

**PATIENT**

Buddy #26730AA-CT  
Shiley-Hughes  
Yankee Hill

**SPECIES**

Canine

**BREED**

Maltese Mix

**SEX**

MN

**AGE**

7 Years, 10 Months

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**HOSPITAL NAME**

Gentle Doctor Animal  
Hospitals

**REFERRING VET**

Pete Bashara, DVM

**INVOICE**

55921

**DATE**

1-2-23

**PRESENTING CLINICAL SIGNS**

2 month history of progressive unilateral respiratory changes. Congestion noted with minor drainage and sneezing. Continues to eat and drink well with no weight loss noted. RDVM with recent complete dental therapy and no pathology noted - direct nasal visualization with reported grossly abnormal nasal tissues - biopsy found only inflammatory changes. Referral for CT imaging today and rhinoscopic exam if indicated with concerns for foreign material. Abnormal PE/Chem/CBC/UA Results: No changes with labs submitted - normal PTT -- PT not completed

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**COMPUTED TOMOGRAPHIC FINDINGS**

A moderate amount of fluid attenuating material is seen ventrally within both nasal cavities. There is mild multifocal swelling of the mucosal lining of the nasal turbinates within both nasal cavities. Regional turbinate destruction is noted in the region of the middle nasal meatus in the left nasal cavity with regionally accentuated mucosal swelling. The cribriform plate is intact. No foreign material is seen. A large amount of fluid attenuating material and mucosal swelling are noted within the right frontal sinus. The right frontal sinus presents early osseous remodeling of its external and internal laminae.

The dentition is incomplete with the dental elements 201 and 205 being absent. Widening of the pulpal cavity of the triadan 102 is seen. There is no evidence of significant periodontal space widening, dental-nasal fistula, or other dental pathology that would be relevant in the context of the changes of the nasal tissues.

The regional lymph nodes present within normal limits.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Bilateral rhinosinusitis with regional destructive component within the left nasal cavity.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT study reveals bilateral rhinosinusitis. The CT changes support subacute to chronic disease. Significant involvement of the right frontal sinus and both nasal cavities is noted. Regional turbinate destruction is seen within the left nasal cavity and centered around the middle nasal meatus. No foreign material is seen at this point. Differential diagnosis includes infectious rhinitis such as bacterial or viral. Early fungal infection cannot be ruled out. The presence of very small pieces of organic foreign material can never be ruled out entirely however no foreign material is seen directly. Further definition by means of rhinoscopy with sampling for bacterial and fungal culture is recommended if not performed already.



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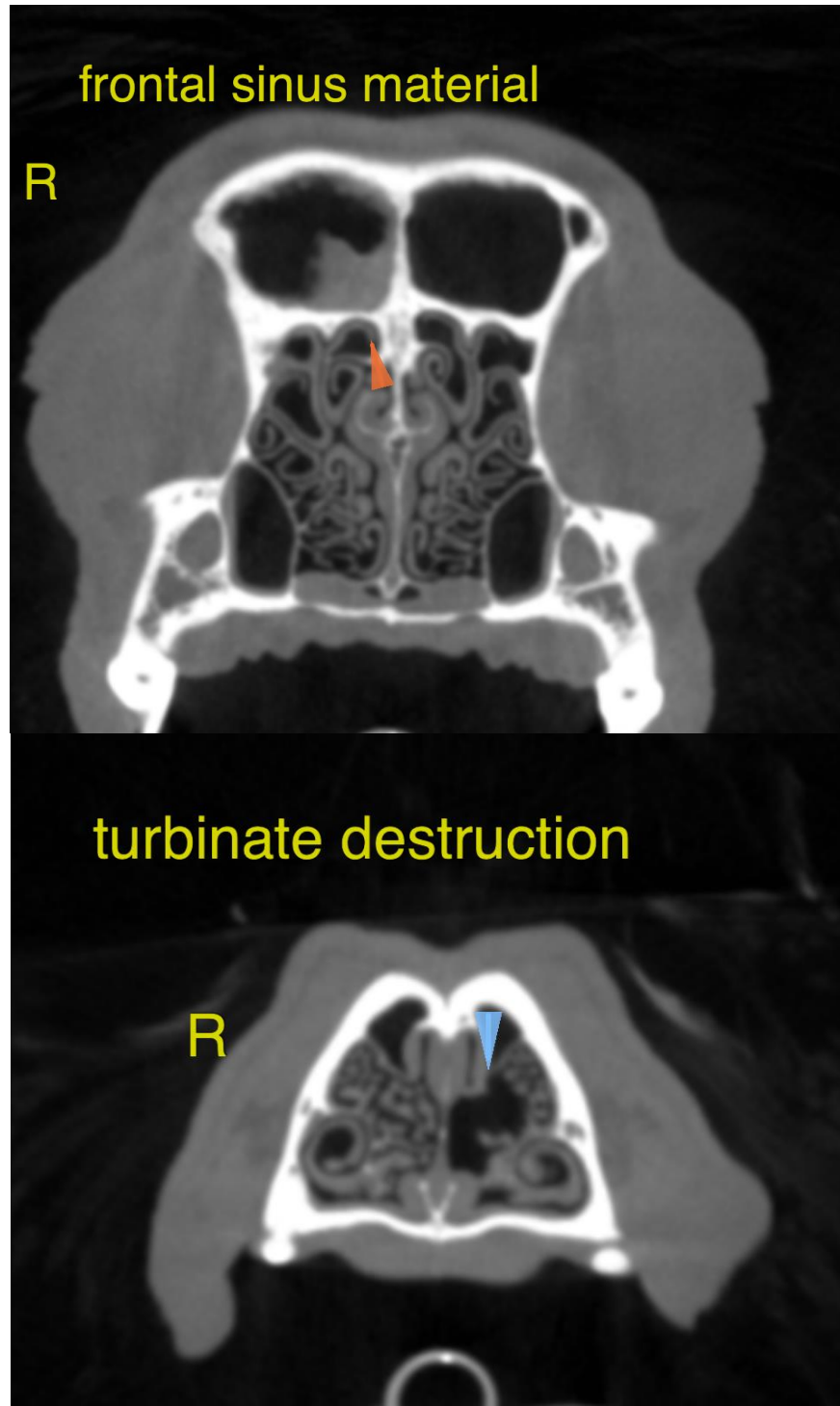
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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Senior lecturer University of Giessen, Germany, Veterinary Faculty, Department of Radiology  
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