



PATIENT PRESENTING CLINICAL SIGNS

Hamish Taylor Swelling underneath right eye. FNA preformed, aspirated fluid.
Abnormal PE/Chem/CBC/UA Results: Normal

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD

Canine A pre and post-contrast head CT is provided for review. One pre-contrast series, and one post-contrast series.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Westie An amorphous-in shape, well-defined, mildly irregular soft tissue mass effect is seen within the right retrobulbar space and extending to the face. The lesion has a thin enhancing wall in the post-contrast series. The lesion causes compression due to its size. It extends throughout the adjacent orbital osseous (medial border of the orbita), causing distortion, interrupting this bone, and invading the contiguous nasal cavity. The lesion is also advanced cranially and laterally to the soft tissue portion of the face. The lesion is contiguous to the medial and cranial surface of the ipsilateral globe. The topographic region of the lesion in the maxilla is correlated to the absent triadans 108 and 109.

SEX

Male Neuter

AGE

9

Besides the adjacent changes because of the orbital lesion into the nasal cavity, other portions of the nasal cavity and ethmoid concha, turbinate architecture, and symmetry are normal. The ipsilateral periorbital muscles and zygomatic gland are unremarkable.

Multiple teeth are absent, including the triadans 108 and 109.

INTERPRETED BY

Tilde Rodrigues Froes, DMV, MSc., Dr. Med Vet., Dipl. CBraRVet

There is moderate horizontal and vertical loss of the maxilla and mandible along the remaining teeth and more evident periapical reabsorption is seen adjacent to the triadans 104, 204, 308, 408, and 309. A small lytic lesion in the dentine at triadan 308 is noted.

The frontal sinuses are symmetrical and air-filled.

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A hypoattenuating and heterogeneous material fills the entire air space of the left sided auditory canal. The wall is thickened and irregular; however, the tympanic bulla is air-filled and normal. The right tympanic bulla and the external auditory canal are normal.

There is no thickening and lysis of the petrosal portion of the right temporal bone.

The choana, pharynx, and larynx are normal.

REFERRING VET

Sarah Warner

Cribriform plate is normal.

Bilaterally, the temporomandibular joints are congruent.

INVOICE

57395

The brain is normal, with no mass effect.

Bilaterally, the retropharyngeal lymph nodes are thickened, and mildly heterogeneous enhancing. The mandibular lymph nodes are normal.

DATE

3-17-23



PATIENT COMPUTED TOMOGRAPHIC DIAGNOSIS

- Hamish Taylor
- Amorphous in shape, well-defined mass effect within the right retrobulbar space and facial region. Differential diagnosis includes retrobulbar abscess, less likely primary focal nasal tumor invading the retrobulbar space.
- SPECIES**
- The lesion is adjacent to the absent triadan 108 and 109; because of that, the most probable diagnosis is a retrobulbar and facial abscess.
 - Diffuse periodontal disease in the remainder teeth and multiple absent teeth. Carie at triadan 308
- Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED Westie

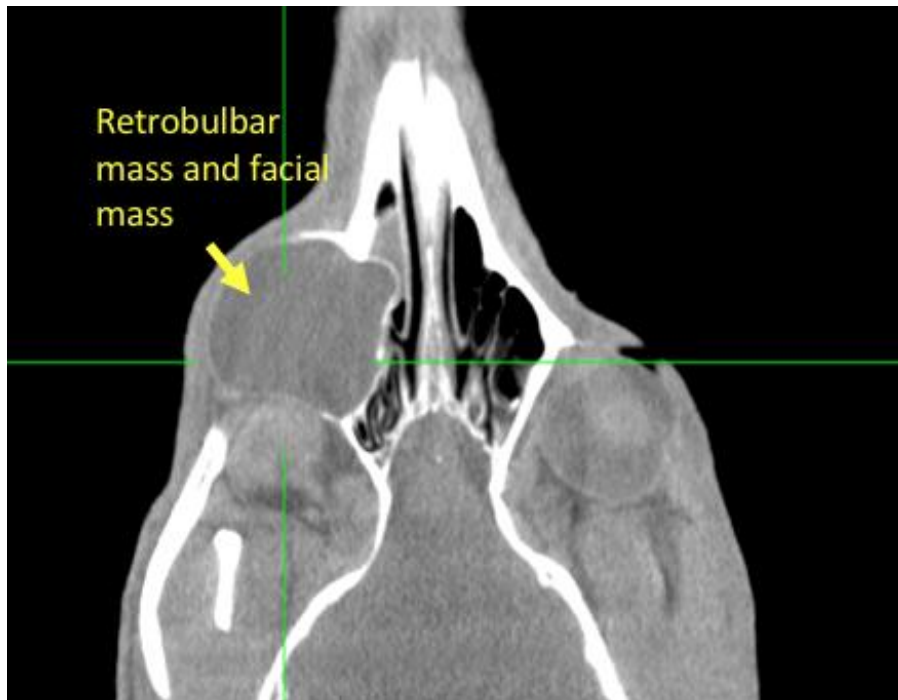
The tomographic findings are correlated to the clinical history of swelling underneath the right eye, and a retrobulbar and facial abscess is the most likely differential diagnosis. The adjacent triadans 108 and 109 are absent, and no remaining roots are seen. Therefore, focal osteomyelitis is possibly associated. Less likely is a primary nasal tumor invading the retrobulbar space and projecting facial. As performed, an FNA and aspirate of the fluid for samples for culture and sensitivity as recommended.

SEX Male Neuter

Correlate the dental findings with an oral exam.

AGE 9

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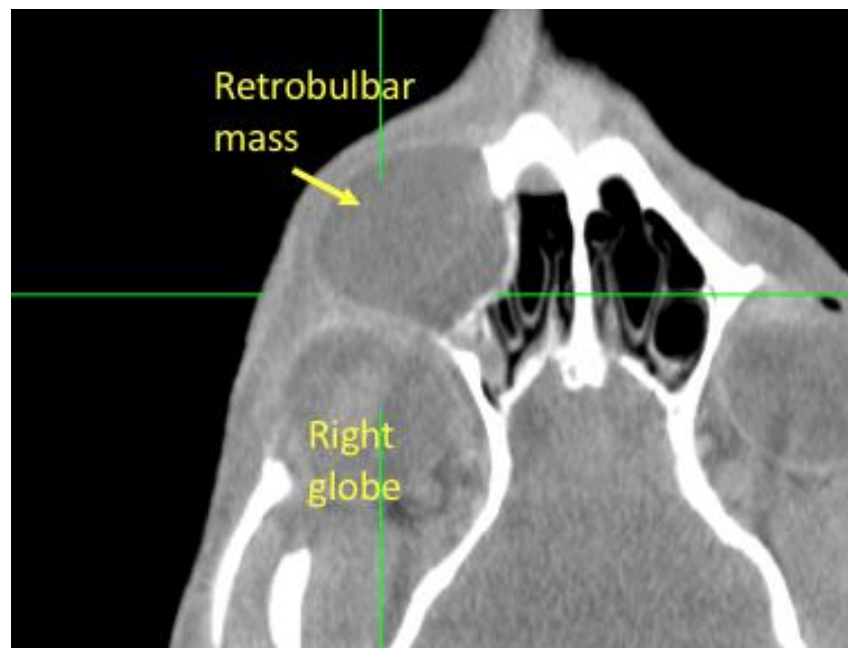
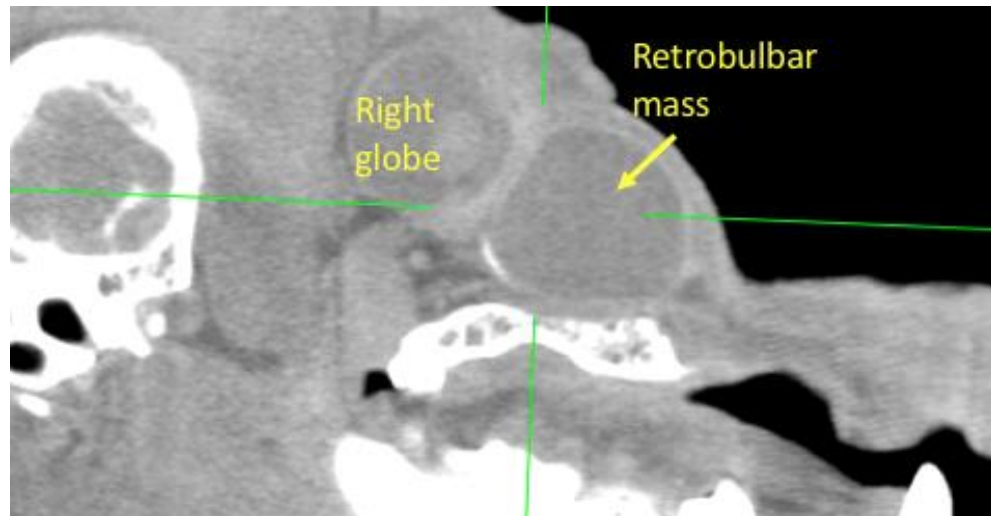
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PATIENT

Hamish Taylor

SPECIES

Canine

BREED

Westie

SEX

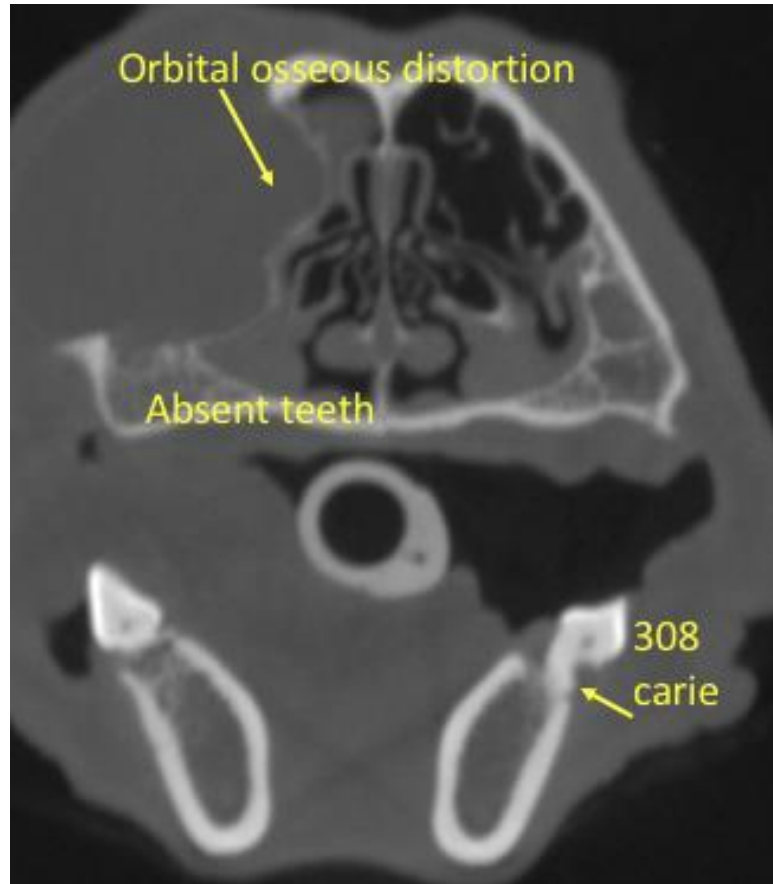
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

REFERRING VET

Sarah Warner

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