



PATIENT

Jade Cantos

PRESENTING CLINICAL SIGNS

History: acute onset of increased liver enzymes, vomiting, poss foreign material

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Toy Poodle

The urinary bladder, 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 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

Female

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.8 cm in length. The right kidney measured 4.0 cm in length.

AGE

15 years

Adrenal Glands

No overt pathology in the area of the left adrenal gland. The right adrenal gland measured 1.6 cm in length x 0.33 cm caudal pole width.

WEIGHT

11.5 years

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Pinpoint hyperechoic splenic parenchyma foci was observed, which may indicate areas of micro infarction, fibrosis or mineralization. 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.

INTERPRETED BY

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

IMAGING

PERFORMED BY

Jenn

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. 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.

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

Dr. Maniar

Gastrointestinal

The stomach presented with prominent to thickened walls exhibiting intact to mildly indistinct wall layering. The ventral gastric body wall measured 0.57 cm. Mild retained anechoic fluid and luminal gas were present. Minor potential for ulceration possible if evidence of recent hematemesis.

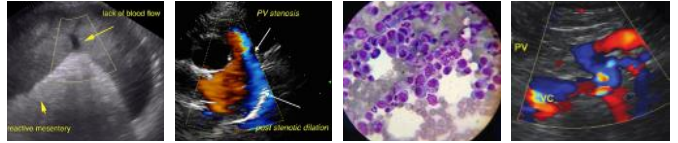
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The small intestine presented intact walls exhibiting intact wall layering with 1:3 muscularis/mucosa ratio. Segmental nonspecific duodenal and jejunal speckling with segmental areas of retained nonspecific hyperechoic to subtly shadowing ingesta were noted. No overt evidence of obstructive gastrointestinal pattern.

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03/16/2022



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Normal visible colon wall layers were present with apparent formed to shadowing 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

No overt lymphadenopathy or peritoneal effusion was present.

Toy Poodle

SEX

Female

- Nonspecific hepatopathy-subjectively benign.
- Moderate gastritis and gastric hypomotility.
- Segmental nonspecific small bowel mucosal speckling and nonobstructive hyperechoic ingesta- no evidence of mechanical small intestinal obstructive pattern.
- Mild chronic renal changes.

AGE

15 years

ULTRASONOGRAPHIC FINDINGS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

11.5 years

The overall appearance of the liver was nonspecific yet consistent with benign hepatopathy. Considerations may include nonspecific hepatitis (viral, bacterial, leptospirosis, toxin, etc.) or vacuolar hepatopathy with parenchymal remodeling with occult hepatic neoplasia considered a less likely differential diagnosis. No overt evidence of concurrent gallbladder disease or post hepatic obstruction. Further assessment may include a hepatic FNA using a 25g needle for screening cytology +/- leptospirosis titers/PCR if clinically indicated.

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Generalized acute gastrointestinal inflammatory pattern is suspected. Technically the possibility of passing nonobstructive foreign material such as cloth, fabric or similar is possible. No overt indication for immediate surgical intervention based on lack of obstructive pattern. However, monitoring for normal gastrointestinal emptying is suggested.

IMAGING PERFORMED BY

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Empirical therapy for potential nonspecific hepatitis with as needed gastrointestinal support and continued monitoring would be reasonable.

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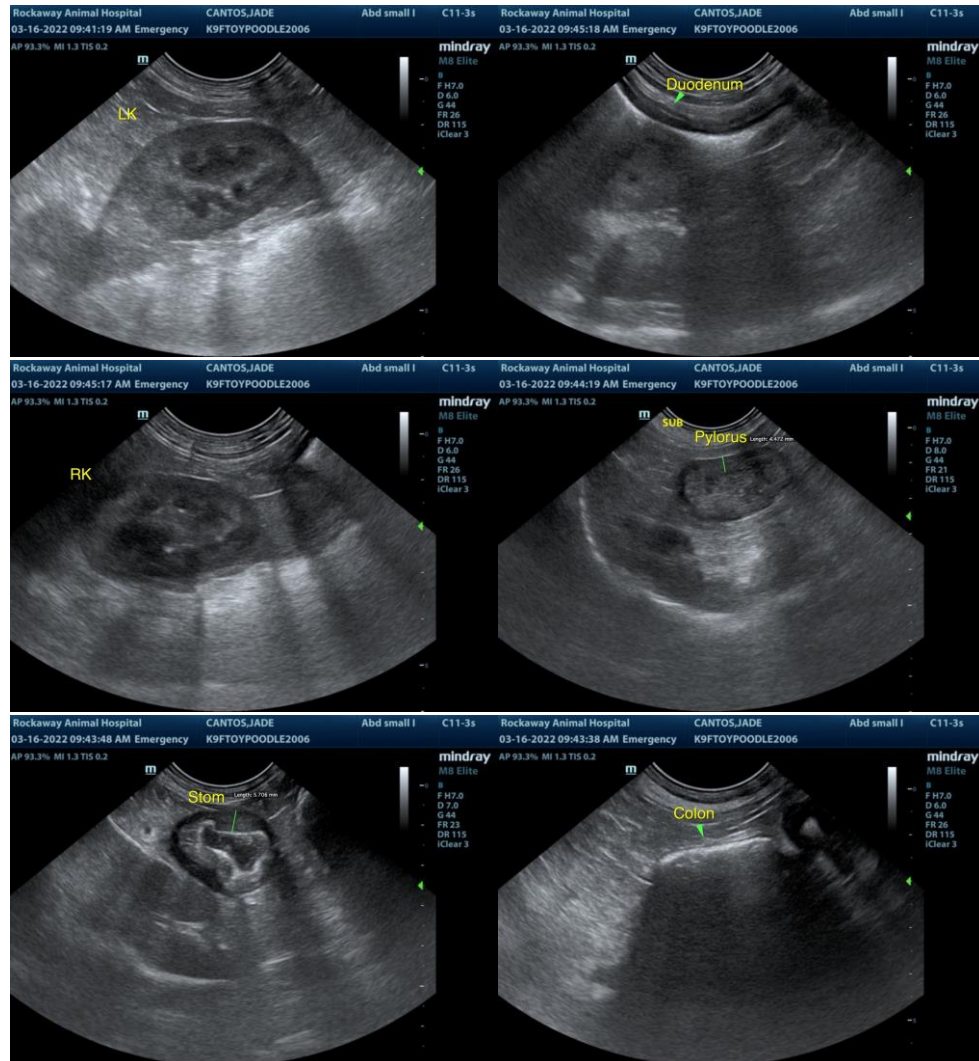
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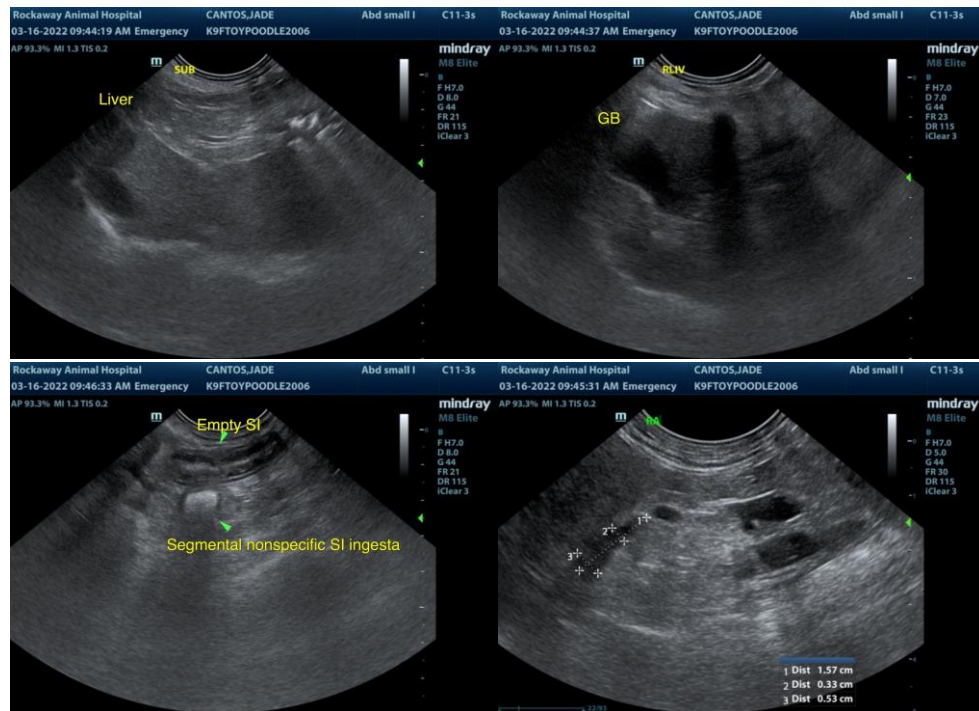
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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