



PATIENT PRESENTING CLINICAL SIGNS

Mac Pacheco Elevated ALKP 433. Doing well clinically.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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

Bernese Mtn Dog

SEX

MN

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 8.0 cm in length. The right kidney measured 7.9 cm in length.

AGE

4yr

The area of the aortic trifurcation was free of pathology.
The area of the residual prostate appeared normal and free of pathology measuring 1.5 cm in diameter.

Adrenal Glands

WEIGHT

119lb

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.54 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 0.63 cm width at the caudal pole and 0.44 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, RDMS

Liver/Gallbladder

HOSPITAL NAME

Falmouth Animal Hospital

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.

REFERRING VET

Lilan Hauser, DVM

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.

INVOICE

13658ag

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.

DATE

05/01/2023

Pancreas



PATIENT

Mac 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

- Mild benign hepatopathy.
- Sonographically unremarkable gallbladder.
- Normal bilateral kidneys/adrenal glands.

SEX

MN

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, there is no overt evidence of significant abdominal visceral pathology. The liver was non-specific yet consistent with benign hepatopathy and may suggest possible idiopathic vacuolar changes given the ALP elevation without evidence of cholestasis with inflammatory criteria/non-specific hepatitis considered less likely.

AGE

4yr

No evidence of intra-abdominal neoplastic criteria. Hepatosupportive medications such as Denamarin +/- novel protein or hydrolyzed diet trial with monitoring of liver enzymes may prove beneficial.

WEIGHT

119lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Falmouth Animal
 Hospital

REFERRING VET

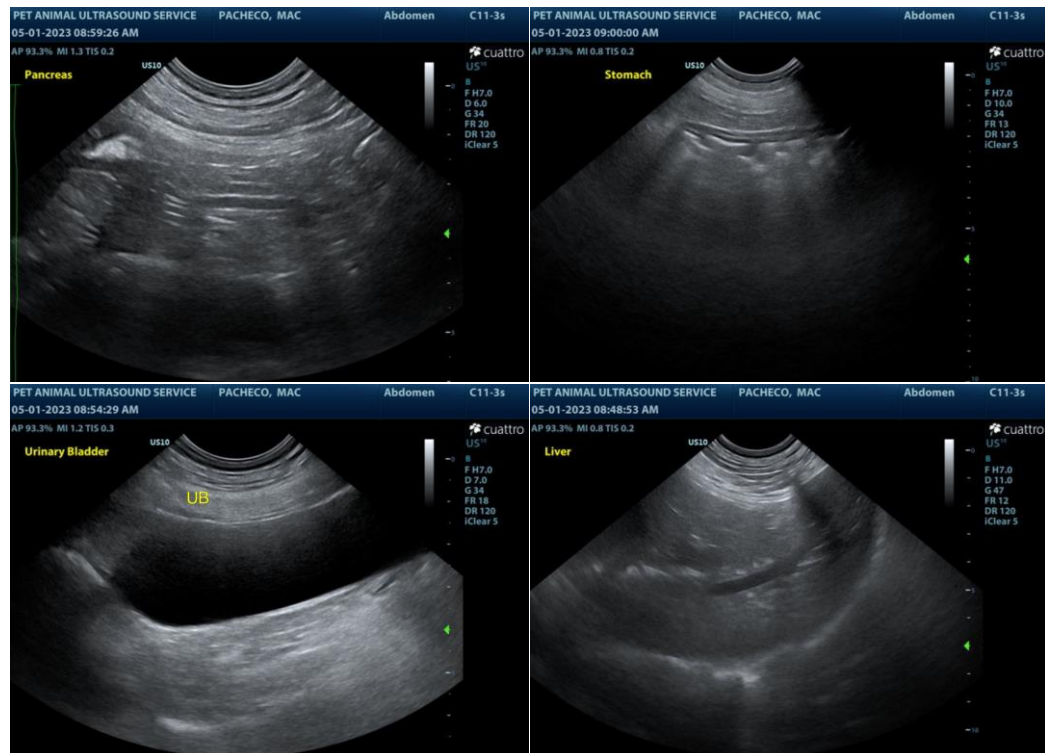
Lilan Hauser, DVM

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PATIENT

Mac Pacheco

SPECIES

Canine

BREED

Bernese Mtn Dog

SEX

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AGE

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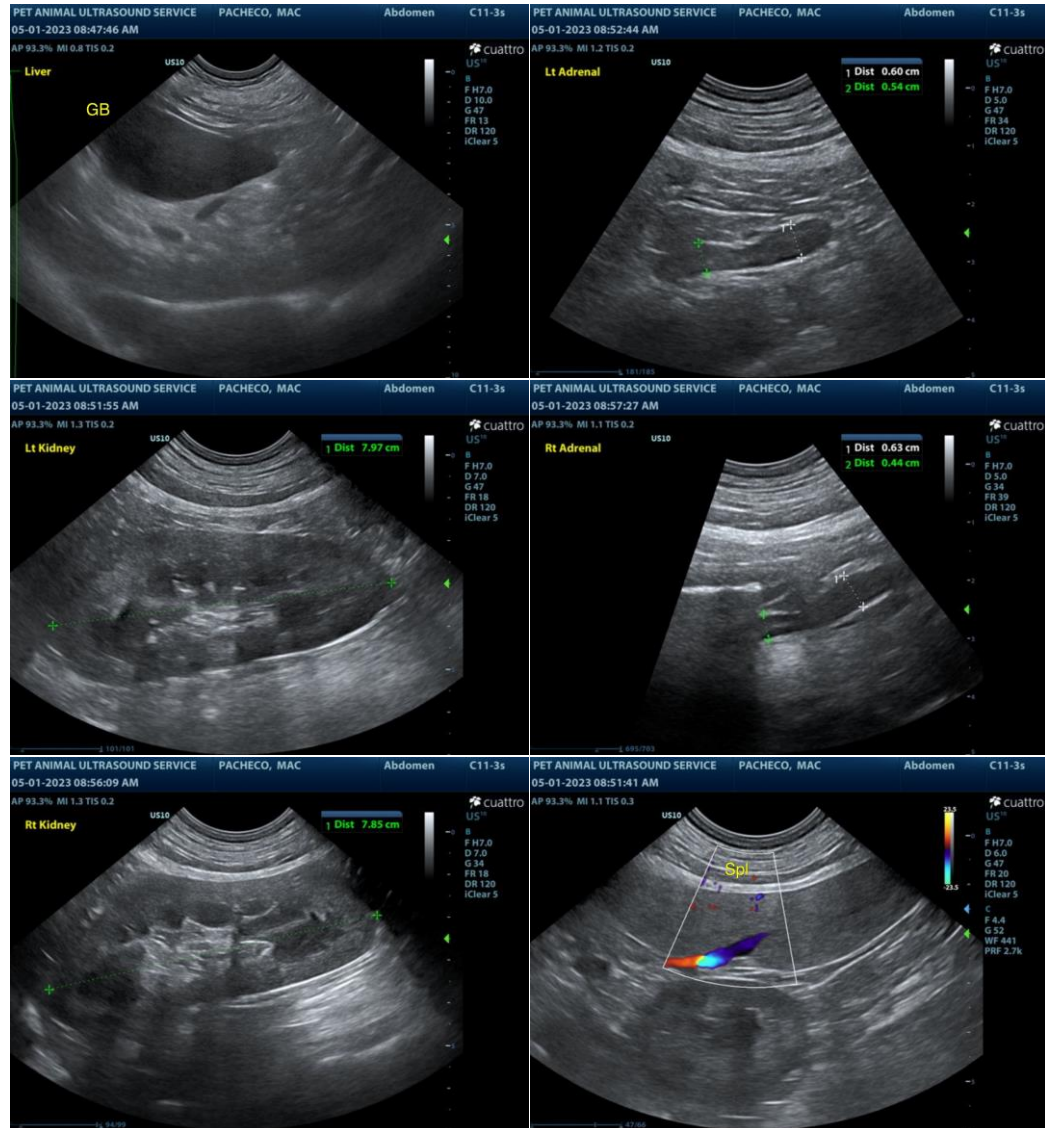
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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