



PATIENT PRESENTING CLINICAL SIGNS

Betts Pacheco Elevated ALT 377. On Denamarin Advanced. Doing well clinically.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

Canine

The urinary bladder was normal in size and tone. The 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 mild dependent to non-dependent particulate sediment and pinpoint to focal areas of micromineral. No overt urinary bladder pathology present i.e., cystitis criteria or tumors.

BREED

Bernese Mtn Dog

Normal size and margination was present in the left kidney. 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.

SEX

FS

The right kidney was subnormal in size compared to the left exhibiting minor capsule asymmetry. Indistinct corticomedullary border distinction with mild to moderate irregular pyelectasia. No evidence of right ureter dilation.

AGE

4yr

The left kidney measured 8.0 cm in length. The right kidney measured 4.9 cm in length.

WEIGHT

97.3lb

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.62 cm width at the caudal pole and 0.60 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 0.59 cm width at the caudal pole and 0.62 cm width at the cranial pole.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

Liver/Gallbladder

The liver exhibited normal to mildly subnormal size, symmetrical capsule contour and mild generalized non-uniform parenchyma. Normal to possible mild reduced parenchymal echogenicity was present. Indistinct portal vascular borders were present. Subjective adequate vascular volume. 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

Falmouth Animal Hospital

REFERRING VET

Lilan Hauser, DVM

INVOICE Gastrointestinal

13657ag

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.

DATE

05/01/2023

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.



PATIENT

Pancreas

Betts Pacheco

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.

SPECIES

Canine

Free Abdomen

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED

Bernese Mtn Dog

ULTRASONOGRAPHIC FINDINGS

SEX

FS

- Mild hepatopathy exhibiting possible borderline to mild subnormal hepatic size, subjective adequate vascular volume.
- Sonographically unremarkable gallbladder.
- Normal left kidney.
- Right kidney dysplasia pattern with mild to moderate pyelectasia.
- Non-distended urinary bladder with mild dependent/non-dependent sediment/micromineral.

AGE

4yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Possible mild inflammatory hepatopathy without overt evidence of intrahepatic or extrahepatic macroscopic shunt which is thought less likely given lack of clinical signs. Pre and post prandial bile acids warranted for further assessment of hepatic function.

WEIGHT

97.3lb

Assuming normal clotting status, a hepatic FNA for screening cytology could be considered for further assessment and potential identification of inflammatory cell type if present. A full thickness/surgical biopsy is required for a definitive diagnosis.

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

A full urinary workup including UA, C/S and baseline UPC level if evidence of proteinuria is suggested.

Empirically, continued hepatosupportive medications and monitoring of ALT given the patient is non-clinical would be reasonable.

IMAGING PERFORMED BY

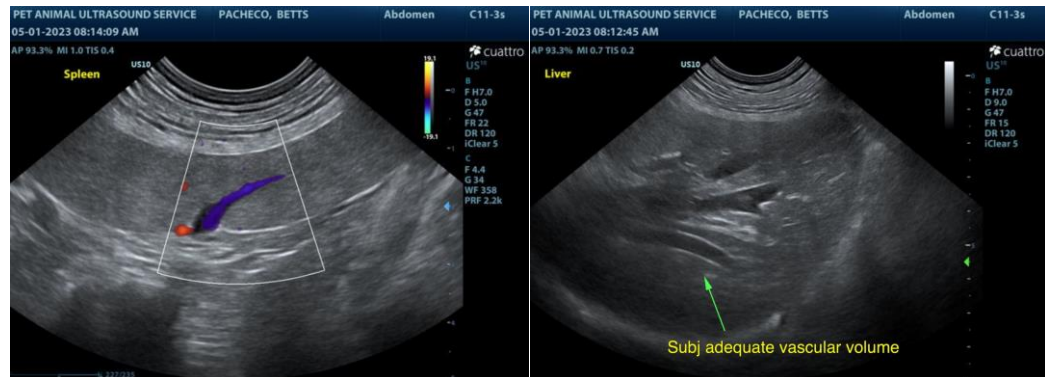
Pamela Harrigan, RDCS

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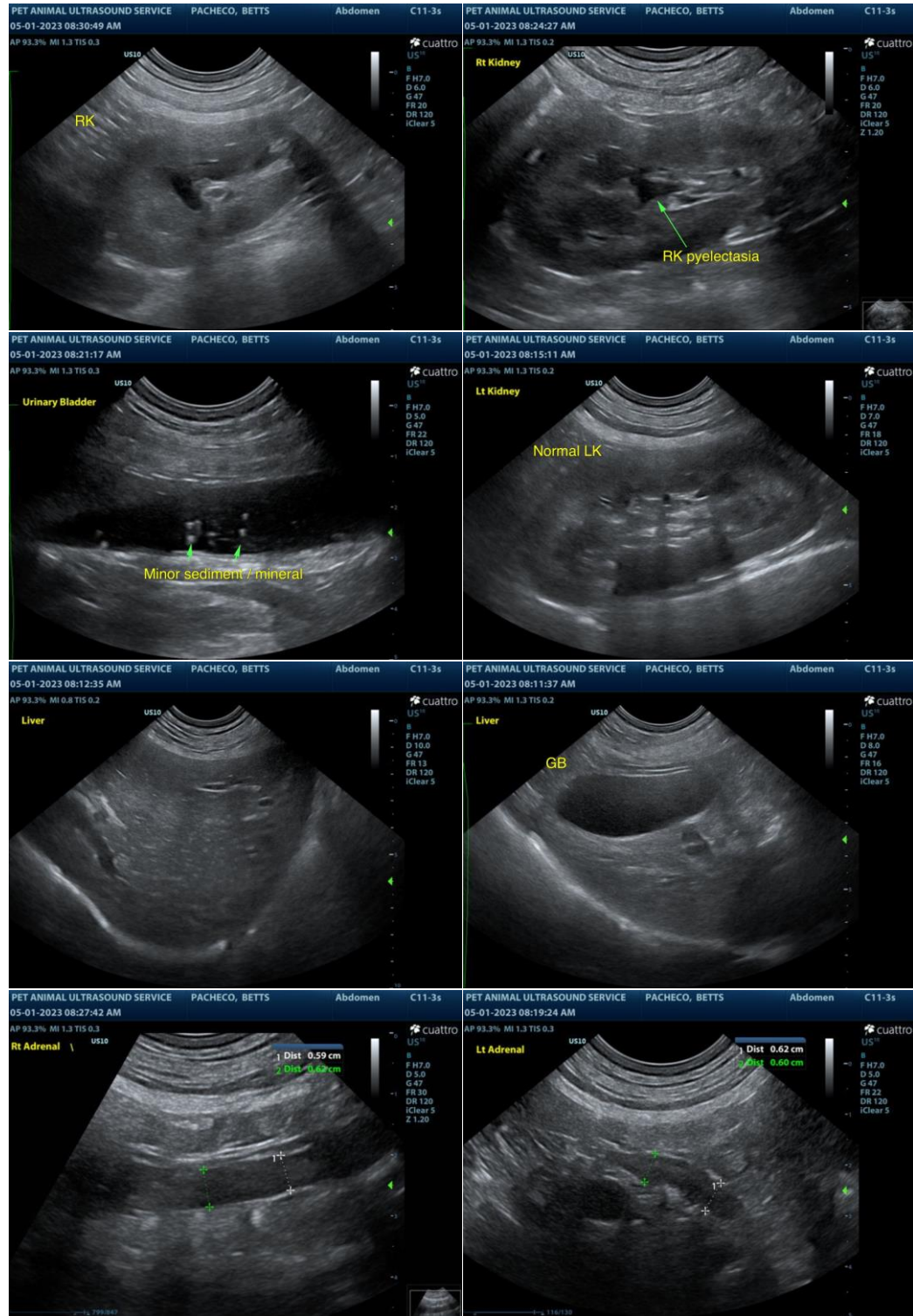
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



PATIENT

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

Betts Pacheco

info@SonoPath.com

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Bernese Mtn Dog

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AGE

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