



PATIENT

Teddy Blakely

PRESENTING CLINICAL SIGNS

History: Patient presents for distended abdomen, decreased appetite, systolic murmur, and coughing. No reported meds, blood work WNL.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Mixed

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.

SEX

MN

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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.5 cm in length. The right kidney measured 5.0 cm in length.

AGE

12 yr

The area of the aortic trifurcation was free of pathology.

WEIGHT

32 lb

No overt pathology in the area of the residual prostate although indistinctly visualized.

Adrenal Glands

The left and right adrenal glands were not definitively visualized owing to peritoneal free fluid.

INTERPRETED BY

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

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The spleen exhibited mild subnormal size owing to volume contraction. 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.

IMAGING PERFORMED BY

Kelly Vazquez

Liver

The liver was subjectively mildly enlarged in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild to moderate coarse echotexture. Subjective subtle to mild vascular congestion pattern was present most notable at the level of the hepatic vein caudal vena cava junction. The caudal vena cava exhibited normal size measuring approximately 1.1 cm in diameter.

HOSPITAL NAME

Glen Rock Veterinary
Hospital

REFERRING VET

Dr. Stekler

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. No evidence of gallbladder wall edema. The cystic and common bile ducts were normal.

INVOICE

10912ag

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.

DATE

06/22/2022

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.



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

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Pancreas

SPECIES

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.

Canine

Free Abdomen

BREED

Generalized uniform hyperechoic mesentery was noted. Moderate to severe volume peritoneal free fluid exhibiting minor echogenic changes which may indicate mild effusion cellularity.

Mixed

SEX

ULTRASONOGRAPHIC FINDINGS

MN

- Moderate to severe volume anechoic peritoneal free fluid
- Mild hepatomegaly exhibiting minor subjective congested vasculature
- Mild volume contracted spleen
- Bilateral chronic renal changes

AGE

12 yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

Subjectively the hepatic presentation is suggestive of congestive hepatomegaly although the signs of congestion were mild. This may correlate with primary cardiogenic component of the peritoneal free fluid. Correlation with echocardiographic assessment is recommended. If cardiogenic disease is ruled out and without evidence of significant hepatosplenic disease, GI disease, lack of overt lymphadenopathy or hypoalbuminemia, idiopathic inflammatory effusion or nonobvious lymphatic obstruction owing to carcinomatosis or similar could be considered. Peritoneal effusion analysis cytology +/- C/S for further assessment and correlation is recommended.

32 lb

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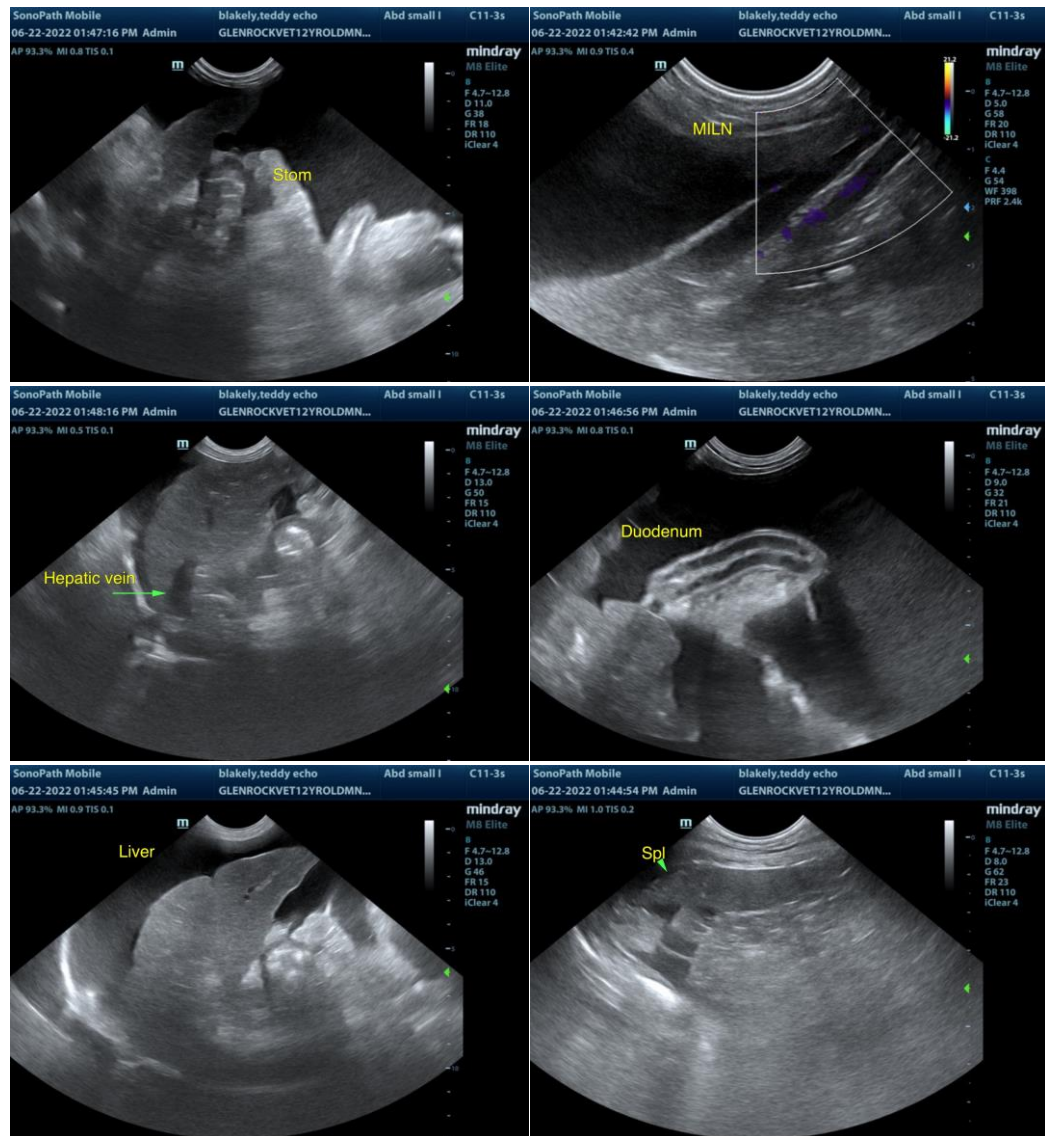
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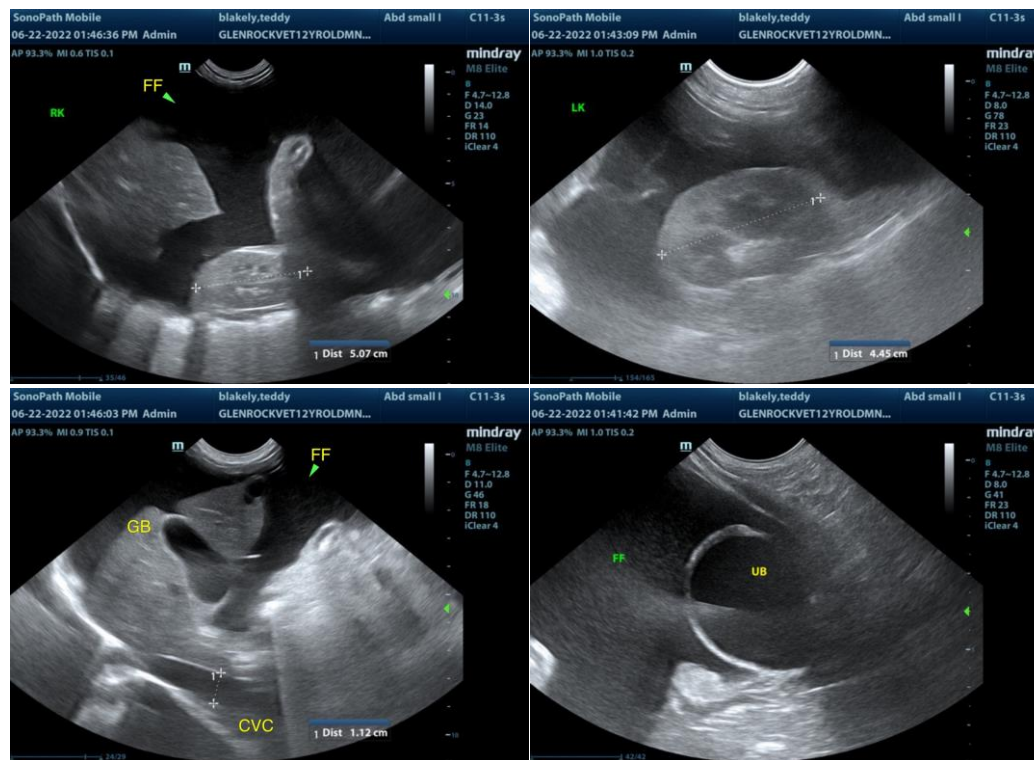
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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