

PATIENT PRESENTING CLINICAL SIGNS

Spaten Gensburg Ultrasound +-chest xrays (clear) to rule out metastasis from cutaneous hemangiosarcoma.
Abnormal PE/Chem/CBC/UA Results: dex./torb sedation

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

SEX Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 7.7 cm in length. The right kidney measured 7.5 cm in length.

7 years **Adrenal Glands**

WEIGHT The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.56 cm width at the caudal pole and 0.56 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.78 cm width at the caudal pole and 1.0 cm width at the cranial pole.

INTERPRETED BY

R. McKenzie Daniel, DVM,
DABVP (Canine and Feline)

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

Spleen

The spleen was normal in size and contour with primarily maintained finely textured homogeneous parenchyma. Intermittent, subtle, nondisruptive, hypoechoic nodules were present in the spleen. An example measured 0.78 cm. The nodules did not distort the splenic capsule which maintained normal symmetrical contour. Normal splenic vascularity was noted. No splenic masses were present.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

Donner Truckee Vh

REFERRING VET

Dr. Vannini

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

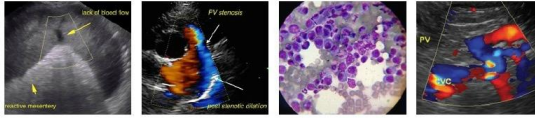
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14017 The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material.

DATE

6/3/22

Normal visible colon wall layers were present with apparent formed feces in lumen.



PATIENT *Pancreas*

Spaten Gensburg The parenchyma of the left limb, body, and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease were evident.

SPECIES

Canine

Free Abdomen

Focal to intermittent mesenteric and medial iliac lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a medial iliac lymph node measured 2.5 cm x 0.6 cm. An example of a mesenteric lymph node measured 3.5 cm x 0.62 cm. These lymph nodes were not consistent with Inflammatory or neoplastic lymphatic criteria.

BREED

Boxer

SEX

No omental masses, lymphadenopathy, or peritoneal free fluid was noted.

MN

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

AGE

7 years

ULTRASONOGRAPHIC FINDINGS

- Normal splenic size / contour with intermittent subtle hypoechoic nondisruptive nodules
- Intermittent benign likely incidental mesenteric and medial iliac lymph nodes

WEIGHT

88 lbs.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of Intraabdominal metastasis from cutaneous hemangiosarcoma.

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DABVP (Canine and Feline)

The subtle to nondisruptive splenic nodules may include many etiologies including areas of subtle hyperplasia, hematopoiesis, incidental splenitis, and small granuloma / hematoma, with neoplastic criteria thought unlikely. However, the possibility of emerging primary vs. metastatic neoplastic nodules cannot be definitively excluded. Sonographic monitoring of the spleen, given the patient history, with initial recheck in 4-6 weeks is recommended. Further assessment could also include, assuming normal clotting status, splenic FNA for screening cytology primarily to ensure only benign changes are present.

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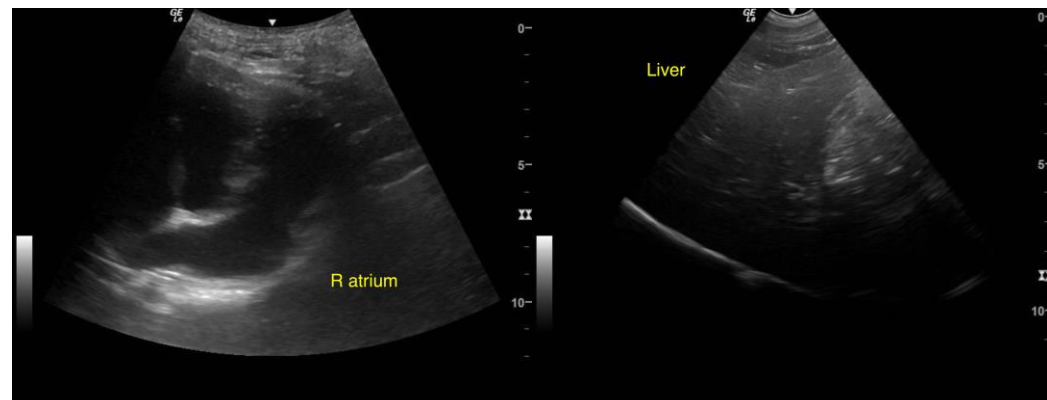
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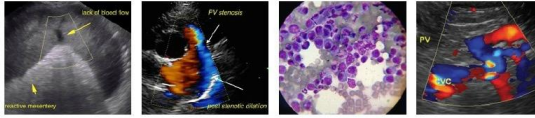
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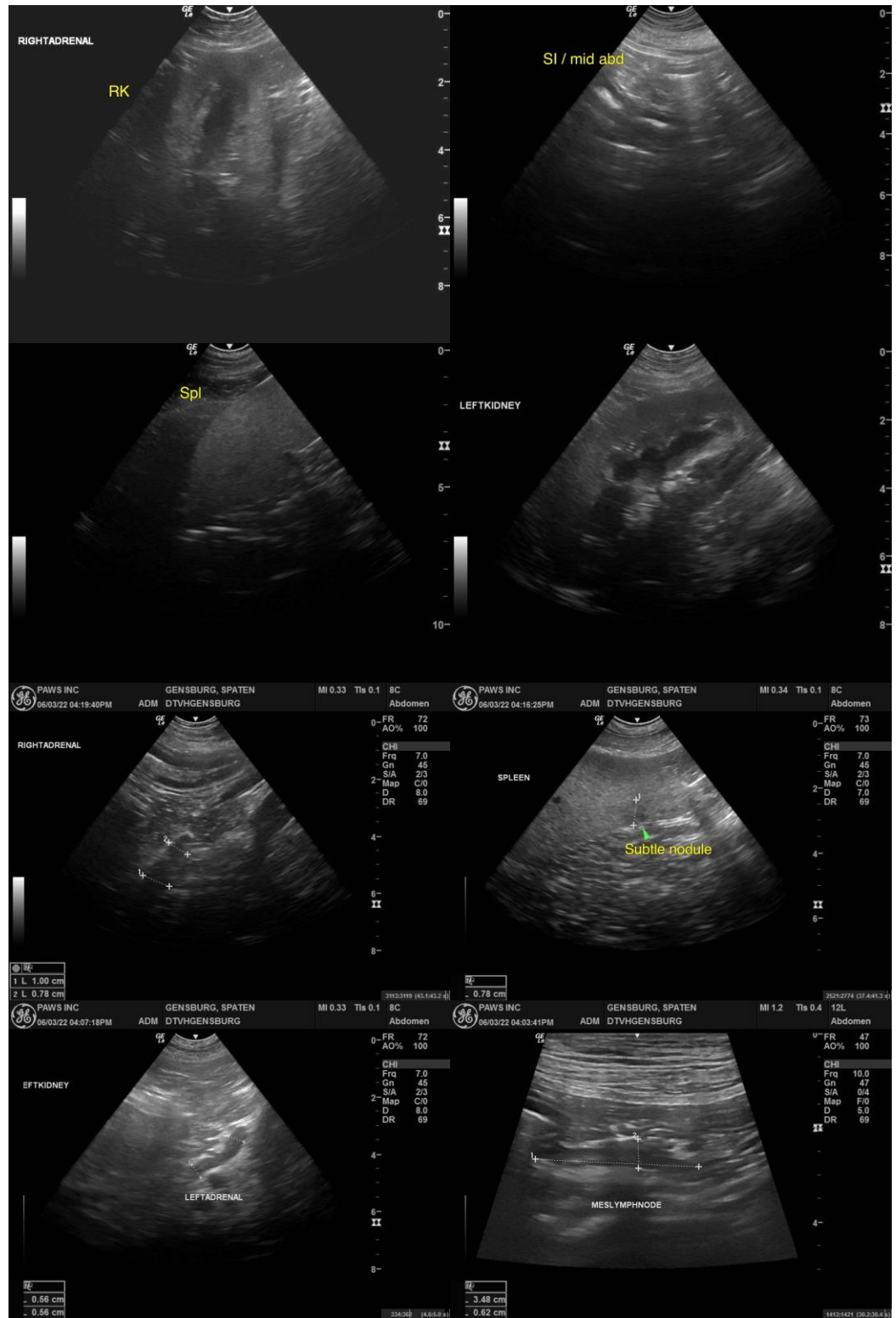
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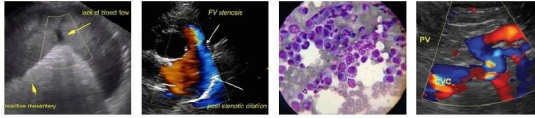
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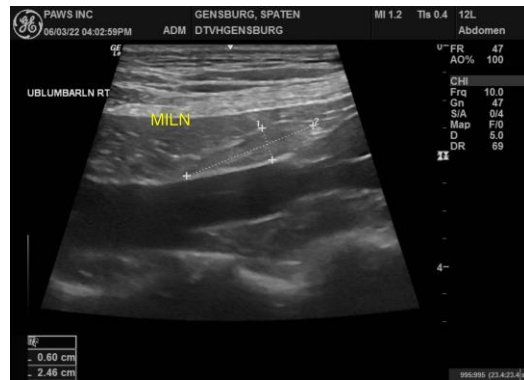
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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