



**PATIENT**

Shadow Rasmussen

**PRESENTING CLINICAL SIGNS**

4 month history of right sided nasal discharge, recently similar mucoid discharge from the left, no responsive to antibiotics, rhinoscopy negative for FB.

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Border Collie Mix

**COMPUTED TOMOGRAPHIC FINDINGS**

A large irregular shaped and ill-defined soft tissue attenuating mass is seen in the ventral aspect of the right nasal cavity. The mass measures approximately 6.5 cm in length and 3.5 cm in width. Regional conchae and turbinate destruction is noted as well as polyostotic aggressive bone lysis of the neighboring bones including the hard palate, right nasal and maxillary bones, right orbita, pterygoid, and cribriform plate. The mass presents early right orbital extension as well as extension into the nasal fundus and left nasal cavity. The right frontal sinus is filled with fluid attenuating material. Half of the left frontal sinus contains fluid attenuating material in a gravity dependent position. The rostral third of the right nasal cavity and the entire left nasal cavity contain fluid attenuating material.

**SEX**

MN

**AGE**

15 Years

The right submandibular lymph nodes are mildly enlarged. The retropharyngeal lymph nodes present within normal limits.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

Mild thickening of the epithelial lining of the external auditory meatuses and mild fluid accumulation within the left tympanic bulla are seen.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with aggressive biological behavior and polyostotic aggressive bone lysis in the right nasal cavity extending into the right orbita, left nasal cavity, nasal fundus, and cranial vault.
- Secondary rhinosinusitis / sinonasal hemorrhage.
- Mild right submandibular lymphadenomegaly.
- Bilateral otitis externa.
- Left sided otitis media.

**HOSPITAL NAME**

Petroglyph Animal Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with malignant soft tissue neoplasia within the right nasal cavity such as adenocarcinoma, squamous cell carcinoma, lymphosarcoma, or soft tissue sarcoma. Final diagnosis will require sampling for histology which could be considered to obtain if the owners are interested in pursuing palliative tumor treatment. Note the extensive tumor growth as well as the early invasion of the cranial vault.

**REFERRING VET**

Dr. Raymond Hudgell

**INVOICE**

52205

**DATE**

5-31-22



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**REFERRING VET**

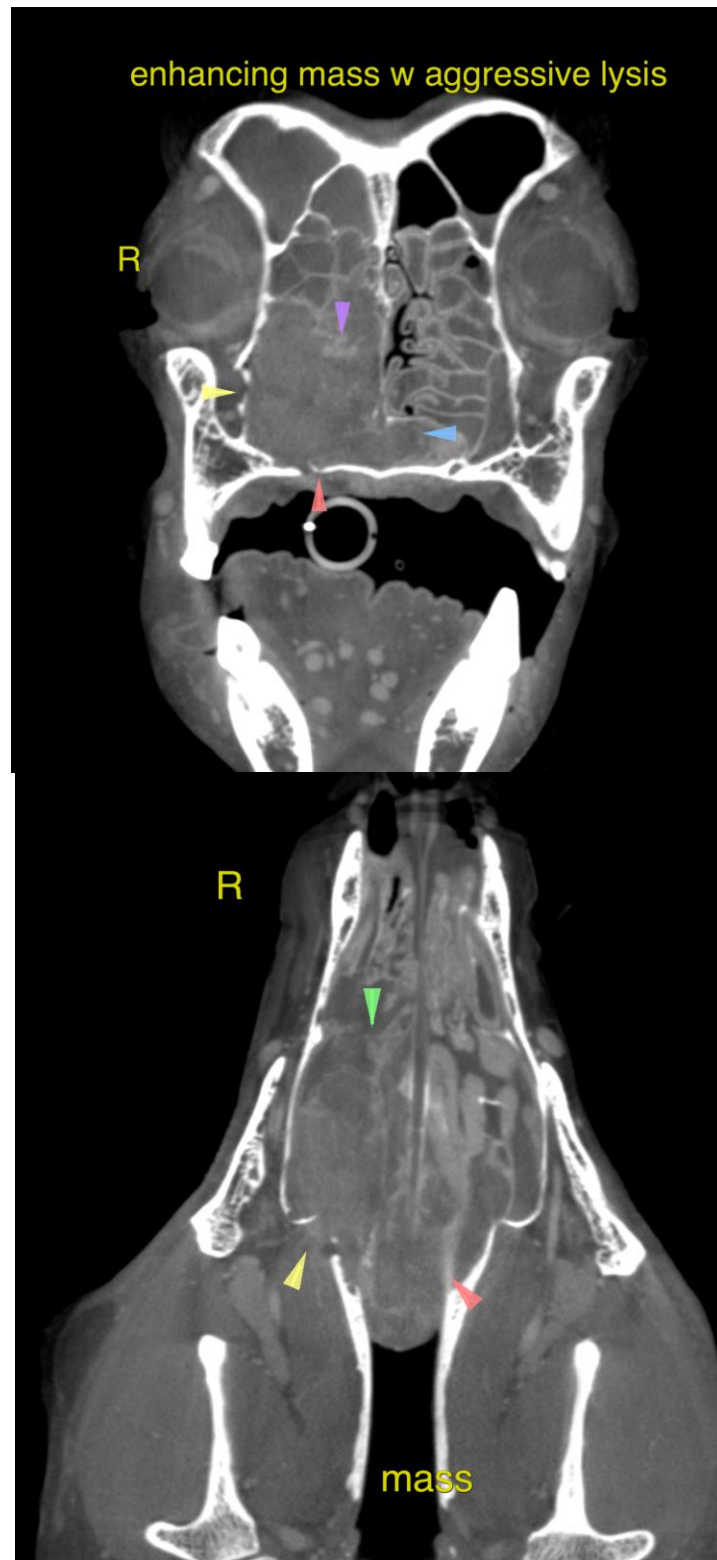
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**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.

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Border Collie Mix

**Nele Eley**, DVM, Dr. med. vet., DipECVDI  
European Specialist in Veterinary Diagnostic Imaging, Cert. Radiology,  
Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
Nele.Eley@sonopath.com

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