



PATIENT

Murphy Lafleche

PRESENTING CLINICAL SIGNS

Coughing on/off since end of May 2023. Jul 12/23 start started bleeding from his right nostril, was making an odd reverse sneezing sound. Had a possible clot coming in/out of his nose causing blood splatter. Enlarged submandibular lymph node. Jul 31 found few blood droplets by water dish. Overnight restless and owners woke up to blood splatter all over wall. Abnormal PE/Chem/CBC/UA Results: X-ray lat/ vd chest- soft tissue opacity in the dorsal mid chest area over and cranial to cardiac silhouette, also soft tissue opacity in the cranio-ventral lung field. Some interstitial pattern visible in caudo-dorsal lung field. CBC- mild anemia (low normal RBC, HCT, Hgb) Elevated TP and globulin. Collected urine sample for Blastomycosis testing- negative

SPECIES

Canine

BREED

Husky X

COMPUTED TOMOGRAPHIC STUDY OF THE HEAD & THORAX

Plain and post contrast studies available for review.

SEX

MN

COMPUTED TOMOGRAPHIC FINDINGS

Head

The brain presents no deviation from normal anatomy and symmetry. The grey and white matter distinction and the neuroparenchymal attenuation are as expected. The distribution of contrast enhancement is within normal limits throughout the parenchyma and meninges. The ventricular system is non-dilated and within the limits of the expected volume and symmetry.

AGE

2 Years

INTERPRETED BY

Nele Eley, DVM
Dr. med. Vet. DipECVDI

The nasal turbinates and conchae present within normal limits. The osseous lining of the nasal cavities is intact. There is no significant mucosal swelling, no turbinate destruction, no foreign material, no stenosis, and no soft tissue mass noted. A minimal amount of fluid attenuating material is adhering to the nasal turbinates in the mid third of the right nasal cavity. The frontal sinuses present within normal limits.

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Both temporomandibular joints present congruent joint spaces with even subchondral bone surfaces and are considered within normal limits.

Both tympanic bullae are aerated, the mucosal lining is not seen, the bony wall is smooth and thin. The external auditory meatuses present within normal limits.

REFERRING VET

Dr. N. Brar

Moderate bilateral submandibular lymphadenomegaly with cavitation is seen. See image below. The retropharyngeal lymph nodes present within normal limits.

The salivary glands present within normal limits.

The visible dentition is within normal limits.

INVOICE

59630

Thorax

The bony and surrounding soft tissue structures are within normal limits.

DATE

8-2-23

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.



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

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.

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The lung parenchyma presents the expected architecture and attenuation behavior.

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

BREED

Husky X

COMPUTED TOMOGRAPHIC DIAGNOSIS

SEX

MN

- Normal CT presentation of the nasal cavities with no evidence of destructive rhinitis, foreign material, or a soft tissue mass.
- Moderate cavitating bilateral submandibular lymphadenomegaly.
- Normal thorax.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

2 Years

The CT presentation of the nasal cavities is largely within normal limits except for a minimal amount of fluid accumulation. Acute nondestructive rhinitis cannot be ruled out and may represent either inflammatory such as lymphoplasmacytic, allergic, or infectious such as viral and bacterial. No typical changes associated with fungal rhinitis are seen. There is no evidence of a soft tissue mass and no foreign material. Systemic hypertension and coagulopathy should be ruled out as potential underlying causes of the nasal hemorrhage as well. Paraneoplastic syndrome can cause nasal hemorrhage in absence of structural changes as well especially with hemangiosarcoma. However, this dog is very young and this may not be a likely potential here.

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Note the presence of moderate bilateral submandibular lymphadenomegaly which is likely to represent lymphadenitis. A neoplastic infiltrate such as lymphomatous or other cannot be ruled out. FNA could be considered for further definition. The possibility of systemic disease / systemic infection should be considered.

The lung and bronchial tree present no structural changes at this time. However, structural changes may lag behind the clinical course of the disease in both radiographs and CT.

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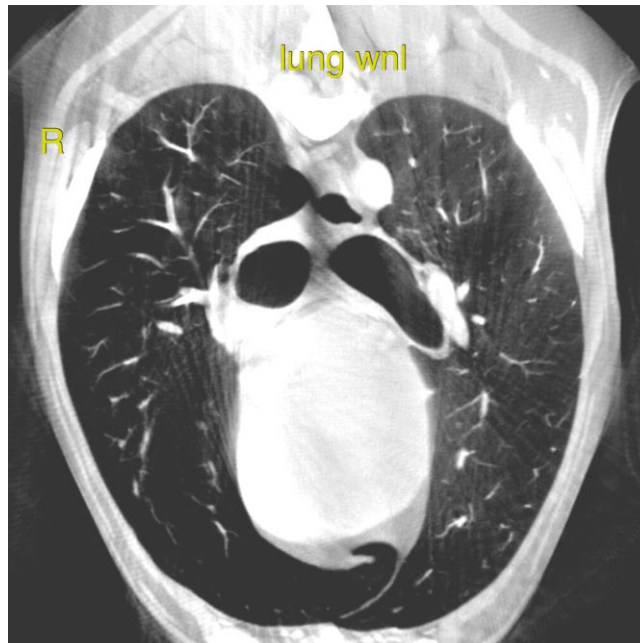
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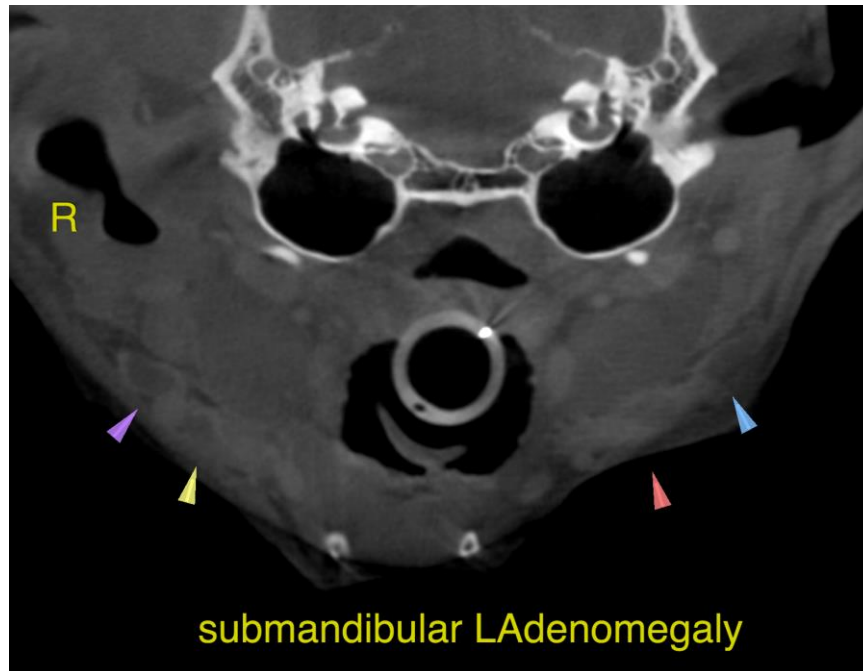
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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