



PATIENT

Aly Cummings

PRESENTING CLINICAL SIGNS

Diagnosed with insulinoma 02/2022. Ultrasound shows nodules in the spleen, liver, and possibly pancreas. Not on any medications, controlled with frequent feeding. Lungs - met check

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

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

BREED

Golden Retriever

COMPUTED TOMOGRAPHIC FINDINGS

Thorax

Multifocal spondylosis formation is seen along the thoracic spine.

SEX

FS

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 is uniform and considered within normal limits.

AGE

9 Years

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.

INTERPRETED BY

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The lung parenchyma presents the expected architecture and attenuation behavior, the right middle and cranial lung lobe present regions of atelectasis of the ventral dependent aspects of the lung.

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

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Abdomen

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

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.

REFERRING VET

Melanie Thompson

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.

INVOICE

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The hepatic volume is moderately increased and the liver is protruding caudally beyond the costal arch, the caudoventral margins are rounded. The hepatic parenchyma is uniform soft tissue attenuating and contrast enhancing.

DATE

10-6-22

The left hepatic lymph node is prominent, rounded and presents increased contrast enhancing. Mild enlargement of the most medial splenic lymph node is appreciated.

Approximately level with the portal vein, a contrast enhancing nodular lesion is protruding from the dorsal surface of the pancreas, measuring 12 mm in diameter.

The position, delineation, wall and content of the gastrointestinal tract are considered within



PATIENT normal limits throughout.

Aly Cummings The bony and surrounding soft tissue structures reveal no abnormalities.

COMPUTED TOMOGRAPHIC DIAGNOSIS

- SPECIES**
- Pancreatic contrast enhancing nodule
 - Lymphadenopathy hepatic lymph node and splenic lymph node
- Canine
- Hepatomegaly
 - Spondylosis deformans
 - No evidence of pulmonary metastatic disease

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The pancreatic nodule is supporting the diagnosis of insulinoma with metastatic spread to a hepatic lymph node and possibly a splenic lymph node.

SEX

FS

No overt abnormalities of the contrast enhancement pattern of the spleen and liver is appreciated and given the ultrasound findings, nodular hyperplasia & hepatitis should be considered as differentials. Anyway, recommend FNA sampling to screen for metastatic disease to the parenchymal organs.

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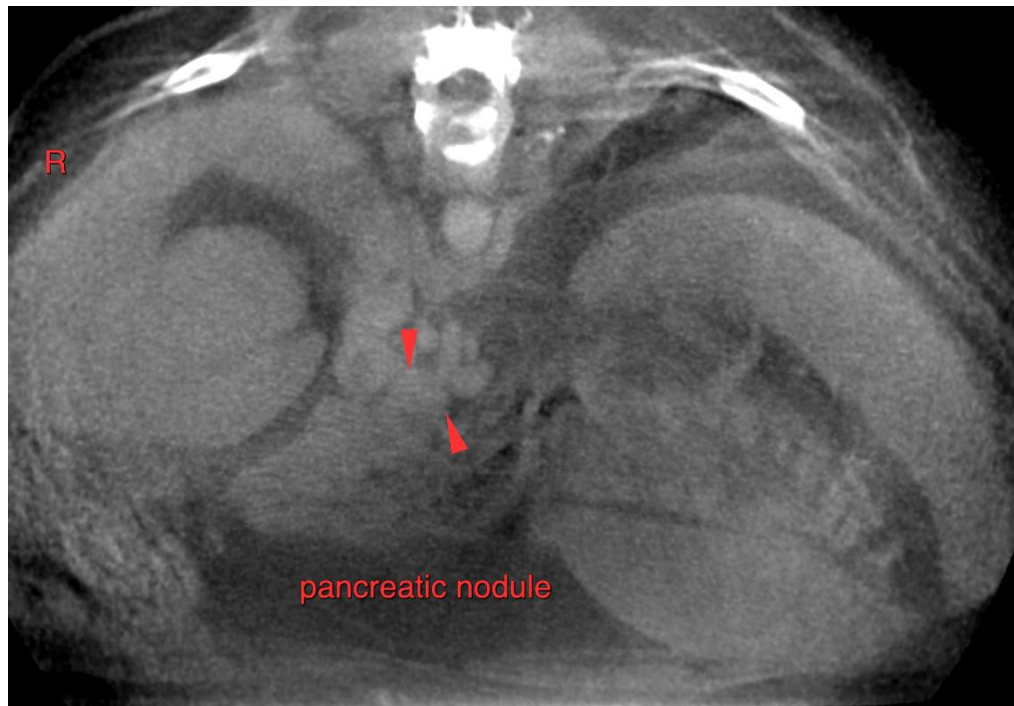
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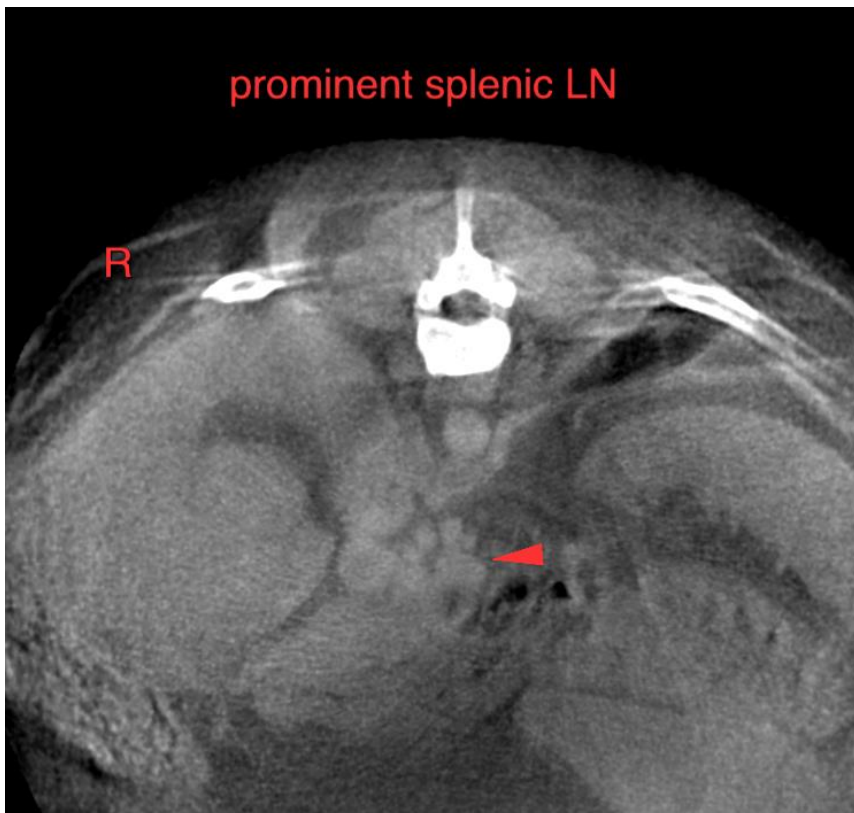
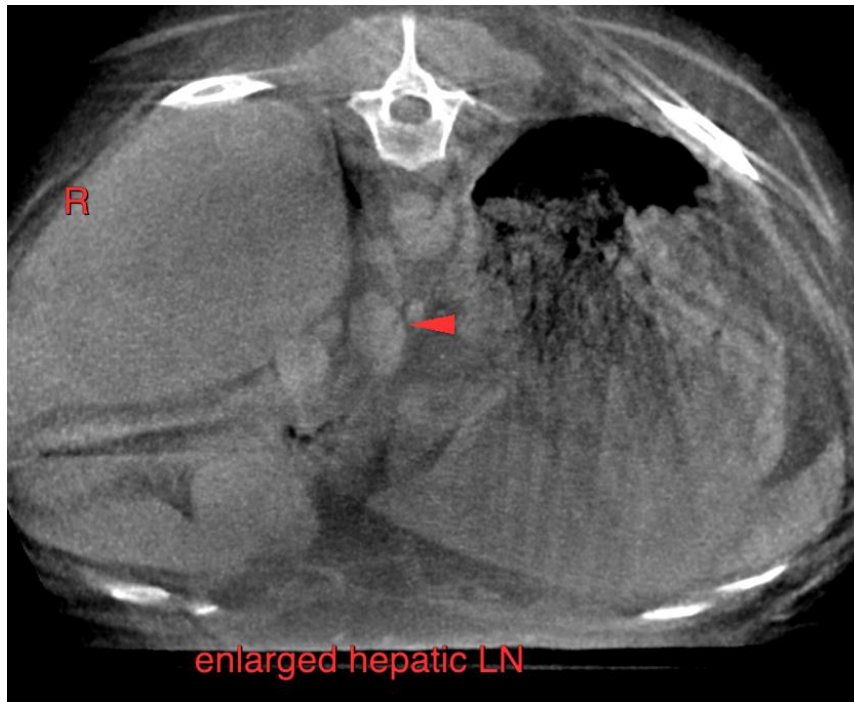
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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.

Sebastian Schaub, Sebastian Schaub, DVM, Dr. med. vet. DipECVDI
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