


PATIENT PRESENTING CLINICAL SIGNS

Luna Edgar thoracic masses - rule out neoplasia eg histiocytic sarcoma, primary pulmonary neoplasia; infectious eg fungal, parasitic, other -hx atopic dermatitis -hx suspected food allergies -hypothyroid

SPECIES COMPUTED TOMOGRAPHIC STUDY OF THE HEAD, THORAX & ABDOMEN

Canine Plain and post-contrast studies in soft tissue, bone, and lung windows available for review.

COMPUTED TOMOGRAPHIC FINDINGS
BREED Thorax

Bernese X The tracheobronchial lymph nodes are severely enlarged and measure up to 7.0 cm in diameter. The cranial mediastinal and sternal lymph nodes present within normal limits. Non-uniform contrast enhancement is noted within the severely enlarged tracheobronchial nodes on the post-contrast study.

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

Spayed Female 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.

AGE The right middle lung lobe is occupied by a lobar soft tissue dense mass. The mass effect causes caudal deviation of the right caudal lung lobe. Heterogeneous enhancement is seen within the mass on the post-contrast study.

7 Years

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

INTERPRETED BY

Nele Eley (Ondreka),
 DVM Dr. med. vet.,
 DipECVDD

Abdomen

The serosal fat presents normal attenuation behavior. There is no evidence of peritoneal effusion or peritonitis.

HOSPITAL NAME

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration a bilaterally symmetric and uniform nephro- and pyelogram is noted.

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The adrenal glands are within normal limits for size, shape and organ architecture.

The spleen presents with normal shape, even surface, uniformly attenuating parenchyma and homogeneous contrast enhancement, unremarkable.

REFERRING VET

Dr. Shannon
 Westgarth

Small, faintly hypodense and hypoenhancing nodules are seen in the central and left division of the liver on the early post-contrast study. These nodules are not seen on the plain and delayed post-contrast studies.

INVOICE

The pancreas is evenly contoured, the pancreatic parenchyma is homogeneous and presents uniform contrast enhancement.

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The position, delineation, wall and content of the gastrointestinal tract are considered within normal limits throughout.

DATE

12/5/22


PATIENT Head

Luna Edgar

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.

SPECIES

Canine

Thin and smoothly folded conchae and turbinates with even smooth mucosal lining. The osseous lining of the nasal cavities is intact.

BREED

Bernese X

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

SEX

Spayed Female

The submandibular and medial retropharyngeal lymph nodes are small and elongated with a normal short-to-long-axis-ratio is < 0.5, the attenuation and contrast enhancement pattern is uniform.

The salivary glands present within normal limits.

AGE

7 Years

The visible dentition within normal limits.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Lobar mass of the right medial lung lobe meeting neoplastic criteria
- Multiple severe tracheobronchial lymphadenomegaly meeting neoplastic criteria
- Hepatic nodules

INTERPRETED BY

 Nele Eley (Ondreka),
 DVM Dr. med. vet.,
 DipECVDI

INTERPRETATION OF FINDINGS & FURTHER RECOMMENDATIONS

The CT study reveals a single lobar mass of the right middle lung lobe as well as multiple severe tracheobronchial lymphadenomegaly meeting neoplastic criteria. Histiocytic sarcoma is a primary differential diagnosis based on the distribution of the changes and combination of the findings as well as the patient's demographics. Other round cell neoplasia, primary pulmonary neoplasia with metastatic disease, metastatic disease of another undetermined primary tumor, and granulomatous disease cannot be ruled out entirely but are thought highly unlikely in this case. Ultrasound guided fine needle aspiration of the right middle lung lobe using a parasternal intercostal approach could be considered for further verification, and should a final diagnosis be desired.

HOSPITAL NAME

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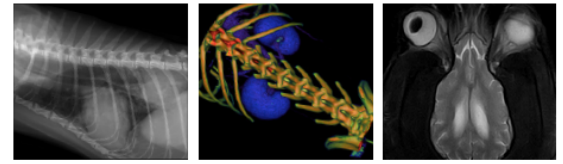
The small, faintly hypoenhancing liver nodules may represent multiple neoplastic infiltrates, nodular hyperplasia, regenerative nodules. Further definition by means of ultrasound with eventual fine needle aspiration could be considered. Fine needle aspiration of both the liver and spleen is recommended in patients with suspect histiocytic sarcoma, regardless of the organ appearance, since the histiocytic infiltrate may be occult on both ultrasound and CT.

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PATIENT

Luna Edgar

SPECIES

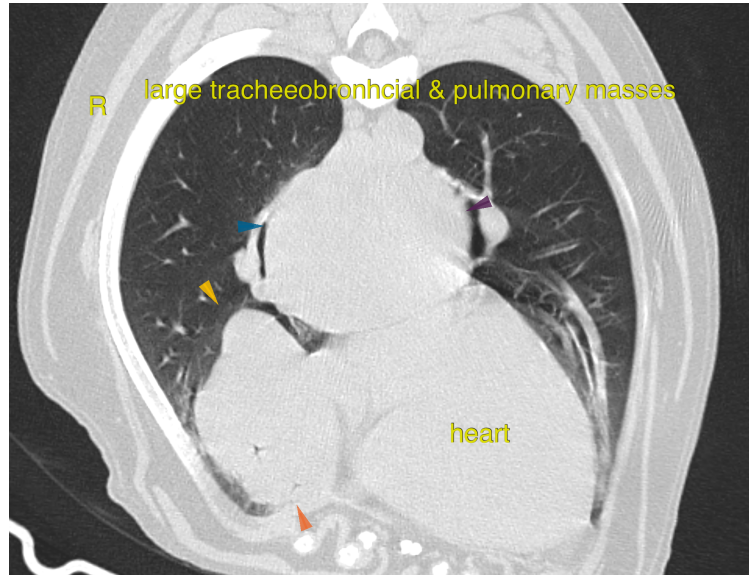
Canine

BREED

Bernese X

SEX

Spayed Female



AGE

7 Years

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.

INTERPRETED BY

Nele Eley (Ondreka),
DVM Dr. med. vet.,
DipECVDI

Nele Eley (Ondreka), 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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Animal Health
Partners

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Westgarth

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