

**PATIENT**

Greta Fondaw

PRESENTING CLINICAL SIGNS

Abnormal PE/Chem/CBC/UA Results: CBC and chemistry WNL Fecal Neg Fasting Bile Acids- pre 30.3 post 39.5 Vaccines all UTD Concern for shunt

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**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.

BREEDManchester Terrier
Mix**SEX**

FS

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 3.5 cm in length. The right kidney measured 3.6 cm in length.

AGE

6 months

The area of the aortic trifurcation was free of pathology.

Adrenal Glands**WEIGHT**

80lb

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.37 cm width at the caudal pole and 1.55 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.41 cm width at the caudal pole and 1.4 cm length.

INTERPRETED BYR. 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

Sarah Pender CVT

Liver

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 and volume were normal in appearance without signs of congestion. The visualized portal vein was sonographically normal and of comparable size to the caudal vena cava measuring 0.48 cm in width. The caudal vena cava measured 0.50 cm in width. Normal portal vein branching was visualized.

HOSPITAL NAME

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REFERRING VET

Dr. Rigg

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

Gastrointestinal**INVOICE**

10937ag

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.

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.

DATE

06/24/2022

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

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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.

SPECIES

Canine

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREEDManchester Terrier
Mix

Focal to intermittent mildly prominent to enlarged mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example measured 2.0 cm x 0.5 cm.

SEX

FS

ULTRASONOGRAPHIC FINDINGS

- Normal liver exhibiting normal vascular volume
- Sonographically unremarkable GI tract
- Focal to intermittent mild benign mesenteric lymph nodes-immunologic immaturity, incidental hyperplasia suspected

AGE

6 months

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**WEIGHT**

80lb

No evidence of intrahepatic or extrahepatic shunting. Overtly normal portal vein branching and vascular volume were present. Potential for mild portal hypoplasia given the mildly elevated bile acids cannot be definitively excluded. Overall hepatic functionality is likely adequate given the mildly elevated bile acids and with normal BUN, CHOL, ALB and GLU levels. A definitive cause of the reported seizures was not overtly evidence within the abdominal cavity. Monitoring for hepatic enzyme elevations is suggested. Continued as needed GI supportive care is recommended.

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DVM, DABVP
(Canine and Feline)**IMAGING PERFORMED BY**

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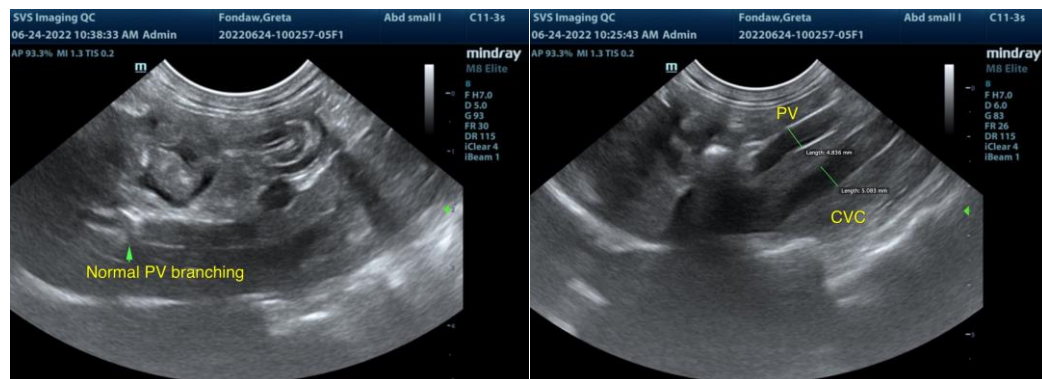
Dr. Rigg

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SPECIES

Canine

BREED

Manchester Terrier Mix

SEX

FS

AGE

6 months

WEIGHT

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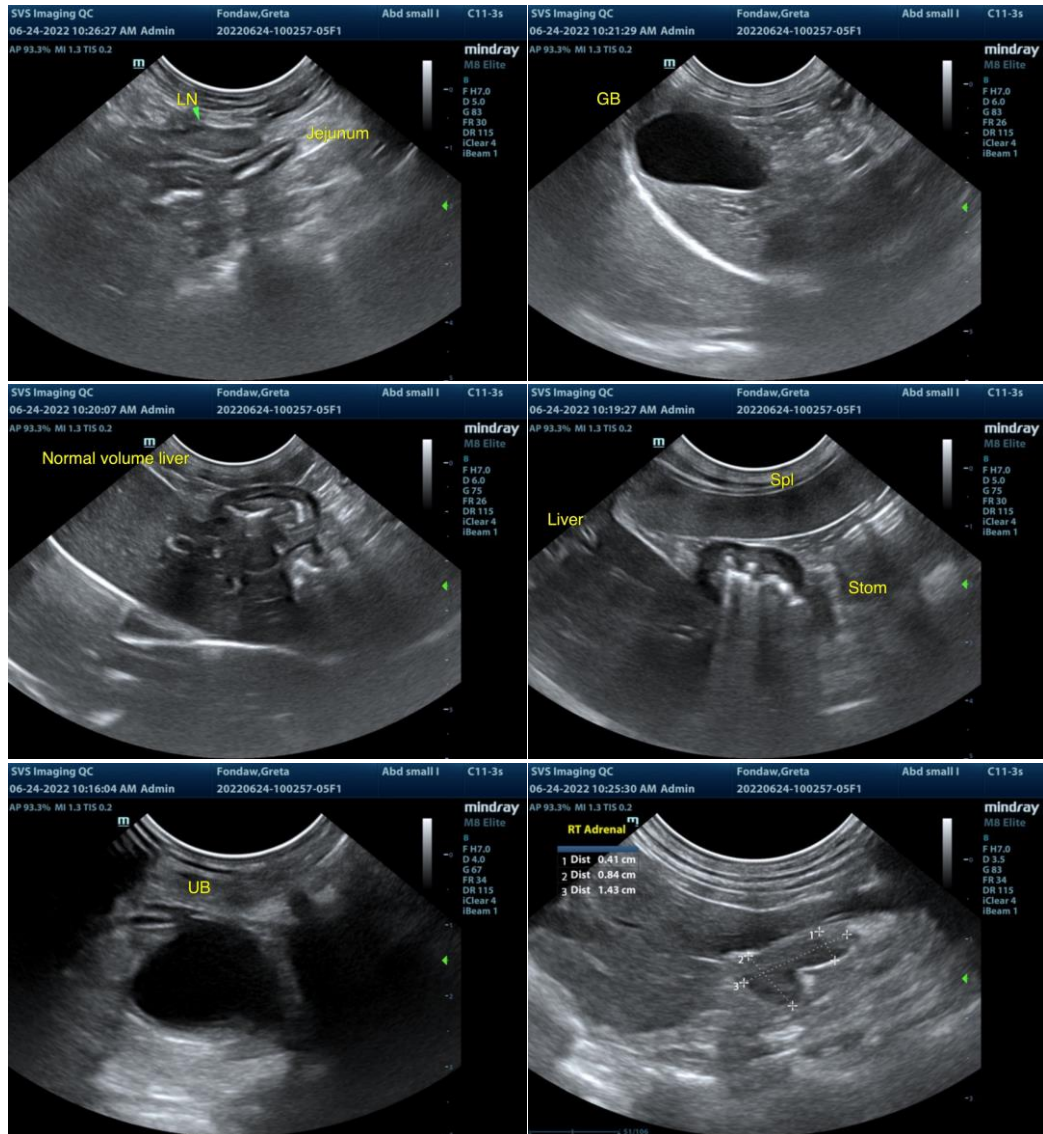
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PATIENT

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SPECIES

Canine

BREED

Manchester Terrier Mix

SEX

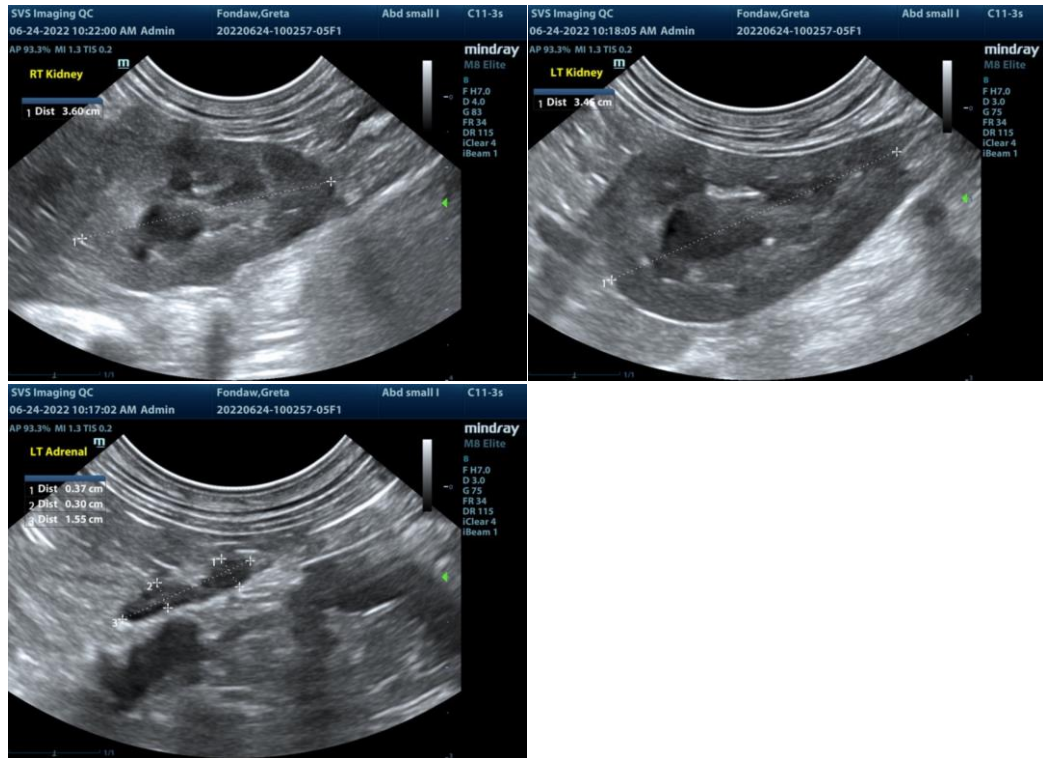
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AGE

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WEIGHT

80lb



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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)

info@SonoPath.com