

PATIENT

Simba Rassam

PRESENTING CLINICAL SIGNS

Anorexic for days, previous history of cholecystectomy due to gallbladder mucocele.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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

Shiba Inu

Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.0 cm in length. The right kidney measured 5.7 cm in length

SEX

MN

AGE

12yr

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology measuring 0.6 cm in diameter.

Adrenal Glands

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 1.5 cm length and 0.46 cm width in the caudal pole. The right adrenal gland measured 1.8 cm length and 0.71 cm width in the caudal pole.

WEIGHT

35.5lb

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. 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 presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. Focal to minor areas of probable miliary tree mineral present in the right medial to lateral liver and in the area of the previous gallbladder. Potential for hemoclips in this area is also possible given the history of cholecystectomy. Subtle increased yet indistinct prominence of portal vascular borders was present. The gallbladder was not visualized owing to previous cholecystectomy. No evidence of post hepatic obstructive criteria.

HOSPITAL NAME

New Bridge
Veterinary

REFERRING VET

Dr. Glennon

INVOICE

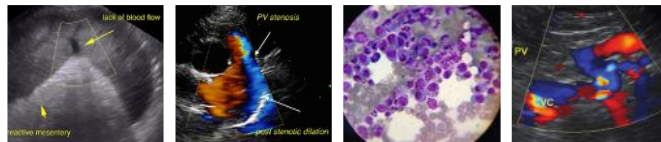
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Gastrointestinal

The stomach presented mild to moderate wall thickening secondary to echogenic mucosa hypertrophy. Intact wall layering was maintained and distinct. The gastric body wall measured 0.7 cm width. Mild gastric distension with mild retained primarily anechoic fluid was present.

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The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. Minor to intermittent non-obstructive ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present without obstruction or foreign material.

SPECIES

Canine

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

Pancreas

BREED

Shiba Inu

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum, likely consistent with age related changes and considered incidental. No signs of active inflammation or neoplasia.

Free Abdomen

SEX

No omental masses or peritoneal effusion was present.

MN

Focal to intermittent, mildly prominent to enlarged mesenteric lymph 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 of a lymph node measured 1.6 cm x 0.7 cm. This finding is considered incidental and is not consistent with inflammatory or neoplastic criteria.

AGE

12yr

ULTRASONOGRAPHIC FINDINGS

WEIGHT

35.5lb

- Gastroenteritis pattern with mild hypomotile stomach
- Heterogeneous pancreas
- Hepatic parenchymal remodeling with probable focal non-obstructive biliary tree mineralization
- Mild chronic renal changes

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Pancreatitis may be considered if evidence of cranial abdominal or subxiphoid discomfort on palpation. No evidence of significant pancreatitis or intra-abdominal neoplastic criteria. The hepatic parenchymal remodeling and areas of biliary tree mineralization are of unclear clinically significant and potentially incidental. Biliary tree mineralization has been associated with hepatobiliary inflammation i.e. cholangiohepatitis. Correlation with a full CBC/Chem panel/UA and spec cPL is warranted.

IMAGING PERFORMED BY

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Empirically hospitalization with 48 hour IVF and GI support with empirical therapy for low grade or chronic pancreatic and assessment of clinical response would be reasonable.

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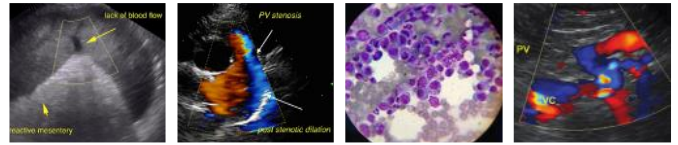
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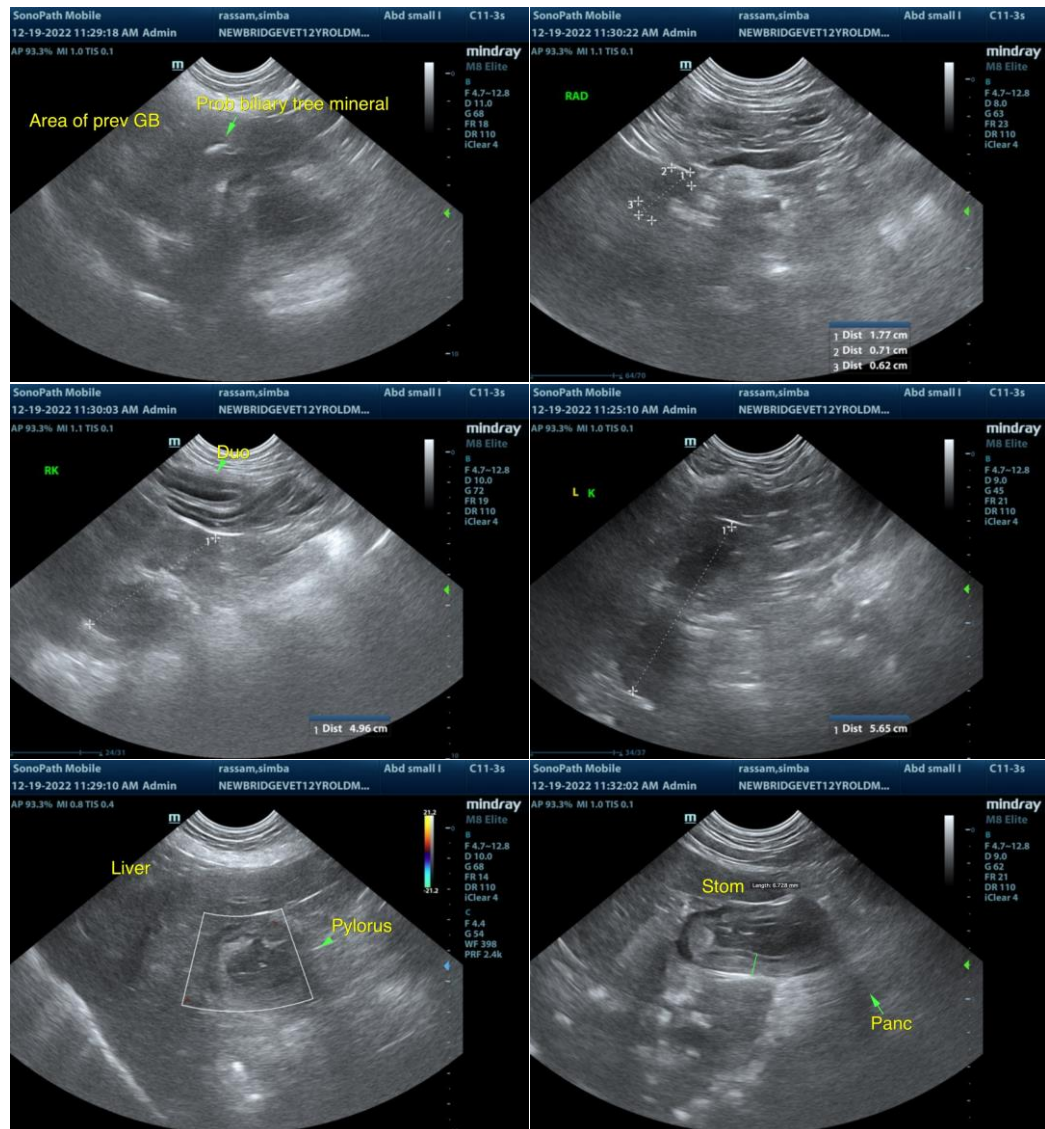
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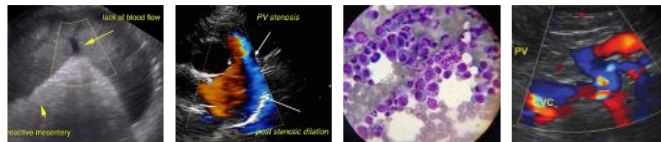
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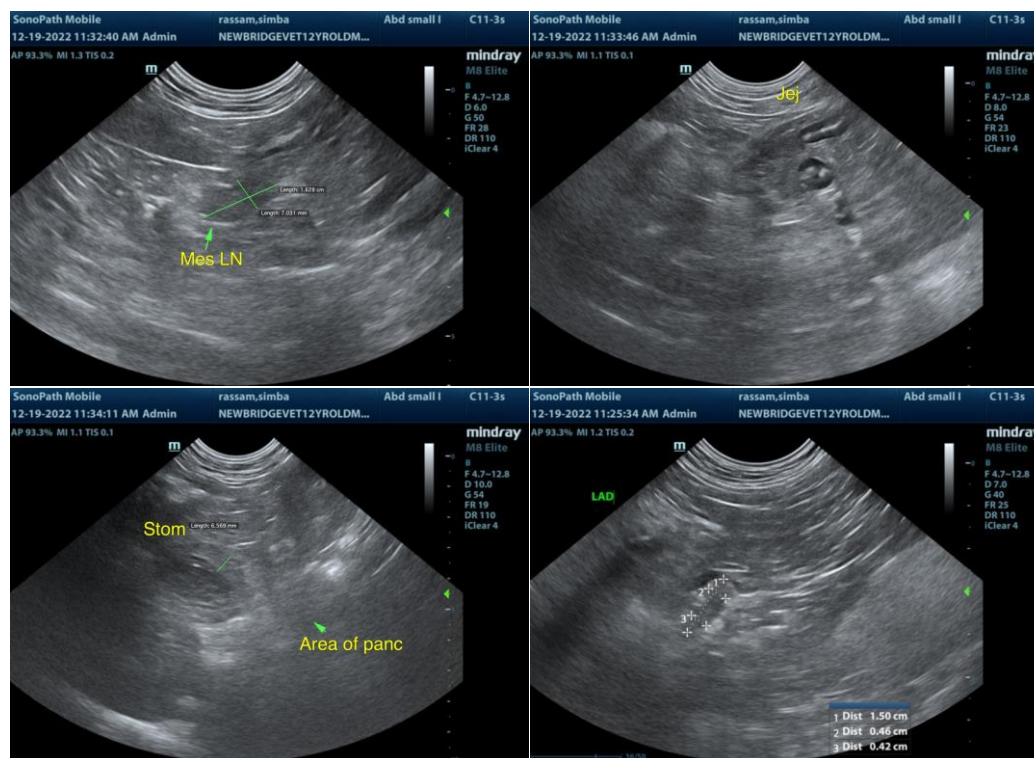
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

info@SonoPath.com