



**PATIENT**

Anya Loewen

**SPECIES**

Canine

**BREED**

German Shepherd

**SEX**

Spayed Female

**AGE**

11.5 Years

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Wilvet Salem

**REFERRING VET**

Dr. Kristen Peterson

**INVOICE**

50099

**DATE**

2-7-22

**PRESENTING CLINICAL SIGNS**

P has been having random nose bleeds off and on for the last 3-4 months (starting around 10/2021), O reports worsening of bleeds starting 01/2022, 2/3/22 O noticed P started to "sound congested", P presented to WVS for nose bleed that wouldn't stop dripping. rDVM tried antihistamines, antibiotics, and anti-inflammatory medications - O reports no improvement on any of them. CT performed to locate potential mass. Sample collected by extracting premolar # 7 and flushing tissue out through the extraction site hole using a 60 cc syringe of sterile saline pushed through the R nostril multiple times. Moderate to large amount of tissue remaining within the nasal cavity after sample was taken - Sample submitted to lab for testing 2/7/22. Abnormal PE/Chem/CBC/UA Results: PE - Not interested in food today, melena in kennel, respiratory effort: Nasal stertor audible, hemorrhagic nasal discharge, QAR EPOC - Hyperglycemia 148, elevated BUN 29 with normal CREA 0.53 (suspect secondary to digested blood), Hypokalemia 3.2, Elevated lactate 3.13

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Post-contrast study available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

An approximately 10.0 x 4.0 cm sized soft tissue attenuating ill-defined mass is occupying the entire right nasal cavity. There is extensive regional turbinate destruction as well as polyostotic aggressive osteolysis involving the right frontal, palatal, maxillary, and nasal bones as well as the nasal septum, and right bony orbita, which allows for extension of the mass onto the dorsum of the nose, into the right orbita, into the nasal fundus, left nasal cavity, and right frontal sinus. The cribriform plate is intact at this point.

The regional lymph nodes present within normal limits.

A moderate amount of fluid attenuating material is accumulating in the nasopharynx.

Triadan 408 is retained and impacted.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with aggressive biological behavior within the right nasal cavity and right frontal sinus with polyostotic bone lysis and extension into the left nasal cavity, right orbita, and onto the dorsum of the nose.
- Nasopharyngeal hematoma/blood clots.
- Retained and impacted triadan 408.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with a malignant soft tissue neoplasia of the right nasal cavity with extension into the right frontal sinus, right orbita, nasopharynx, left nasal cavity, and onto the dorsum of the nose. Differential diagnosis includes adenocarcinoma, other carcinoma, and less likely lymphosarcoma, fibrosarcoma, or other. Sampling has been performed to obtain a final diagnosis. At this time, there was no evidence of intracranial extension; however, tumor growth is extensive and the long term prognosis is unfortunately poor.



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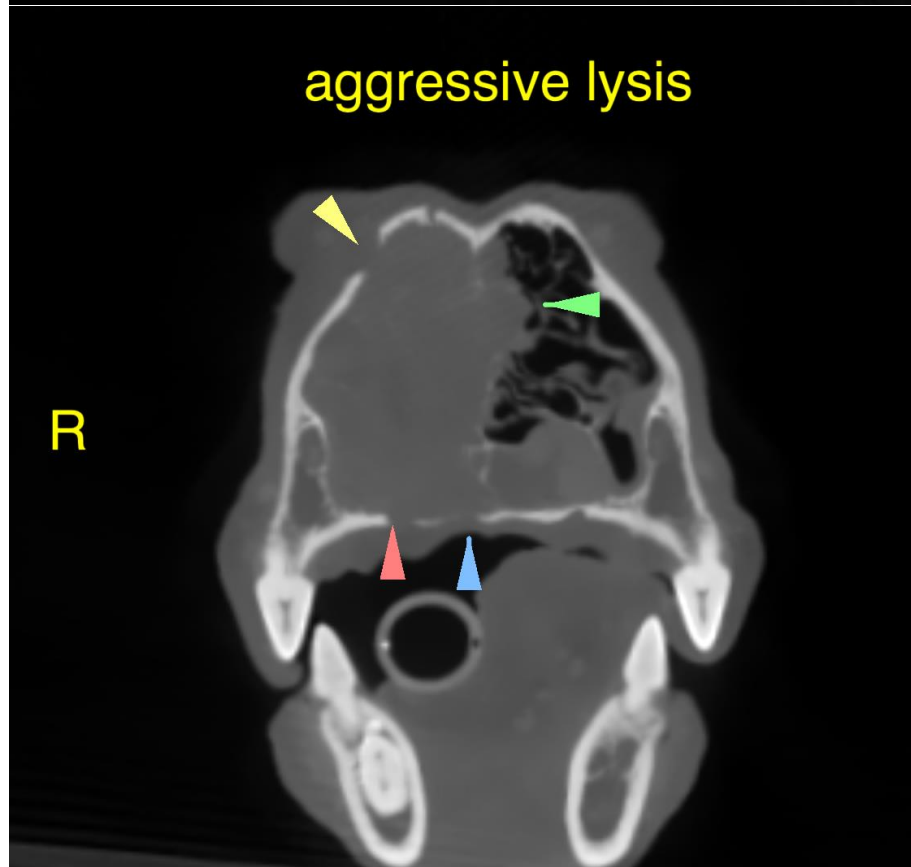
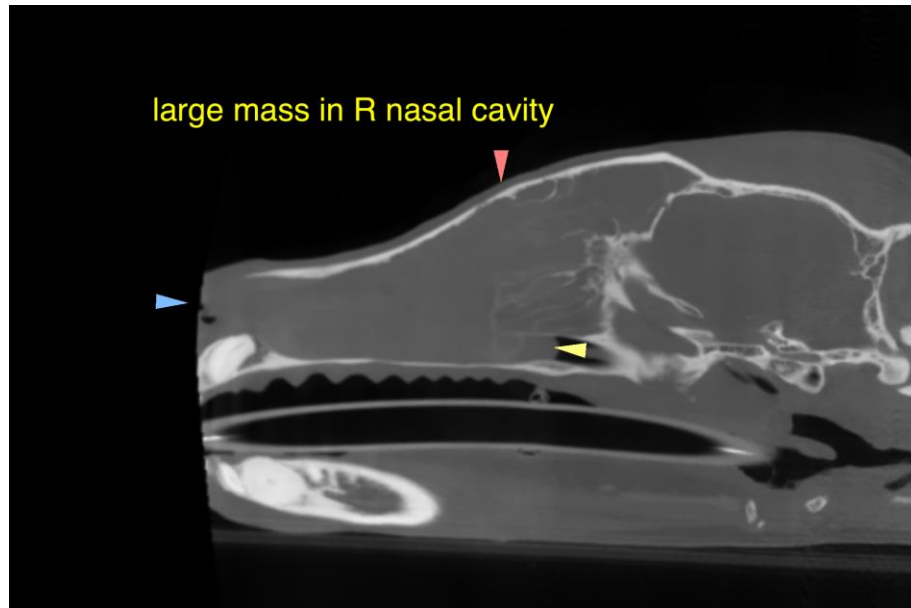
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**SPECIES**

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.

**BREED**

German Shepherd

**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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