



PATIENT

Taz Lesourd

PRESENTING CLINICAL SIGNS

History: Elevated ALT, AST, ALP. Normal values in Nov 2021. Pre dental.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

BREED

Labrador Retriever

Normal size and margination was 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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Bilateral areas of pinpoint medullary mineral were present. The left kidney measured 7.5 cm in length. The right kidney measured 7.7 cm in length.

SEX

MN

AGE

11yr

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 - cm in length. The right kidney measured - cm in length.

WEIGHT

33.3kg

The area of the aortic trifurcation was free of pathology.

No overt pathology in the area of the residual prostate.

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 0.58 cm width at the caudal pole and 0.6 cm width at the cranial pole. No overt pathology in the area of the right adrenal gland.

IMAGING PERFORMED BY

Dave Stasiuk

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

HOSPITAL NAME

Resolution Veterinary
Ultrasound

REFERRING VET

Britannia-Kingsland
Veterinary Clinic

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

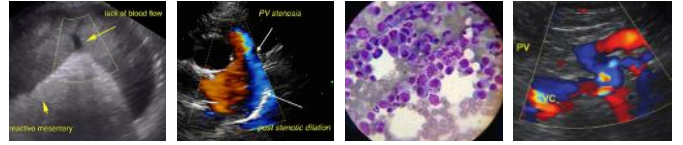
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The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion.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

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07/12/2022



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Gastrointestinal

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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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Canine

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.

BREED

Pancreas

Labrador Retriever

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.

SEX

MN

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

11yr

ULTRASONOGRAPHIC FINDINGS

WEIGHT

33.3kg

- Hepatopathy exhibiting non-homogeneous parenchyma-consistent with chronic hepatopathy, subjectively benign
- Mild congealed gallbladder debris (non-mucocele)
- Bilateral chronic renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

The overall appearance of the liver was nonspecific yet suggestive of chronic benign hepatopathy. Considerations may include vacuolar hepatopathy, chronic inflammatory immune mediated disease given the ALT/AST elevation, areas of nodular hyperplasia, hematopoiesis or other hepatopathy with neoplasia considered a less likely differential diagnosis. Assuming normal clotting status a hepatic FNA for screening cytology could be considered. Leptospirosis titer/PCR could be considered if endemic to the area. Hepatosupportive medications including Denamarin and Ursodiol are warranted. No overt anesthetic contraindications assuming normal ALB, GLU, CHOL and BUN which indicate normal hepatic functionality.

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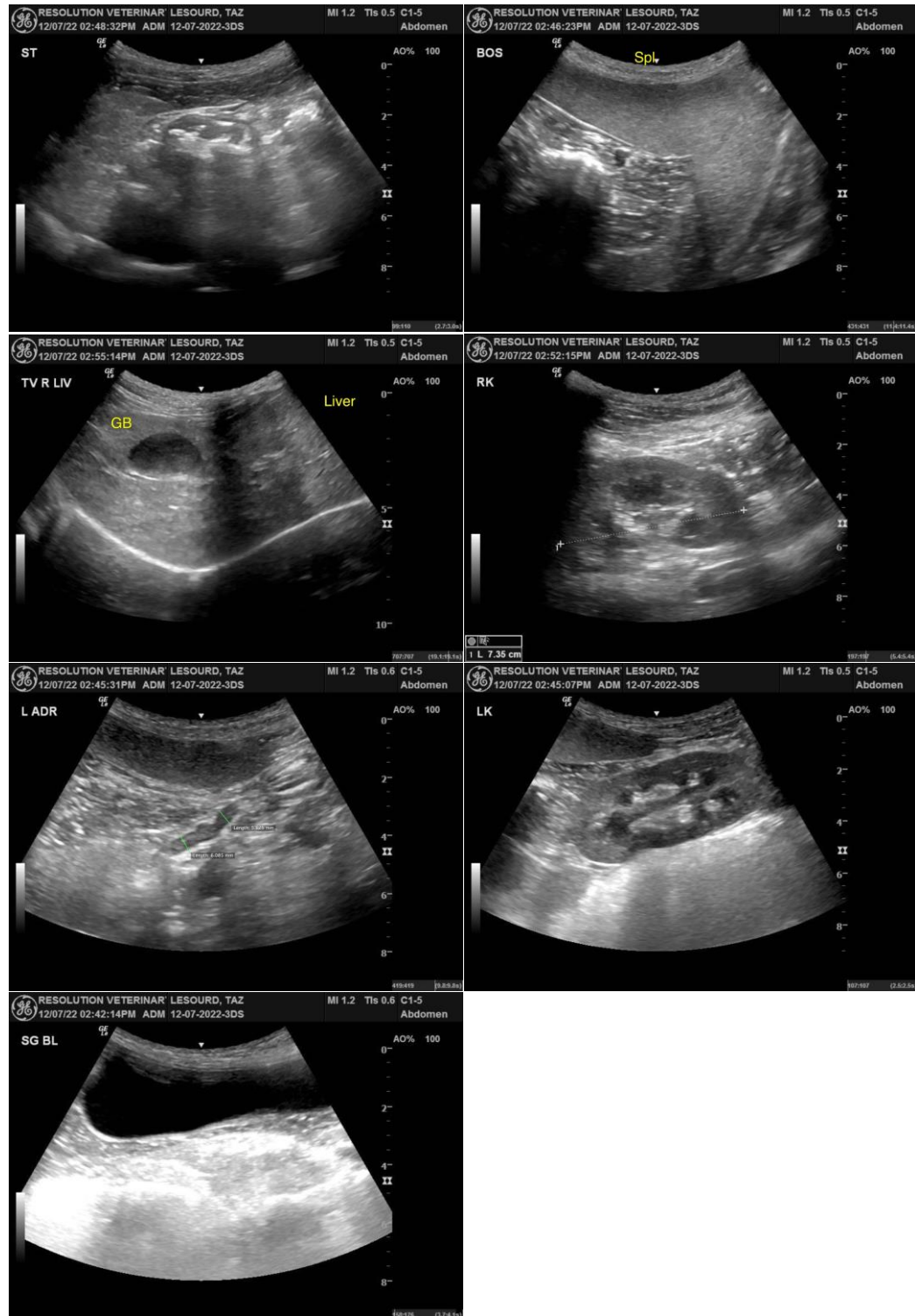
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

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R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

info@SonoPath.com

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