



PATIENT PRESENTING CLINICAL SIGNS

Heidi Stoddard At first IM consult in November, we noted a splenic nodule, enlarged adrenals and an enlarged, hyperechoic liver. ELE's noted. LDDS testing WNL so we started melatonin and lignens for atypical cushing's. No improvement to liver values in January. Denamarin recommended but not started until March. Melatonin and lignens were discontinued when Denamarin was started. Follow up labs in April showed no improvement. In March/April, work up for blood in urine included rads which showed a 4cm mass in the right ventral abdomen. Ultrasound on 4/28 indicated a 6cm liver mass.

SPECIES

Canine

COMPUTED TOMOGRAPHY OF THE THORAX AND ABDOMEN

BREED

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

Am Staff

COMPUTED TOMOGRAPHIC FINDINGS

The caudal abdomen is cropped in the post contrast CT study.

SEX

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

FS

Both kidneys present within normal limits for size, shape and organ architecture. After contrast administration in the ventrolateral aspect of the left kidney, a well-defined roundish parenchymal filling defect is seen.

AGE

9 Years

The adrenal glands are within normal limits for shape and organ architecture; the maximum cross-sectional diameter of the adrenal glands is 9.4 mm.

INTERPRETED BY

Protruding from the cranial margin of the caudal extremity of the spleen, a spherical, uniform soft tissue attenuating and heterogeneous contrast enhancing mass is seen measuring 5.3 cm in diameter.

Sebastian Schaub, DVM
Dr. med. vet. DipECVDI

The hepatic volume is moderately increased and the liver is protruding caudally beyond the costal arch, the caudoventral hepatic margins are rounded. Post contrast administration in the left medial liver lobe, a irregular contrast enhancing zone is seen, measuring 7.4 x 7.2 x 7.2 cm.

HOSPITAL NAME

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.

REFERRING VET

Kara Fiore

Multifocal spondylosis formation is seen along the lumbar spine. Multiple intervertebral discs along the thoracolumbar junction and the lumbar spine are bulging into the vertebral canal, occupying approximately up to 15% of the cross-sectional area of the vertebral canal at the same level.

INVOICE

58840

Both coxofemoral joints present moderate osteophyte new bone formation.

Only the caudal aspect of the thorax is included within the field of view, the included aspects present without abnormalities of the lung parenchyma.

COMPUTED TOMOGRAPHIC DIAGNOSIS

DATE

6-14-23

- Splenic soft tissue mass
- Heterogenous contrast enhancing area left medial liver lobe
- Adrenomegaly
- Left sided simple renal cortical cyst
- Multifocal intervertebral disc protrusion along the lumbar spine with possible dynamic



PATIENT Heidi Stoddard

myelocompression

- Degenerative osteoarthritis coxofemoral joints bilaterally
- Spondylosis deformans

SPECIES INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CANINE The splenic mass can present benign splenic nodular hyperplasia or is consistent with neoplastic transformation (e.g. sarcoma, round cell tumor). Independent of the dignity of the splenic mass, splenectomy might be beneficial as benign and malignant masses can rupture and cause abdominal hemorrhage.

BREED Am Staff Potentials for the hepatomegaly include metabolic hepatic disease, hepatitis or diffuse neoplastic infiltration. The heterogeneous contrast enhancing zone of the left medial liver lobe is suggestive for regeneration nodule or hepatocellular adenoma. The most likely differential is hepatocellular carcinoma. In case of doubt, ultrasound guided FNA sampling and/or Tru-cut biopsy can be used as minimally invasive methods for further workup.

SEX FS The adrenomegaly is compatible with (non)functional adrenal hyperplasia.

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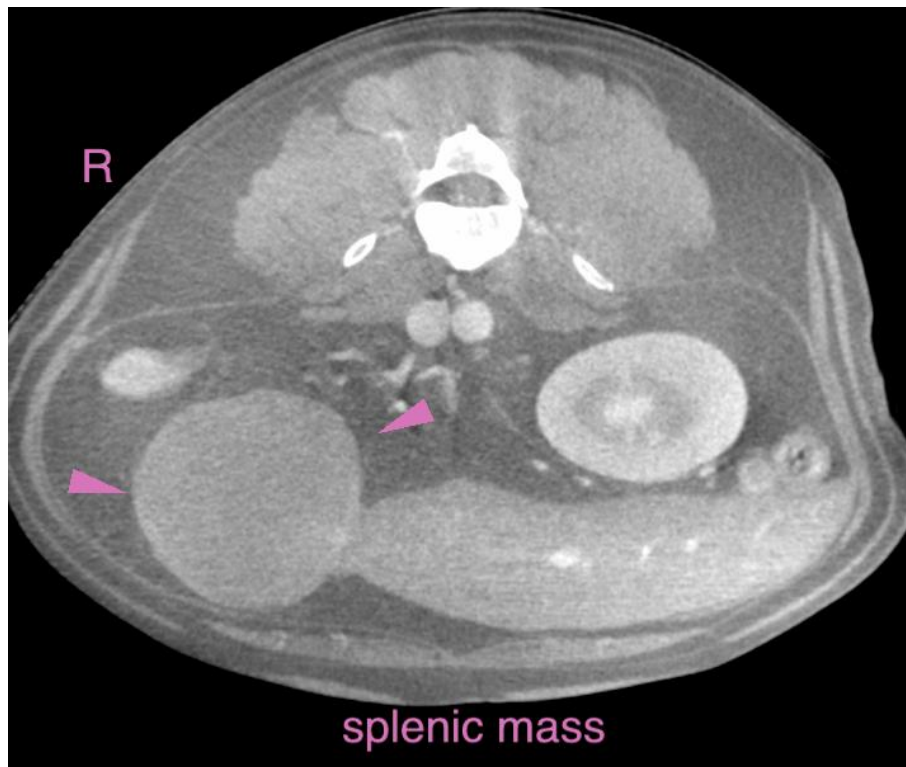
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heterogeneous contrast enhancing hepatic lesion

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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.

HOSPITAL NAME

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Referral Center - NVA

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
info@sonopath.com

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