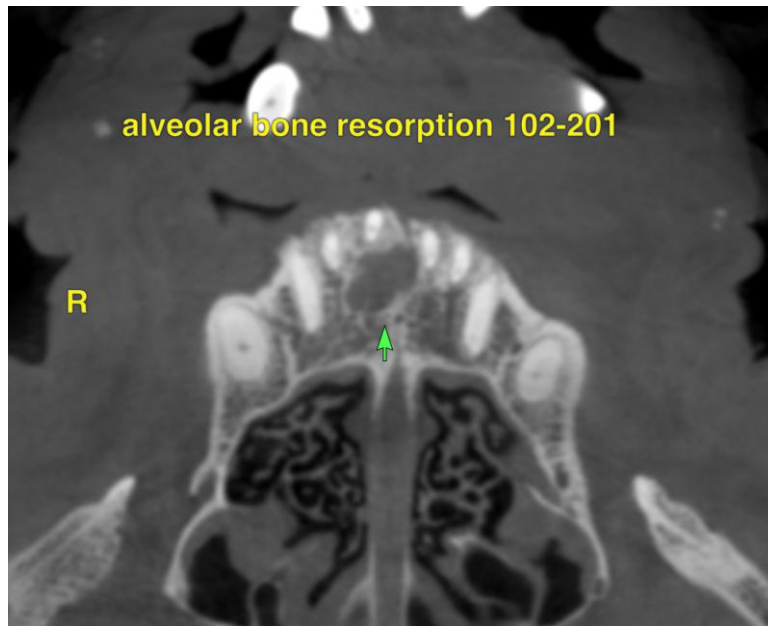
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Nele Eley (Ondreka), DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen/Germany, Veterinary Faculty, Department of Radiology.  
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