


PATIENT PRESENTING CLINICAL SIGNS

Milo Lee Epistaxis Left nostril

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX
SPECIES

Plain and post contrast studies of the head and post contrast study of the thorax available for review.

Canine

COMPUTED TOMOGRAPHIC FINDINGS
BREED **Head**

Shepherd Mix

A large irregular shaped and ill-defined soft tissue attenuating mass is filling most of the left nasal cavity. Regional turbinate destruction is noted as well as polyostotic aggressive bone lysis involving the hard palate, left nasal and maxillary bones, left frontal bone, left bony orbita, bony nasal septum, and left ventral aspect of the cribriform plate. The mass measures approximately 10 cm in length, 3 cm in width, and 4 cm in height and extends into the nasal fundus, right nasal cavity, left orbita, and early intracranial extension is noted. The left frontal sinus contains a large amount of fluid attenuating contrast negative material. A mild amount of similar material is seen within the right frontal sinus.

SEX

Neutered Male

AGE

9 Years, 10 Months

The regional lymph nodes present within normal limits.

Thorax

A small lipoma is present within the left pectoralis muscle.

INTERPRETED BY

 Nele Eley (Ondreka),
 DVM Dr. med. vet.,
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The sternal, cranial mediastinal and tracheobronchial lymph nodes are small elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern are uniform and considered within normal limits.

The cardiovascular structures including the pulmonary vasculature are within normal limits.

Mild dorsal flattening of the thoracic trachea is seen.

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The bronchial tree presents with regular branching and tapers uniformly towards the periphery as expected, the bronchial walls are thin and smooth. The bronchus-to-artery ratio is within normal limits.

The lung parenchyma presents the expected architecture and attenuation behavior.

REFERRING VET

Meaux

Small incidental gas pockets are seen within the esophageal lumen, there is no evidence of abnormal dilation.

A small metal attenuating structure is present within a small intestinal loop within the left cranial abdomen.

INVOICE

56732

DATE

2-14-23

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Soft tissue mass with aggressive biological behavior within the left nasal cavity with polyostotic aggressive bone lysis and extension into the right nasal cavity, nasal fundus, and early extension into the left orbita and cranial vault.



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- No evidence of metastatic disease to the regional lymph nodes or lung.
- Intramuscular lipoma left pectoralis.
- Small nonobstructive metal foreign material within the small intestine.

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

SPECIES

Canine

The CT findings are compatible with malignant soft tissue neoplasia within the left cavity with extension into the right nasal cavity and nasal fundus. Note the presence of early intracranial extension and early extension into the left orbita. Differential diagnosis includes nasal adenocarcinoma, squamous cell carcinoma, lymphosarcoma, and soft tissue sarcoma. Final diagnosis will require sampling for histology.

BREED

Shepherd Mix

At this time, there is no evidence of metastatic disease to the lymph nodes or lung. However, the aggressive osteolysis involves the cribriform plate which supports the presence of early intracranial extension.

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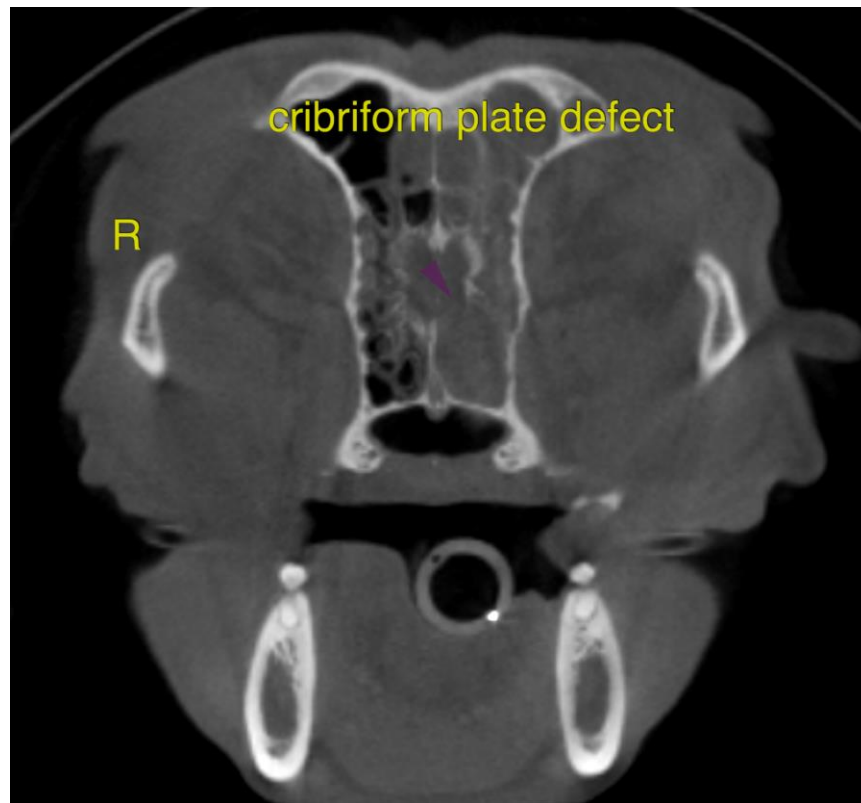
Meaux

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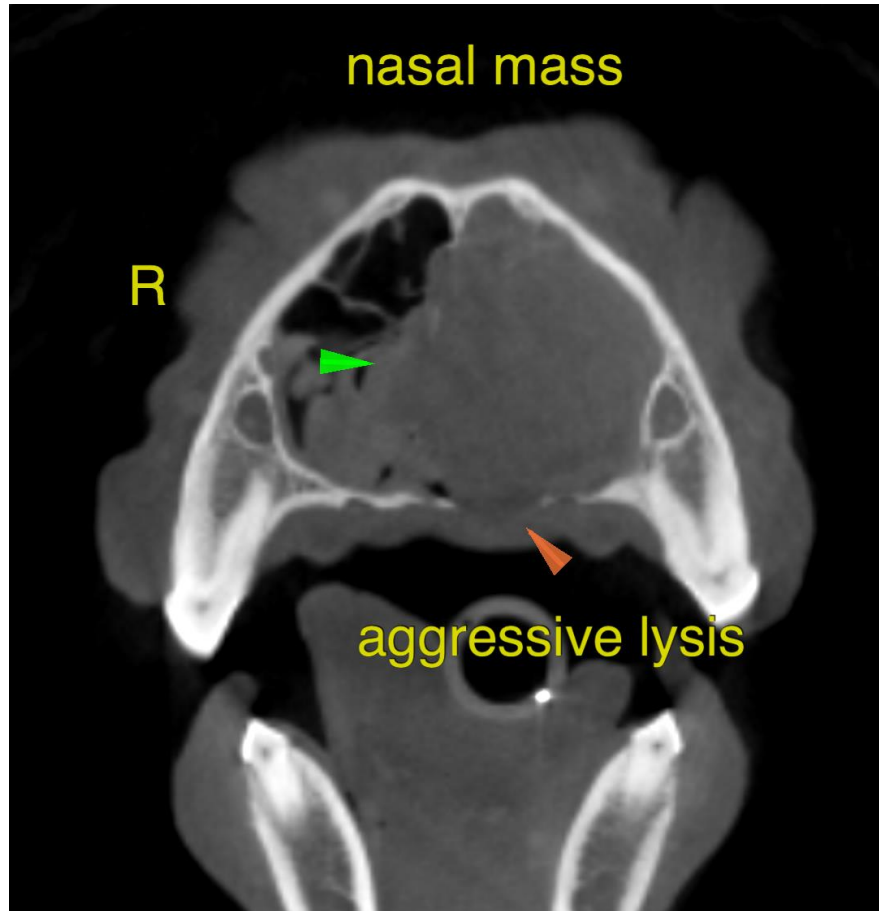
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

REFERRING VET

Meaux

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