



PATIENT PRESENTING CLINICAL SIGNS

Bailey Payette Originally presented at rDVM April 10/23 for swelling under left eye. Scheduled dental with extraction of 208 due to suspicion of root abscess. Lucent region of alveolar bone on dental radiographs around 208, clear fluid poured out when tooth was extracted. Referred to Dr. O' Morrow -CT recommended.

SPECIES COMPUTED TOMOGRAPHY OF THE SKULL

Canine A high resolution pre- and post-contrast CT study of the skull is provided for review.

COMPUTED TOMOGRAPHIC FINDINGS

BREED The tooth element 208, 305, 405 and 411 are absent. Remaining fragments of the roots of triadan 208 are appreciated – without pathology of the periodontal space. Triadan 311 is retained within the alveolar bone, presenting focal cystic dilation of the alveolar bone.

SEX The alveolar process of the left maxillary bone, level with absent triadan 208 presents an expansile, mild ill-defined geographic osteolytic lesion – the surrounding bone presents moderate sclerosis. A tract is extending up to the level of triadan 209. The lateral cortex of the maxilla is perforated at the same level. Post contrast administration, the expansile lesion presents a thin contrast enhancing wall laterally and fluid attenuating center.

AGE The nasal cavity presents the expected aerated spaces between thin & even conchae and turbinates with smooth mucosal lining.

3 Years Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external ear canals are within normal limits.

The brain presents no deviation from normal anatomy and symmetry. The brain parenchyma is homogeneous and within normal limits for attenuation and distribution of contrast enhancement. The ventricular system is non-dilated and symmetric.

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The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

COMPUTED TOMOGRAPHIC DIAGNOSIS

REFERRING VET

Dr. Blankvoort / Dr.
O' Morrow

- Monostotic semiaggressive expansile osteolytic lesion alveolar process left maxillary bone level with absent triadan 208 with connection to triadan 209
- Retained triadan 311 with small retention cyst formation
- Multiple absent teeth

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INVOICE

59209

The expansile bone lesion of the alveolar bone of triadan 208 is suggestive for benign lateral periodontal cyst that might originate either from triadan 208 or 209 as a tract is extending up to triadan 209. Due to the ill-defined margins, neoplastic disease such as squamous cell carcinoma is a consideration. Consider extraction of triadan 209 as well as biopsy of the capsule of the expansile osseous lesion to rule out malignant transformation entirely. If malignancy can be ruled out, curettage of the cystic lesion to remove the epithelium is considered beneficial.

DATE

7-6-23



PATIENT

Bailey Payette

SPECIES

Canine

BREED

Shih Tzu

SEX

FS

AGE

3 Years

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REFERRING VET

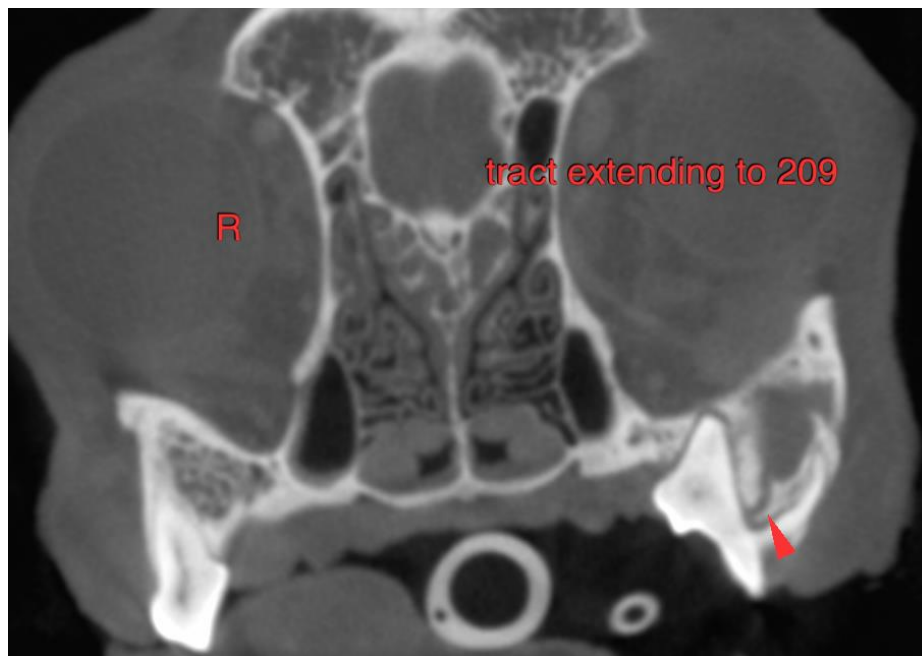
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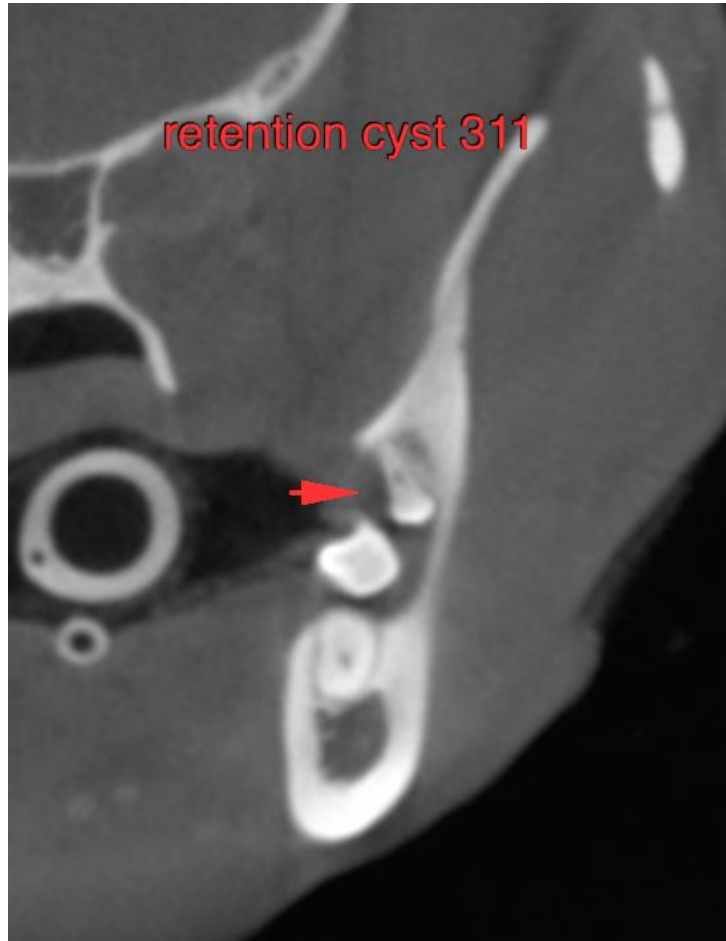
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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