



PATIENT PRESENTING CLINICAL SIGNS

Sadie Lundsten Patient has been lethargic and has had some exercise intolerance. rDVM did radiographs concern for pleural effusion and/or lung torsion on radiographs, possible splenic mass. Recommended CT

SPECIES COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

Canine A high resolution post-contrast CT study of the abdomen and a plain CT study of the thorax are provided for review.

BREED COMPUTED TOMOGRAPHIC FINDINGS

Shetland Sheepdog Thorax

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

SEX
FS A moderate amount of soft tissue attenuating gravity dependent, soft tissue material is visible in the ventral aspect of the thoracic cavity. The lung lobes – but the right cranial lung lobe – are retracted from the thoracic wall and present a moderately decreased volume with regions of dystelectasis – complete atelectasis of the right middle lung lobe is present.

AGE
10 The right cranial lung lobe is consolidated, and the volume is mild to moderately increased. The parenchyma of the right cranial lung lobe presents a vesicular lung pattern and major parts of the bronchial tree are occupied by soft tissue material. The proximal segment of the first degree bronchus of the right cranial lung lobe is aerated and tapers in the hilar region presenting an obliterated short segment.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

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

HOSPITAL NAME Abdomen

Wilvet Salem The ventral aspects of the abdomen are cropped by the field of view.

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

Dr. Dan Lewer, DVM 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.

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

48261 The cranial extremity of the spleen presents within normal limits for size, shape, attenuation and contrast enhancement pattern.

DATE
11-6-21 In the cranioventral abdomen, parts of the soft tissue mass are protruding into the field of view, that appears to be continuous with the caudoventral margins of the liver. The potential cranioventral abdominal mass presents a mild heterogeneous contrast enhancement pattern and is measuring approximately 7.6 x 3.6 x 7.4 cm in size.



PATIENT

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

Sadie Lundsten

The bony and surrounding soft tissue structures reveal no abnormalities.

SPECIES

Canine

COMPUTED TOMOGRAPHIC DIAGNOSIS

- Lung lobe torsion right cranial lung lobe
- Moderate pleural effusion
- Suspect hepatic soft tissue mass

BREED

Shetland Sheepdog

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The CT study is compatible with lung lobe torsion of the right cranial lung lobe and pleural effusion. In the plain CT study no additional abnormalities can be appreciated as source for the pleural effusion and primary lung lobe torsion with secondary pleural effusion is considered likely. However, if not done so yet, recommend tapping the pleural effusion to screen for any malignant cell, chylothorax, hemorrhage, pyothorax, other. Lobectomy of the right cranial lung lobe is indicated.

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Unfortunately, in the study of the abdomen, the ventral aspects of the abdomen are cropped by the field of view limiting the diagnostic value. I suggest the cranioventral abdominal mass is originating from the caudoventral aspects of the liver – e.g. hepatocellular adenoma/carcinoma, regeneration nodule – rather than the spleen. Repeating the CT study including the ventral parts of the abdomen, or an ultrasound examination can be performed for further specification. Based on the current images, complete surgical excision appears feasible.

HOSPITAL NAME

Wilvet Salem

REFERRING VET

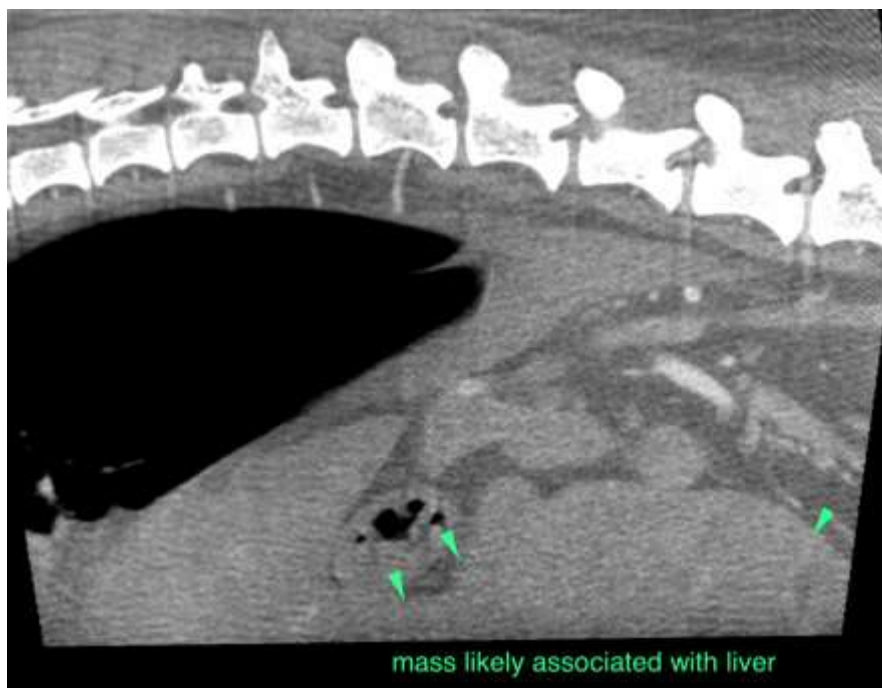
Dr. Dan Lewer, DVM

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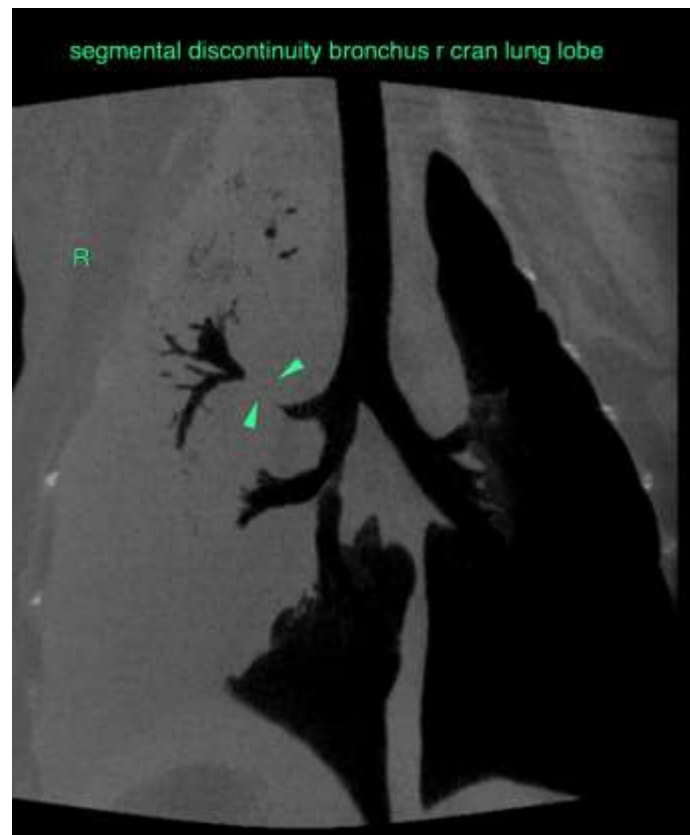
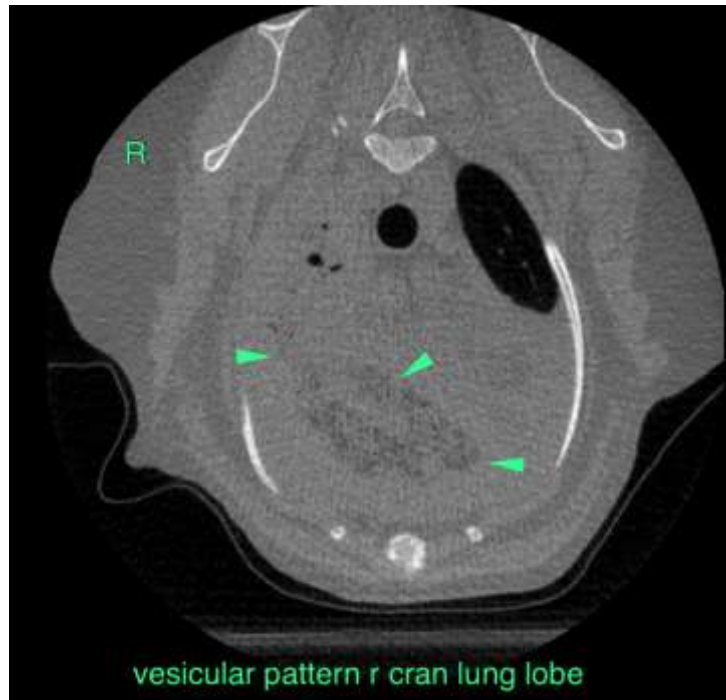
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SPECIES

Canine

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.

BREED

Shetland Sheepdog

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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