



**PATIENT**

Chico Alfaro

**PRESENTING CLINICAL SIGNS**

History: black vomit, bloody diarrhea

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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. Aortic trifurcation was normal.

**BREED**

Cocker Spaniel

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.6 cm x 2.6 cm.

**SEX**

Male

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 6.2 cm in length. The right kidney measured 5.8 cm in length.

**AGE**

4 Years

**WEIGHT**

31.5 Pounds

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.5 cm in length x 0.63 cm width.

**INTERPRETED BY**

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

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 2.0 cm in length x 0.46 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Jenn

**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.

**HOSPITAL NAME**

Rockaway AH

**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 were normal in appearance without signs of congestion.

**REFERRING VET**

Dr. Maniar

The gallbladder was non distended in size with mild gallbladder debris. The cystic duct and common bile ducts were normal without evidence of dilation.

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**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild luminal gas. No evidence of retained ingesta, fluid or foreign material as well as no evidence of gastric mural hypertrophy, neoplastic criteria or obvious ulceration. The gastric body wall measured 0.38 cm.

**DATE**

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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. The duodenal wall measured 0.35 cm.

**SPECIES**

Canine

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

**Pancreas**

**BREED**

Cocker Spaniel

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.

**Free Abdomen**

**SEX**

Male

No overt lymphadenopathy or peritoneal effusion was present.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Mild gallbladder debris- likely incidental, potentially owing to fasting or nonclinical cholestasis
- Overtly normal gastrointestinal tract- potential mild gastroenterocolitis

**AGE**

4 Years

**WEIGHT**

31.5 Pounds

**Secondary Findings**

- Mild benign prostatic hyperplasia- normal prostatic presentation for a young intact male canine

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall, no overt evidence of significant visceral, specifically gastroenterocolic pathology. Potential for nonobvious or microulceration given the patients clinical signs cannot be definitively excluded. Conservative therapy to cover for nonobvious ulceration with as needed gastrointestinal support should prove beneficial. Resting cortisol level to rule out occult Addisons disease may be considered if clinically indicated.

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Rockway AH

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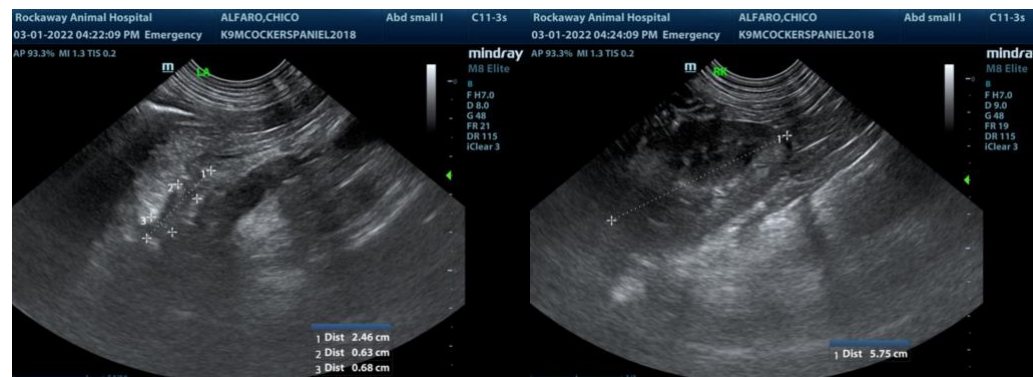
Dr. Maniar

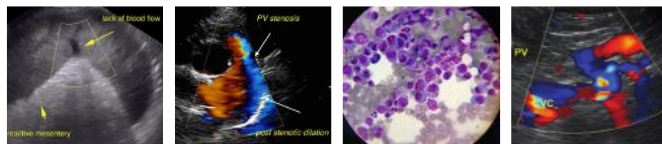
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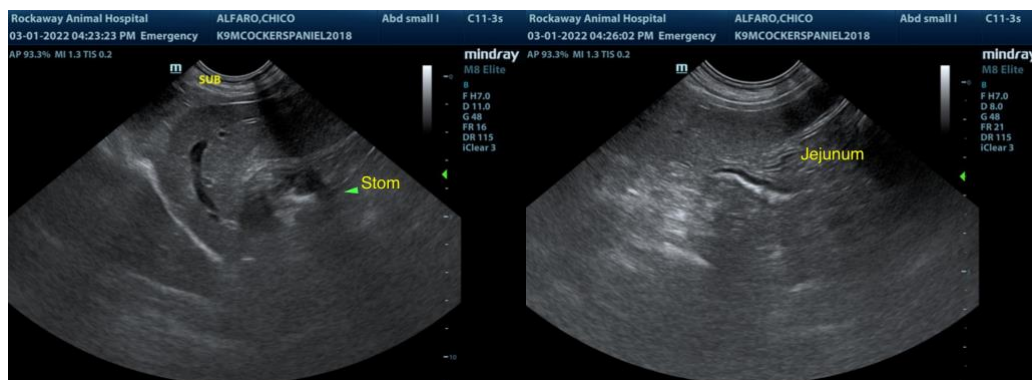
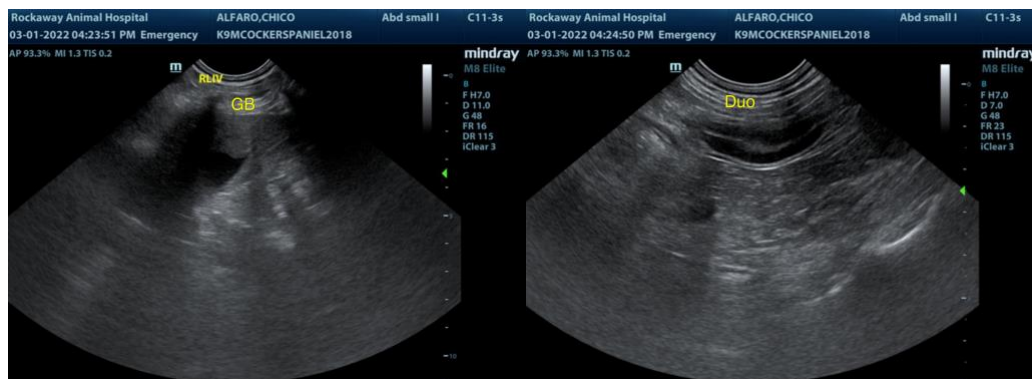
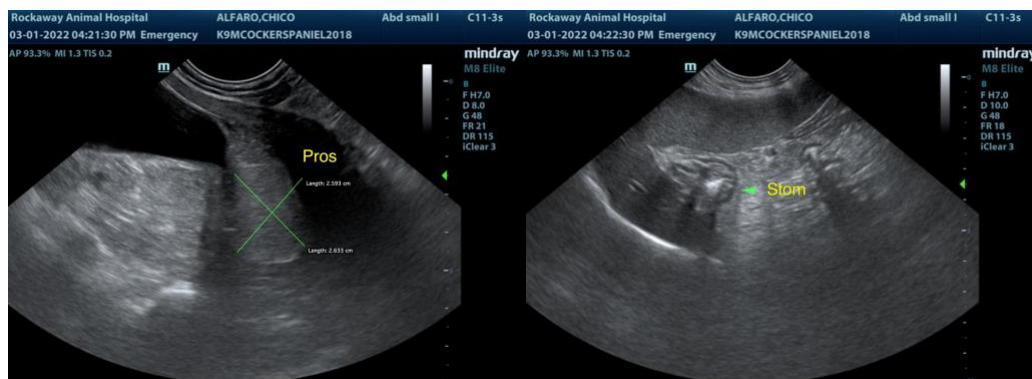
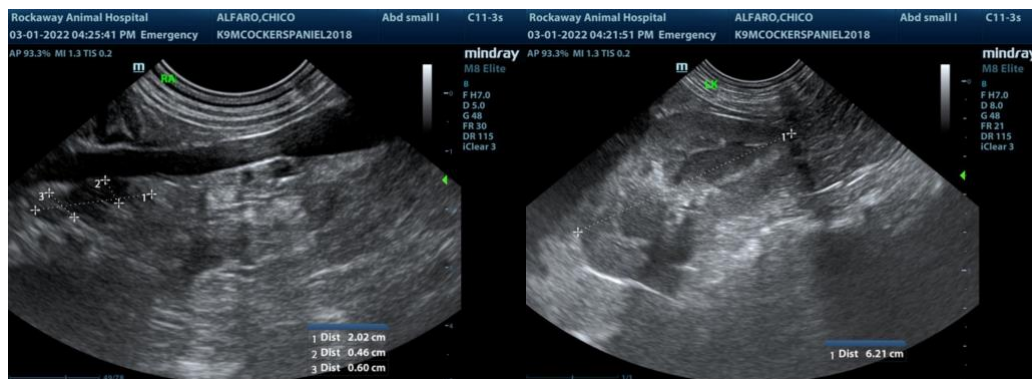
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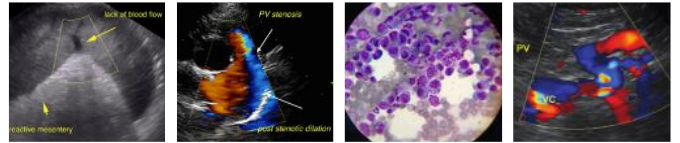
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The information and recommendations provided are based on the images presented by the



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referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Chico Alfaro

**SPECIES**

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.

Canine

**BREED**

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**  
info@SonoPath.com

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**SEX**

Male

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