



**PATIENT**

Duncan Auge

**PRESENTING CLINICAL SIGNS**

Patient has a history of nasosinal carcinoma that was diagnosed in January 2023. He underwent radiation therapy at CSU two months ago. Owner is noticing some reverse sneezing though pet has more energy. This is a recheck CT.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: CBC WNL; BUN 36, ALT 132, and ALP 549

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review. Compared to prior study dated 10/2022.

**BREED**

Scottish Terrier

**COMPUTED TOMOGRAPHIC FINDINGS**

Patient has a history of right hand sided sinonasal carcinoma and radiative treatment.

**SEX**

MN

The soft tissue mass filling the entire right nasal cavity and part of the right nasal sinus is no longer seen. Extensive turbinate destruction is noted. Remnants of the middle nasal concha are coated with irregularly swollen and enhancing soft tissue. Smaller non-enhancing nodular areas of tissue are seen within the middle nasal concha and level with the dorsal ethmoid turbinates. Moderate nasal and sinus mucosal swelling are noted. The left nasal cavity and left frontal sinus present within normal limits.

**AGE**

13 Years

No evidence of regional lymphadenomegaly is noted.

There is no evidence of progression of aggressive osteolytic changes.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Suspect partial remission of the right sinonasal carcinoma after radiative treatment with extensive turbinate loss within the right nasal cavity.

**HOSPITAL NAME**

Petroglyph Animal Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings support partial remission of the right sinonasal carcinoma. The loss of turbinates may be due to aggressive tumor lysis, osteonecrosis after radiative treatment, or a combination of these. The partially enhancing soft tissue associated with the remnants of the right middle nasal concha may represent inflammatory mucosal hyperplasia, scar tissue, or tumor remnants. Regrowth of a macromorphological soft tissue mass is not noted at this point. The reverse sneezing may be due to the altered anatomic relationships within the right nasal cavity, ongoing inflammation/necrosis, and less likely recurring carcinoma.

**REFERRING VET**

Alice Ku

**INVOICE**

57814

**DATE**

4-15-23



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**HOSPITAL NAME**

Petroglyph Animal  
Hospital

**REFERRING VET**

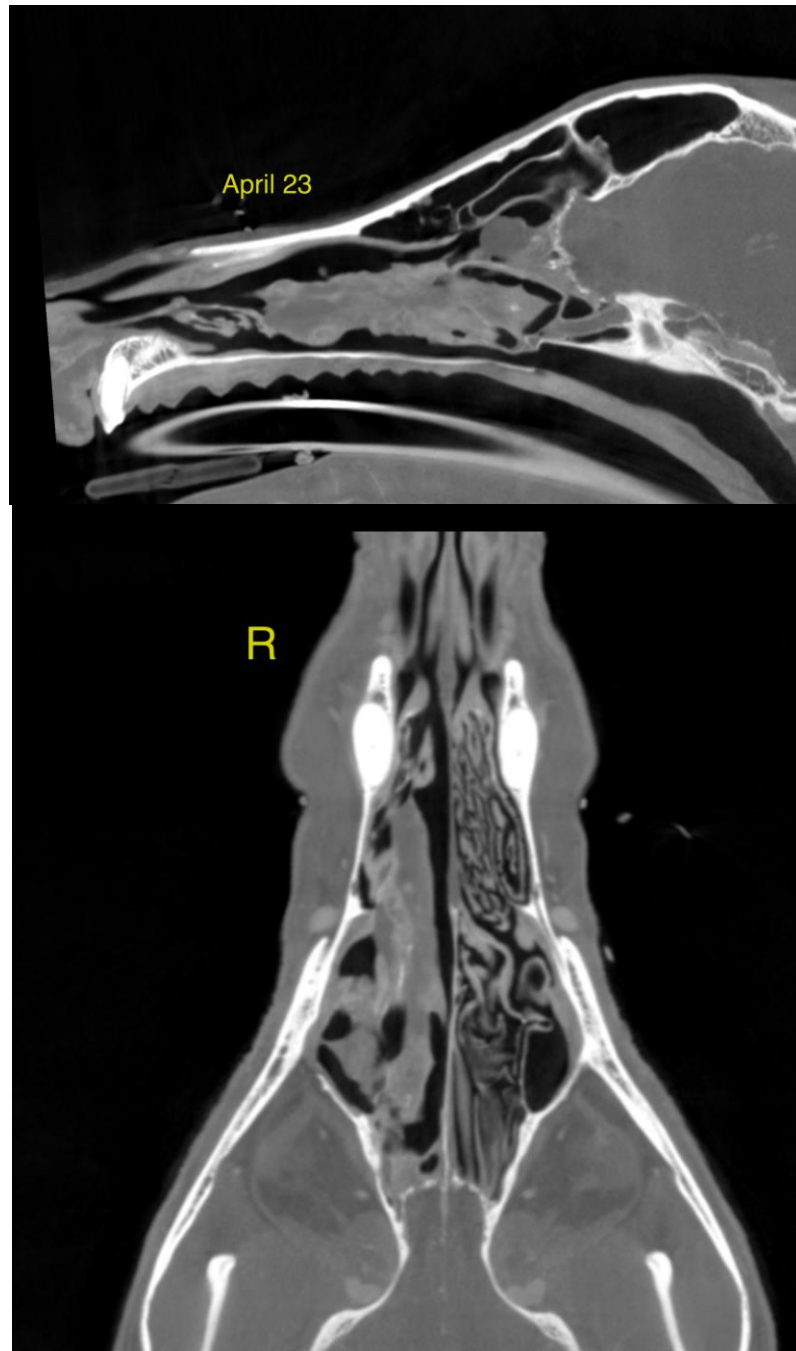
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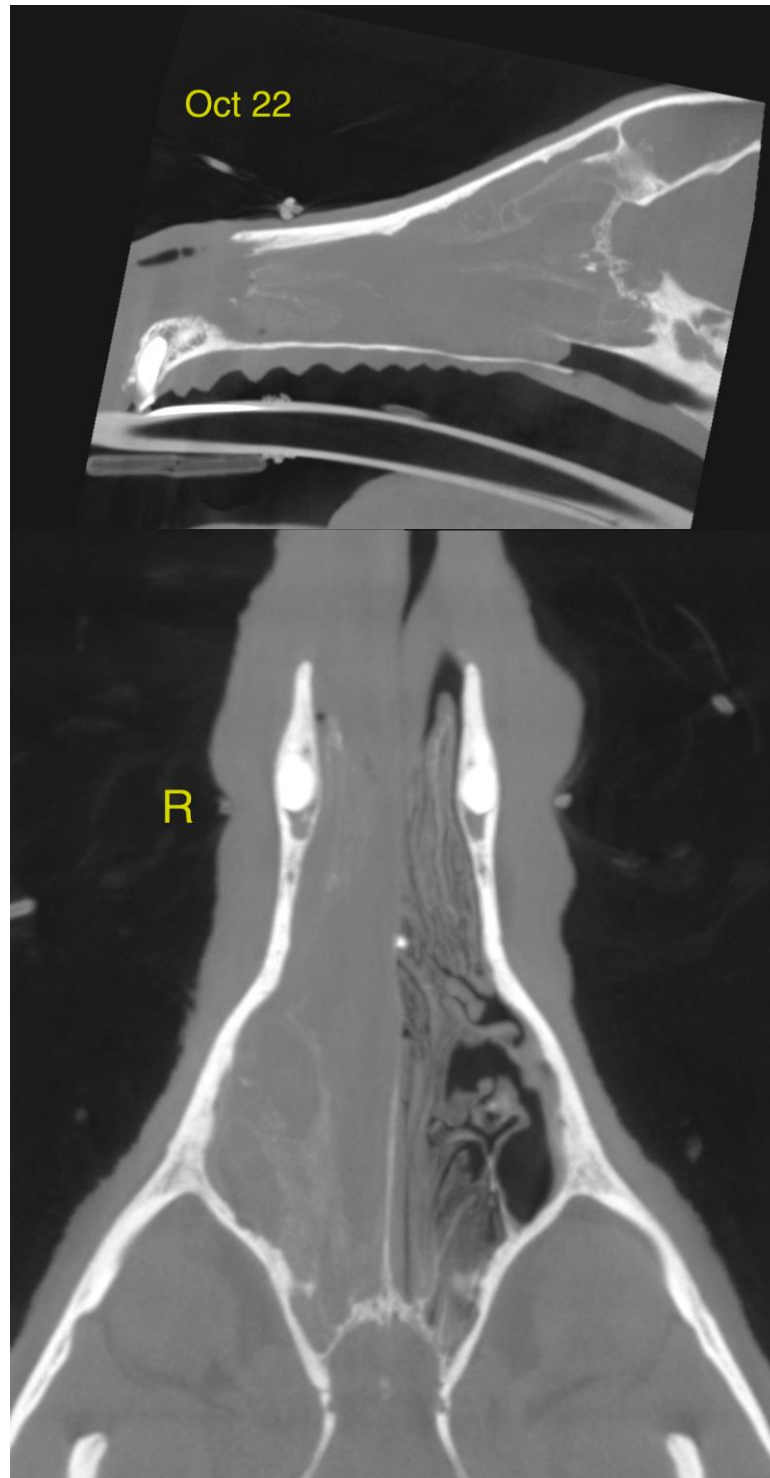
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

**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**

Scottish Terrier

**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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