



**PATIENT**

Magnum Tendick

**PRESENTING CLINICAL SIGNS**

Left eye exophthalmic, suspect retrobulbar abscess. Dental cleaning performed, extracted 210, no large amount of purulent drainage  
 Abnormal PE/Chem/CBC/UA Results: CBC - Hemoconcentration HCT 63.3%, Chem10 - Elevated total protein 8.5, Elevated globulins 5.4, Low ALP 15

**SPECIES**

Canine

**COMPUTED TOMOGRAPHY OF THE SKULL**

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

**BREED**

French Bull Dog

**COMPUTED TOMOGRAPHIC FINDINGS**

Triadan 205, 305, 311, 405 and 411 are absent. Moderate rotation of the premolar teeth is present.

**SEX**

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

**MN**

A significant homogeneous subcutaneous swelling is seen in the region of the left orbit. In the medial aspect of the left orbit, a peripheral contrast enhancing, and central fluid attenuating swelling is appreciated, measuring 2.2 x 1.0 x 1.4 cm in size. The left ocular bulb is displaced rostrally and laterally by the mass effect.

**AGE**

5

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 contain are filled with non-contrast enhancing soft tissue material, the osseous lining is prominent and smooth. The horizontal segment of the external ear canals is moderately narrowed, bilaterally.

**HOSPITAL NAME**

Wilvet Salem

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.

The left mandibular lymph nodes and the left medial retropharyngeal lymph node are prominent.

In the sagittal plane, incomplete fusion of the ventral arch of C1 is appreciated.

**REFERRING VET**

Dr. Kristin Peterson

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Left sided cavitory retrobulbar lesion
- Secondary left sided exophthalmos
- Lymphadenopathy left mandibular and medial retropharyngeal lymph nodes
- Edematous subcutaneous swelling region left orbit
- Bilateral otitis media, likely primary secretory
- Incidental incomplete ossification ventral arch C1
- Multiple absent teeth

**INVOICE**

53452

**DATE**

8-14-22

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study is support in the diagnosis of left sided retrobulbar abscess formation in the mediocaudal aspect of the left orbit. Secondary inflammatory edematous subcutaneous swelling in the region of the left orbit and reactive hyperplasia of the tributary lymph nodes. Depending on



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development of clinical signs under therapy, ultrasound can be used to localize fluid pockets ± migrating foreign material (not appreciated in the CT study).

The odds for neoplastic origin (e.g. myxosarcoma, melanoma) are very low.

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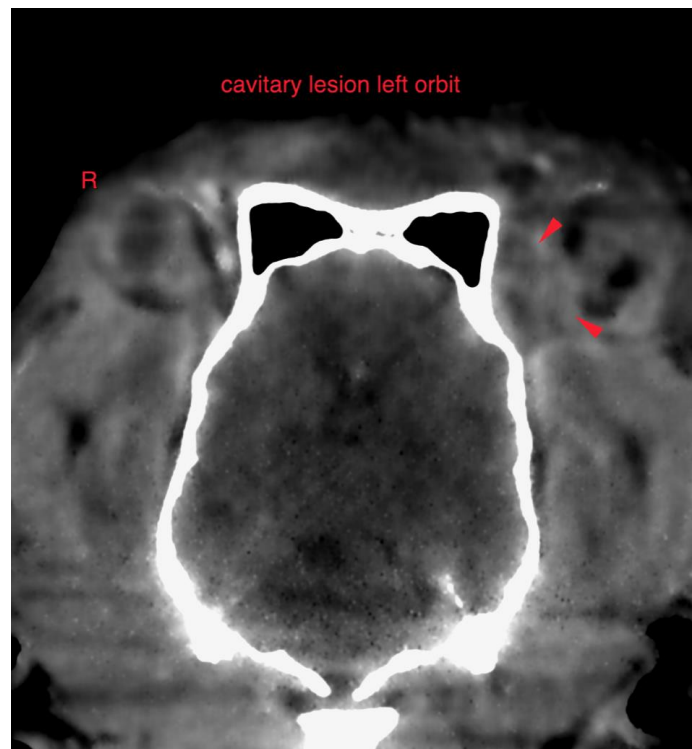
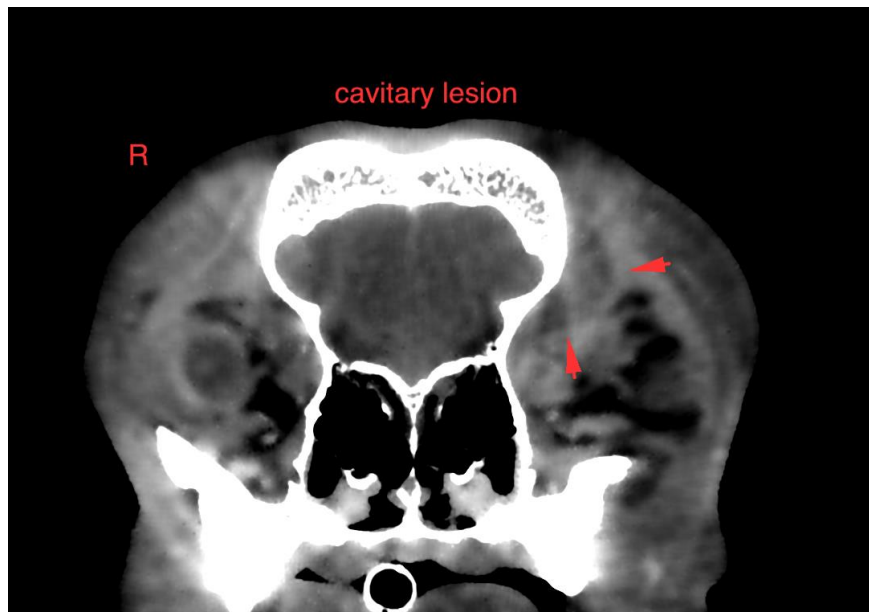
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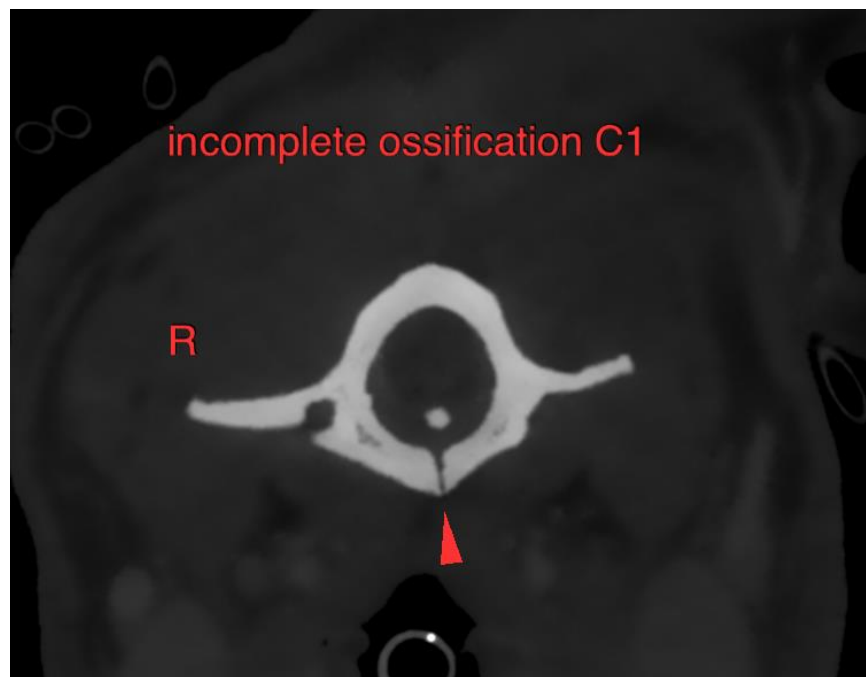
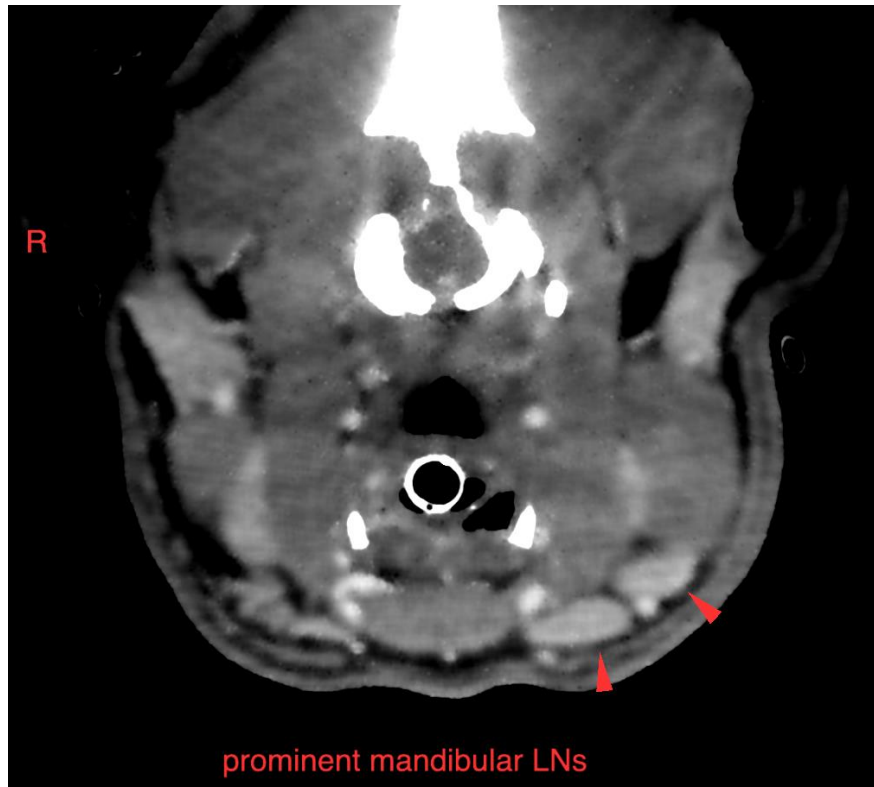
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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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