



**PATIENT PRESENTING CLINICAL SIGNS**

**Toots Berry**  
**SPECIES** Canine  
**BREED** Toy Poodle

Patient came in as a referral from primary care vet. Since March of 2023 pt has had bilateral epistaxis, as well as sneezing blood. RDVM tried oral medications, Tamaril P was given and did not resolve the issue. She then started coughing and having trouble breathing in April, so rDVM prescribed Tamaril P and Clavamox Drops. These medications still did not resolve the bleeding, coughing and wheezing. Patient came in today and only had bleeding from the left nostril. O recently noticed that there is a protrusion above her left eye.  
 Abnormal PE/Chem/CBC/UA Results: Elevated Values:WBC-18.62 K/uL, Neutrophils- 15.66 K/uL, Plateletcrit- 0.5%, ALP-682 Decreased Values: Hemoglobin-12.8 g/dL, MCV-61.1 fL, MCH-20.6pg

**COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, NECK, & THORAX**

Plain and post contrast studies available for review.

**SEX COMPUTED TOMOGRAPHIC FINDINGS**

Spayed Female

**Head & Neck**

**AGE** 16 Years

A large irregular shaped and ill-defined soft tissue attenuating mass is seen within the left nasal cavity. The mass measures approximately 5 cm in height, 3 cm in length, and 2 cm in width. The mid and caudal third of the left nasal cavity are completely occupied by the mass. The mass extends into the nasal choana, right nasal cavity, right frontal sinus, left orbita, and cranial vault.

**INTERPRETED BY**

Nele Eley, DVM  
 Dr. med. Vet. DipECVDI

Polyostotic aggressive bone lysis involving the hard palate, nasal septum, left maxillary and nasal bones, left bony orbita, left frontal bone, and cribriform plate is seen. The mass presents also expansive expansion onto the dorsum of the nose level with the left frontal bone and into the oral cavity. The left eye is deviated laterally and caudally by the mass. A mild intracranial extraaxial mass effect onto the left frontal lobe and left olfactory bulb is seen.

**HOSPITAL NAME**

Neel Veterinary Hospital

The bilateral submandibular and medial retropharyngeal lymph nodes present moderate asymmetric enlargement with increased contrast enhancement.

Mild bilateral otitis externa is seen.

Both lobes of the thyroid gland present within normal limits.

**REFERRING VET**

Deepan Kishore, DVM,MS, DABVP

The cervical lymph nodes present within normal limits.

**Thorax**

The cranial mediastinal lymph nodes present within normal limits.

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Atelectasis of the left cranial lung lobe is noted. There is no evidence of interstitial pulmonary nodules or masses.

No evidence of cardiovascular pathology is seen.

**DATE**

5-3-23

A large lipoma is seen caudal to the right axillary region. A smaller lipoma is seen in the cranioventral abdominal wall.

**PATIENT**

Toots Berry

There appears to be a small nodule of the cranial pole of the right adrenal gland. The left adrenal gland presents within normal limits.

Mucosal hyperplasia is seen within the gallbladder.

**SPECIES**

Canine

Cortical renal cysts are seen within both kidneys.

Multiple hyperenhancing splenic nodules are seen.

**BREED**

Toy Poodle

- COMPUTED TOMOGRAPHIC DIAGNOSIS**
- Large expansile soft tissue mass with aggressive biological behavior within the left nasal cavity with extension into the nasal choana, right nasal cavity, left orbita, oral cavity, and cranial vault as well as extension onto the dorsum of the nose.
  - Moderate bilateral submandibular and retropharyngeal lymphadenomegaly.
  - Mild bilateral otitis externa.
  - No evidence of pulmonary metastases.
  - Splenic nodules.
  - Suspect right adrenal gland nodule.
  - Suspect polypoid hyperplasia of the gallbladder wall.
  - Thoracic and abdominal wall lipomas.
  - Degenerative changes of both kidneys.

**SEX**

Spayed Female

**AGE**

16 Years

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The CT findings are compatible with a malignant soft tissue neoplasia within the left nasal cavity with extensive tumor growth and extension onto the dorsum of the nose as well as into the right nasal cavity, nasal choana, oral cavity, left orbita, and cranial vault. Differential diagnosis includes nasal adenocarcinoma, other carcinoma, and less likely lymphosarcoma, or soft tissue sarcoma. Final diagnosis would require sampling for histology. The extensive tumor growth with intracranial extension, however, should be noted.

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The changes of the regional lymph nodes suggests potential for metastatic disease. Further definition by means of FNA could be considered.

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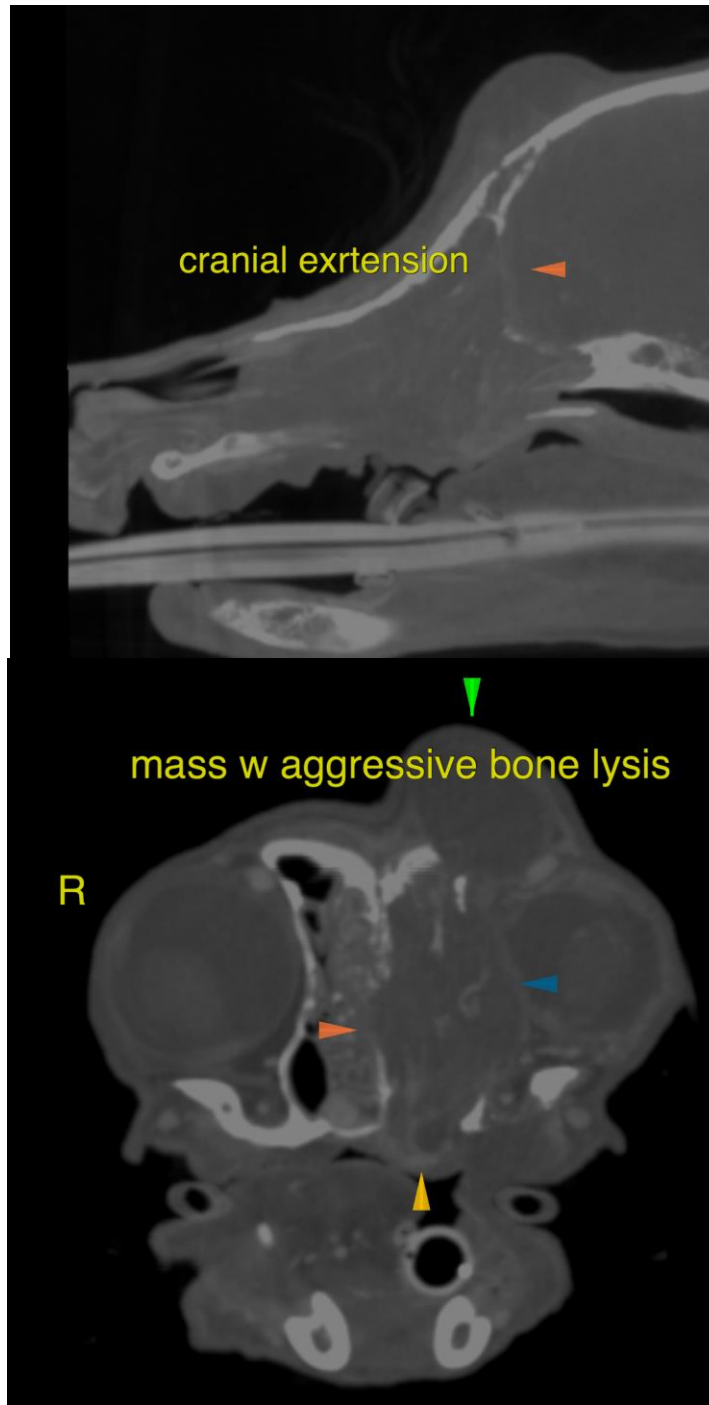
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**PATIENT**

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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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