

PATIENT PRESENTING CLINICAL SIGNS

Loki Laubscher History: Elevated liver values. Medication: Dasuquin, Denamarin
 Labs: ALP 1608, ALT 98, GGT 4, T.bili 0.4

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED

Lab Mix

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 cm 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 were noted.

SEX

Neutered Male

The area of the residual prostate appeared normal and free of pathology.
 The area of the aortic trifurcation was free of pathology.

AGE

2013

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.9 cm in length. The right kidney measured 8.2 cm in length. A cranial cyst was noted in the right kidney, containing anechoic fluid, measuring 3.0 cm in diameter.

WEIGHT

91.2

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 3.6 cm length x 0.78 cm width at the caudal pole.

INTERPRETED BY

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

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.0 cm length x 0.55 cm width at the caudal pole.

No adrenomegaly or tumors noted in the adrenal glands.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

Spleen

The spleen was normal in size and contour with subtle generalized parenchyma heterogeneity, likely suggestive of minor age-related splenic changes, possible minor hyperplasia, hematopoiesis or similar. No evidence of splenic neoplastic criteria. Splenic vascularity was normal. No masses were noted.

HOSPITAL NAME

The Village Verinarian

Liver

The liver exhibited subjective mild enlargement. The parenchyma of the liver was normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a moderately coarse echotexture. Subjective minor parenchymal remodeling was noted. The hepatic and portal vasculature were normal in appearance without signs of congestion. No masses were noted.

REFERRING VET

Dr. Longnecker

The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

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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.



PATIENT

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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.

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

SPECIES

Canine

Pancreas

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 was evident.

BREED

Lab Mix

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy, exhibiting mild nonhomogenous parenchyma- subjectively benign, suggestive of vacuolar hepatopathy pattern
- Normal gallbladder
- Subtle heterogenous spleen- benign
- Mild age-related kidneys with cranial right kidney cyst
- Normal bilateral adrenal glands

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status, screening hepatic FNA cytology could be considered, primarily to assess for evidence of inflammatory criteria or antigenic stimulation. The addition of Ursodiol to current Denamarin, given the possibility of nonobstructive cholestasis, may prove beneficial. Novel protein or hydrolyzed diet trial with continued monitoring of ALP levels, especially if evidence of hepatic antigenic stimulation on screening cytology, could be considered. No evidence of adrenal pathology or intraabdominal neoplastic criteria.

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Loki Laubscher

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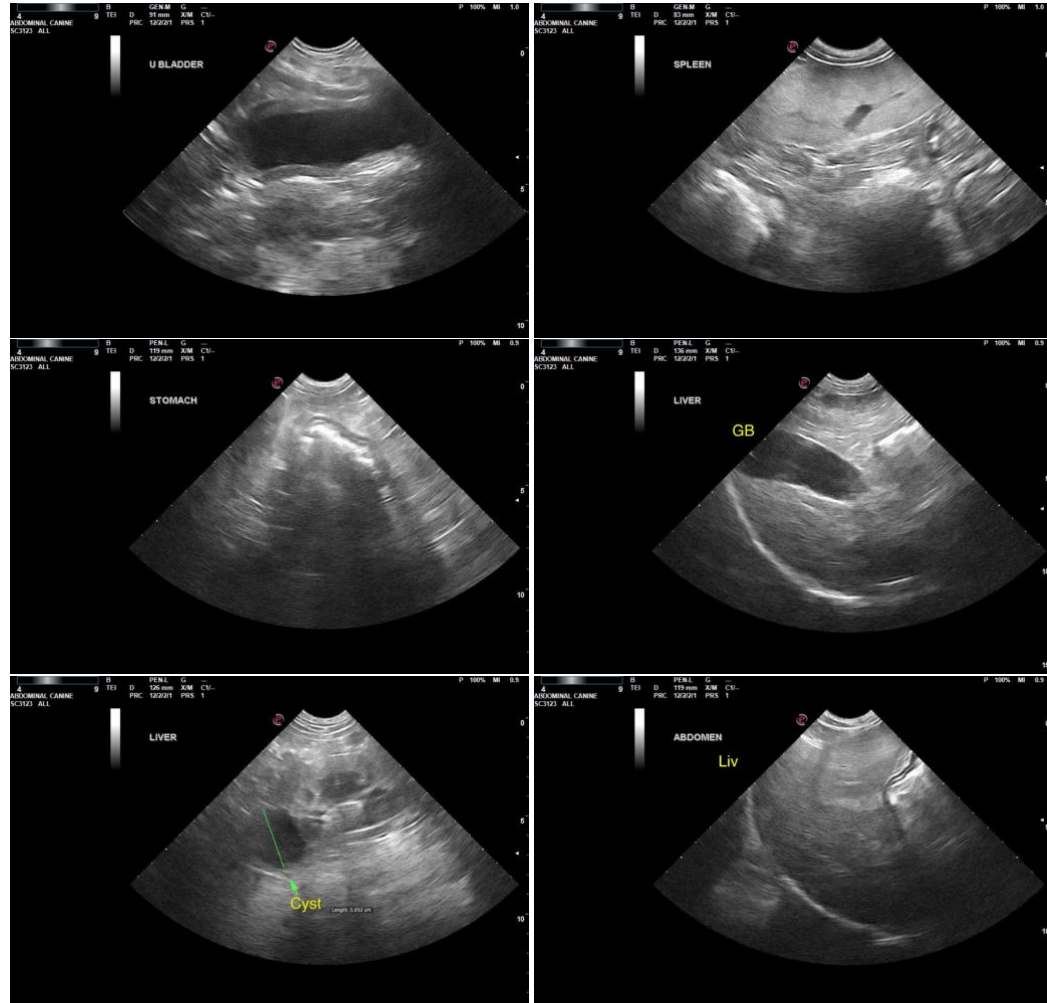
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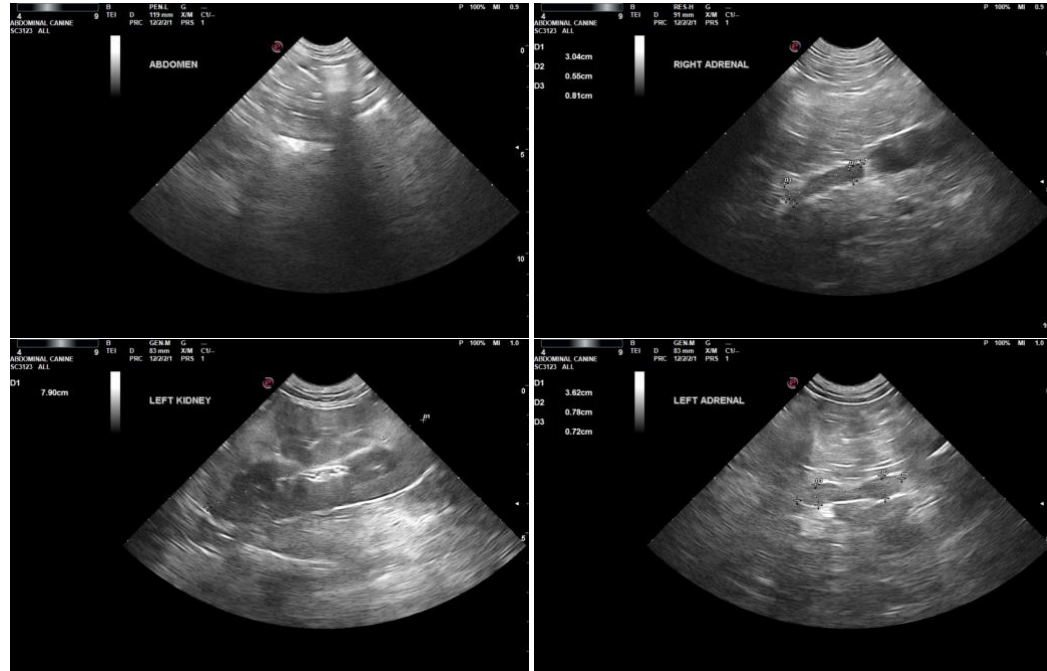
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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