

**PATIENT**

Izzy Davis

**PRESENTING CLINICAL SIGNS**

Patient referred for nasal bleeding. Unilateral bleed from the right side for the past 2 weeks. Echo showed mitral valve regurgitation, but no heart failure.  
Abnormal PE/Chem/CBC/UA Results: Lymphocytes 1.03 K/uL MPV 14.2 fL Heartworm negative Chem normal

**SPECIES**

Canine

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD**

Plain and post contrast studies available for review.

**BREED**

Boxer

**COMPUTED TOMOGRAPHIC FINDINGS**

The CT study reveals an irregular shaped soft tissue attenuating cavitated mass of approximately 3.0 x 2.0 x 2.0 cm within the caudal third of the right nasal cavity. The mass is in contact with the cribriform plate. Multiple small interruptions of the cribriform plate are seen. There is a mass effect onto the right olfactory bulb. Aggressive osteolysis of the right bony orbita is noted which allows for extension of the mass into the medial and ventral aspect of the right orbita. Moderate nonuniform contrast enhancement is seen on the post-contrast study. There is regional turbinate destruction. The frontal sinuses and left nasal cavity are unaffected.

**SEX**

Spayed Female

**AGE**

6 Years

The regional lymph nodes present within normal limits.

**COMPUTED TOMOGRAPHIC DIAGNOSIS**

- Soft tissue mass with aggressive biological behavior and intercranial as well as intraorbital extension within the caudal third of the right nasal cavity.

**INTERPRETED BY**

Nele Eley, DVM  
Dr. med. Vet. DipECVDI

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with a malignant neoplasia within the caudal third of the right nasal cavity. The mass is expansile in character and presents early intercranial extension as well as extension into the medial aspect of the right orbita. Polyostotic aggressive osteolytic changes are seen. Differential diagnosis includes adenocarcinoma, other carcinoma, esthesioneuroblastoma, lymphosarcoma, chondrosarcoma, and fibrosarcoma. Final diagnosis will require sampling for histology which should be obtained by means of rhinoscopy if not performed already.

**HOSPITAL NAME**

Neel Veterinary  
Hospital

**REFERRING VET**

Dr. Deepan Kishore

**INVOICE**

50500

**DATE**

2-22-22



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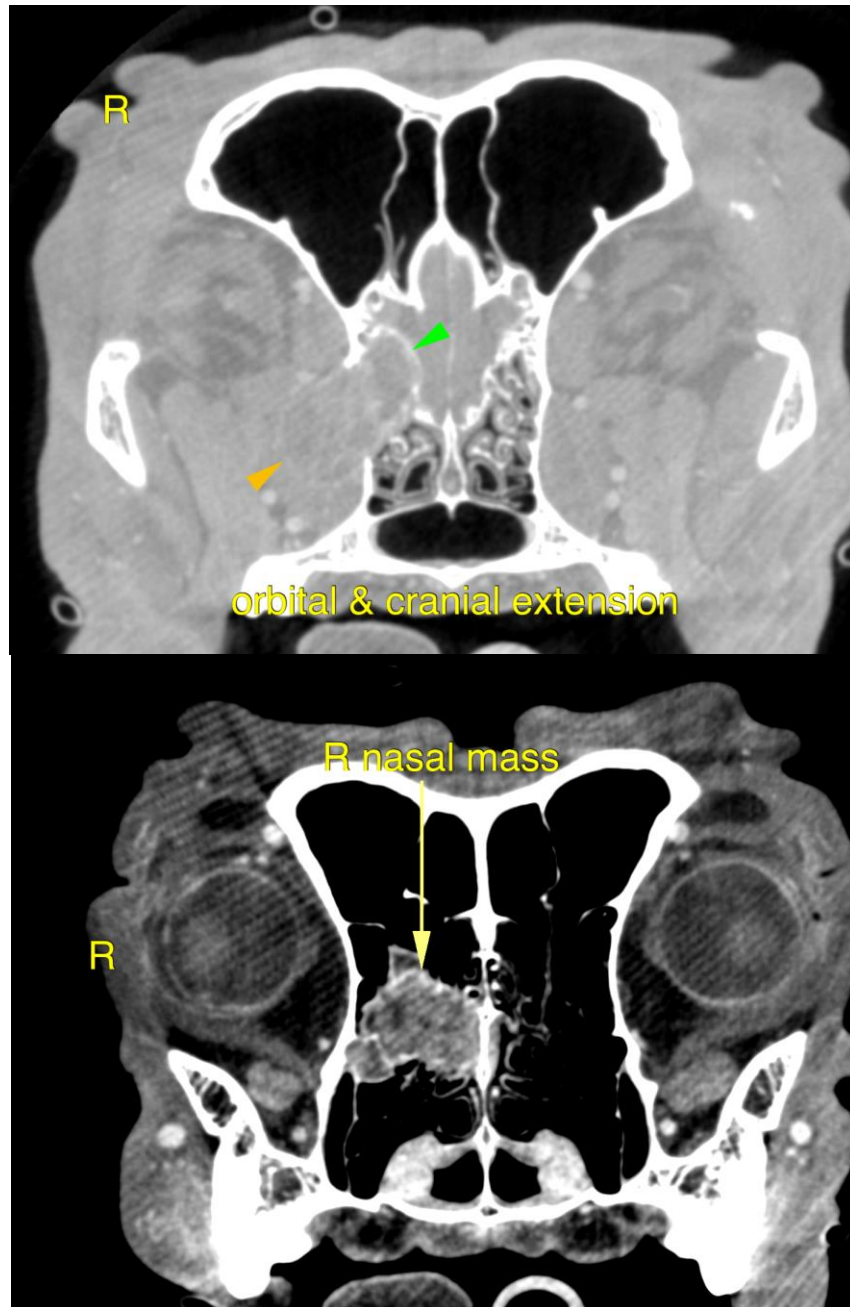
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

**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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