



**PATIENT**

Callie McDonough

**PRESENTING CLINICAL SIGNS**

patient started sneezing, coughing, wheezing, phlegm, blood from nose prompted exam  
Abnormal PE/Chem/CBC/UA Results: Upper respiratory congestion

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Post contrast study available for review.

**BREED**

American Pitbull  
Terrier

**COMPUTED TOMOGRAPHIC FINDINGS**

The CT study reveals a large irregular shaped and ill-defined soft tissue attenuating mass within the right nasal cavity. The mass is measuring approximately 5 cm in length, 3 cm in height, and 2 cm in width. Lesion margins are ill-defined. Regional turbinate destruction and polystotic aggressive bone lysis are noted. There are permeative osteolytic defects of the right hard palate, right maxillary, nasal, and frontal bones as well as of the cribriform plate, right bony orbita, and bony nasal septum. Extension of the mass into the right orbita and cranial vault is noted. The contrast enhancement pattern is moderate and nonuniform. The right frontal sinus is occupied with fluid attenuating material.

**SEX**

FS

The retropharyngeal lymph nodes present within normal limits.

**AGE**

13 Years

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Right nasal soft tissue mass with aggressive biological behavior and extension into the right orbita as well as into the cranial vault.
- Secondary obstructive right frontal sinusitis.
- No evidence of regional lymph node metastases.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with malignant soft tissue neoplasia of the right nasal cavity with intracranial extension as well as extension into the right orbita. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, and less likely lymphosarcoma, or soft tissue sarcoma. Final diagnosis would require sampling for histology. Note the extensive tumor growth and intracranial extension.

**HOSPITAL NAME**

Animal Surgical  
Center - Oceanside

**REFERRING VET**

Juniper Valley Animal  
Hospital

**INVOICE**

59692

**DATE**

8-14-23



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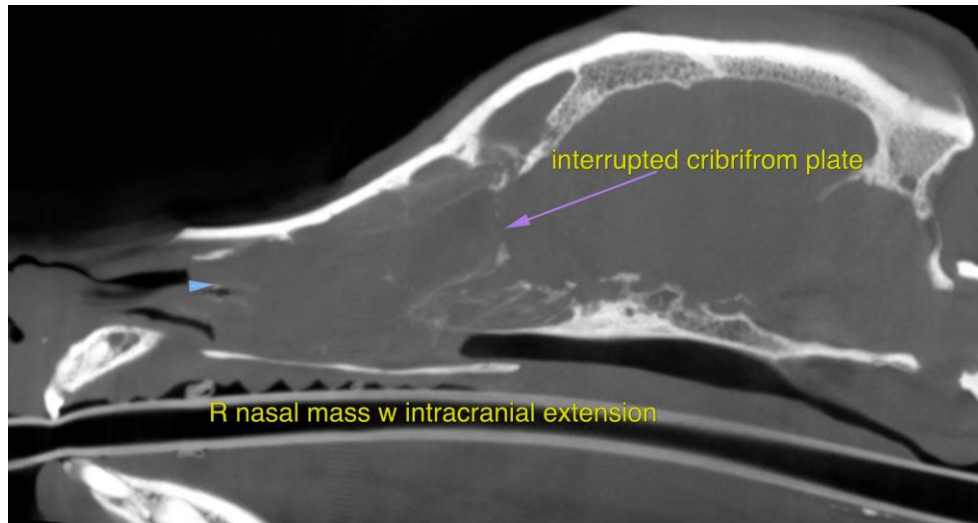
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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