



PATIENT PRESENTING CLINICAL SIGNS

Kiko Bohlsen Pre op for neuter, elevated ALT Denamarin
 ALT 210

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, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

Chihuahua Mix

SEX Both the left and right testicles were sonographically normal.

M The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechogenic without parenchymal mineralization. The prostate measured 2.9 cm x 2.0 cm.

AGE 2019 The area of the aortic trifurcation was free of pathology.

WEIGHT 8 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 3.3 cm in length. The right kidney measured 3.4 cm in length.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.33 cm width at the caudal pole and 0.32 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 0.38 cm width at the caudal pole and 0.53 cm width at the cranial pole.

IMAGING PERFORMED BY
 Rebekah Jakum, CVT
 ARDMS/RVT

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Lehigh Valley AH
 (Allen)

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

REFERRING VET

Dr. Meyer

INVOICE Liver/ Gallbladder

13993

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. Normal hepatic volume was noted. No overt evidence of a portosystemic shunt was noted. The gallbladder was non-distended in size with very

DATE
 6/2/22



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minor luminal debris. No evidence of gallbladder or peripheral gallbladder inflammation was noted. The cystic and common bile ducts were normal.

Gastrointestinal

SPECIES

Canine

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.

BREED

Chihuahua Mix

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.

Pancreas

SEX

M

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.

AGE

2019

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

8

ULTRASONOGRAPHIC FINDINGS

- Mild benign prostatic hyperplasia
- Low-grade hepatopathy
- Minor gallbladder debris - incidental

INTERPRETED BY

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DVM, DABVP
(Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall liver was nonspecific yet consistent with benign hepatopathy. No overt evidence of significant structural hepatic pathology was noted. Primary suspicion for low-grade nonspecific inflammatory hepatopathy, given the mildly elevated ALT. No overt evidence of a portosystemic shunt was noted, although aside from potential low-grade inflammatory hepatopathy, portal vein hypoplasia/microvascular dysplasia could be possible. Hepatic functionality is likely normal given the normal glucose, albumin, BUN, and mildly elevated cholesterol levels.

IMAGING

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Fasting and post prandial bile acids could be considered for further assessment of hepatic functionality. No overt anesthetic contraindications. Continued hepatosupportive medications with the potential addition of Ursodiol due to its antioxidant and Immunomodulatory effects within the liver would be reasonable.

REFERRING VET

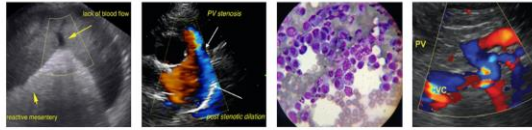
Dr. Meyer

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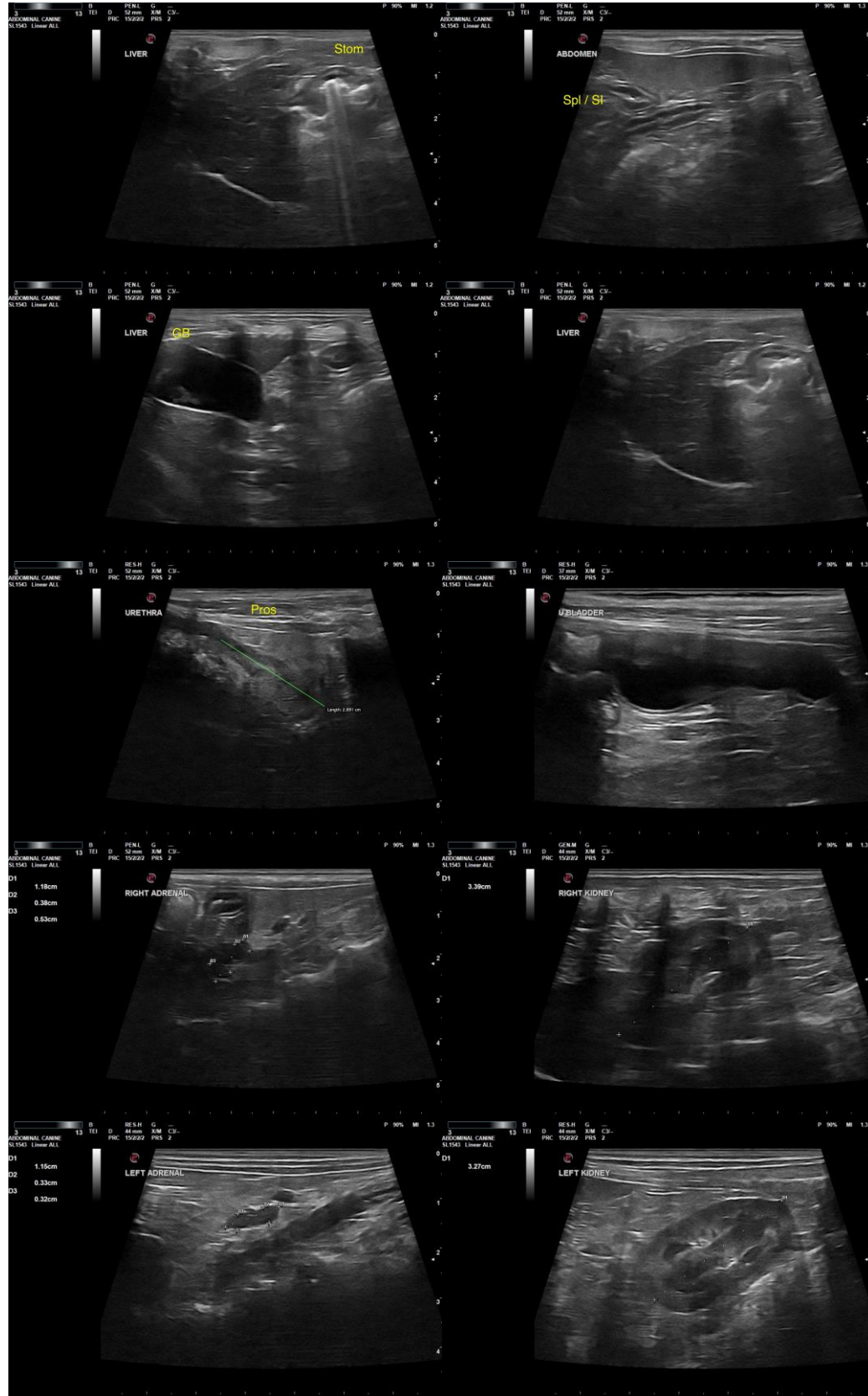
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Chihuahua Mix

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SEX

M

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