



**PATIENT PRESENTING CLINICAL SIGNS**

Darwin Heiser Swollen around left eye. r/o retrobulbar abscess? Neoplasia? Trauma?  
 Abnormal PE/Chem/CBC/UA Results: ALK Phosphatase 550, Na/K Ratio 39, neutrophils 10962, lymphocytes 504, t4 <0.5

**SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Canine Plain and post contrast studies available for review.

**BREED COMPUTED TOMOGRAPHIC FINDINGS**

Weimaraner A rectangular shaped cavitory lesion of approximately 4 x 2 cm is seen in the left retrobulbar, retromolar, and temporalis soft tissues. Thick peripheral rim enhancement is noted with multiple intracavitary septations. The content of the cavity is uniformly fluid attenuating and contrast negative. Extensive peripheral soft tissue swelling with increased contrast enhancement is noted.

**SEX**  
 MN The left zygomatic gland is moderately enlarged and presents heterogeneous contrast enhancement. There is moderate left hand sided exophthalmos.

**AGE**  
 9 Years The left submandibular and medial retropharyngeal lymph nodes are moderately enlarged.

The right zygomatic gland is mildly enlarged with mildly heterogeneous contrast enhancement. No overt exophthalmos is seen.

**INTERPRETED BY COMPUTED TOMOGRAPHIC DIAGNOSIS**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

- Suspect left hand sided retrobulbar abscess with peripheral cellulitis, myositis, and sialadenitis.
- Left hand sided medial retropharyngeal and submandibular lymphadenitis.
- Suspect mild right zygomatic sialadenitis.

**HOSPITAL NAME**

Mount Olive  
 Veterinary Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings do strongly support presence of an abscess in the left retrobulbar, retromolar, and temporalis soft tissues. No foreign material is seen. Sialocele of the zygomatic salivary gland is a potential but by far less likely differential diagnosis. Secondary reactive sialadenitis is considered more likely. Idiopathic inflammation of the bilateral salivary glands may be present since the right zygomatic gland presents mild abnormality as well. Finger like extensions of the presumed abscess cavity into the retromolar, retrobulbar, and temporalis muscle soft tissue are noted and require drainage. There is no evidence of a retrobulbar neoplasia.

**REFERRING VET**

Dr. Logan

**INVOICE**

57842

The lymph node changes are compatible with reactive lymphadenitis.

**DATE**

4-17-23



**PATIENT**

Darwin Heiser

**SPECIES**

Canine

**BREED**

Weimaraner

**SEX**

MN

**AGE**

9 Years

**INTERPRETED BY**

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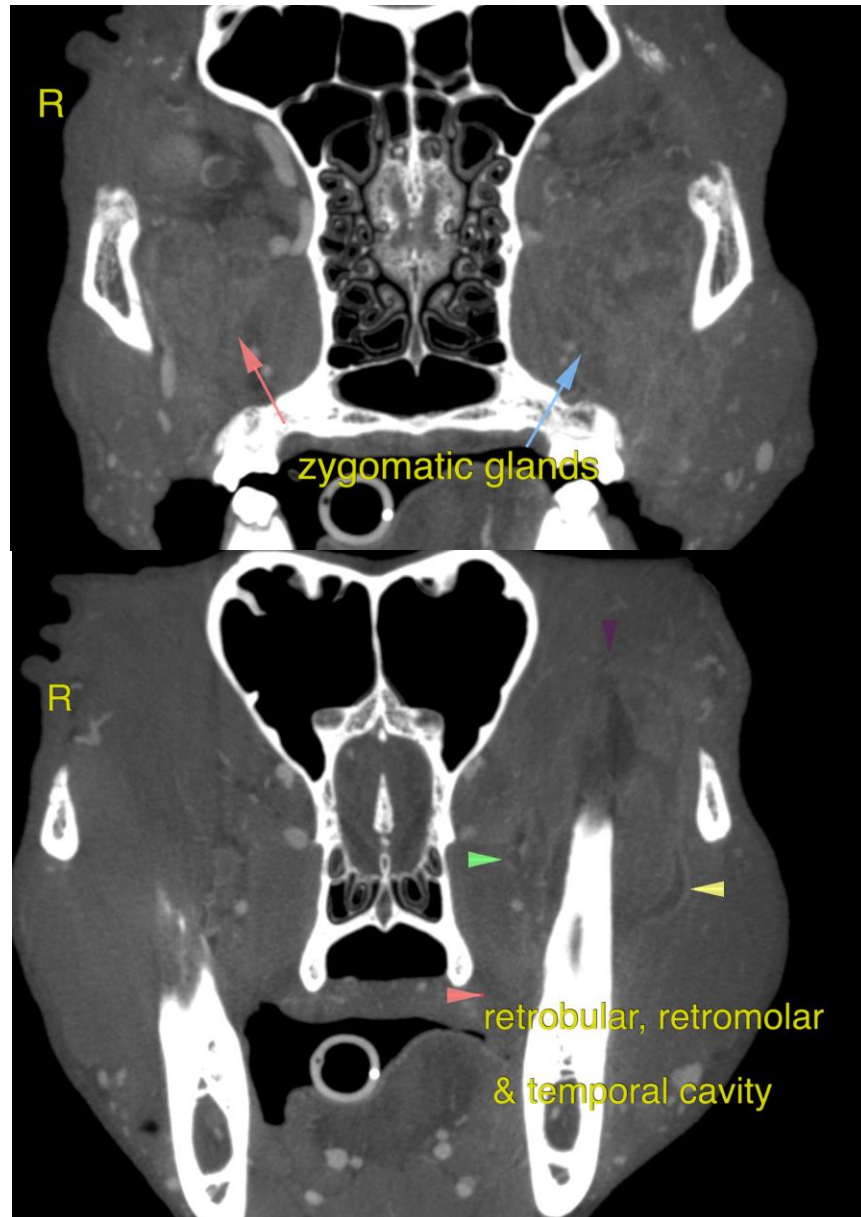
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**PATIENT**

Darwin Heiser

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.

**SPECIES**

Canine

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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**BREED**

Weimaraner

**SEX**

MN

**AGE**

9 Years

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