



PATIENT

Sullivan George

PRESENTING CLINICAL SIGNS

Vomited once a day for 4 days. O reports possible ingestion of rocks.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Lab

Urinary System

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

MI

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 5.7 cm in length. The right kidney measured 5.4 cm in length.

AGE

5mo

The area of the aortic trifurcation was free of pathology.

The area of the prostate appeared normal and free of pathology.

WEIGHT

30lb

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.54 cm width at the caudal pole and 2.5 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.42 cm width at the caudal pole and 2.1 cm length.

INTERPRETED BY

R. 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

Rodriguez

HOSPITAL NAME

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Services

Liver/Gallbladder

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. Normal vascular volume. 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.

REFERRING VET

Rodriguez

Gastrointestinal

INVOICE

14696ag

The stomach presented intact, possibly mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach appeared to be mild to moderately gas distended with no signs of ileus, obstruction or foreign material.

DATE

08/22/2023



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The small intestine presented intact wall layering. The lumen of the small intestine was segmentally empty with concurrent dilated segments of small bowel containing retained primarily non-shadowing ingesta/chyme and increased gas pattern. Within the dilated segments of the small intestine, focal to several strongly shadowing symmetrical to mildly irregular echoes were present measuring 1-2 cm in diameter. The ileum exhibited intact prominent wall layering with prominent ileum muscularis layer at the level of the colon.

SPECIES

Canine

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

BREED

Lab

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.

SEX

MI

Free Abdomen

No omental masses or peritoneal effusion was present.

AGE

5mo

Focally enlarged mid abdominal mesenteric lymph nodes were present. These lymph nodes were homogenous, mildly hypoechoic and smoothly margined. A normal width: length ratio was maintained (<0.5). Evidence of perilymphatic inflammation was present. An example of lymph node size was 2.0 cm.

WEIGHT

30lb

ULTRASONOGRAPHIC FINDINGS

INTERPRETED BY

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

- Mild to moderate gas distended stomach.
- Segmental moderate dilated small intestine with retained ingesta/chyme, focal to several strongly shadowing intestinal luminal echoes.
- Concurrent empty small bowel without evidence of mechanical/metabolic ileus.
- Intermittent mild to variably prominent hypoechoic mesenteric lymphadenopathy-mild hyperplasia, reactive lymphadenitis or immunologic immaturity.
- Suspect ileitis.

IMAGING PERFORMED BY

Rodriguez

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

HOSPITAL NAME

Foxfield Veterinary
Services

The segmental moderate intestinal dilation with retained ingesta/chyme in conjunction with strongly shadowing intestinal luminal echoes is consistent with partial intestinal obstructive pattern. Foreign body likely consistent with rocks given the patient's history. Exploratory laparotomy with enterotomy/ies and gross inspection of the GI tract +/- GI biopsies is recommended. The possibility of small amounts of passed foreign material/rock within the colon is a potential.

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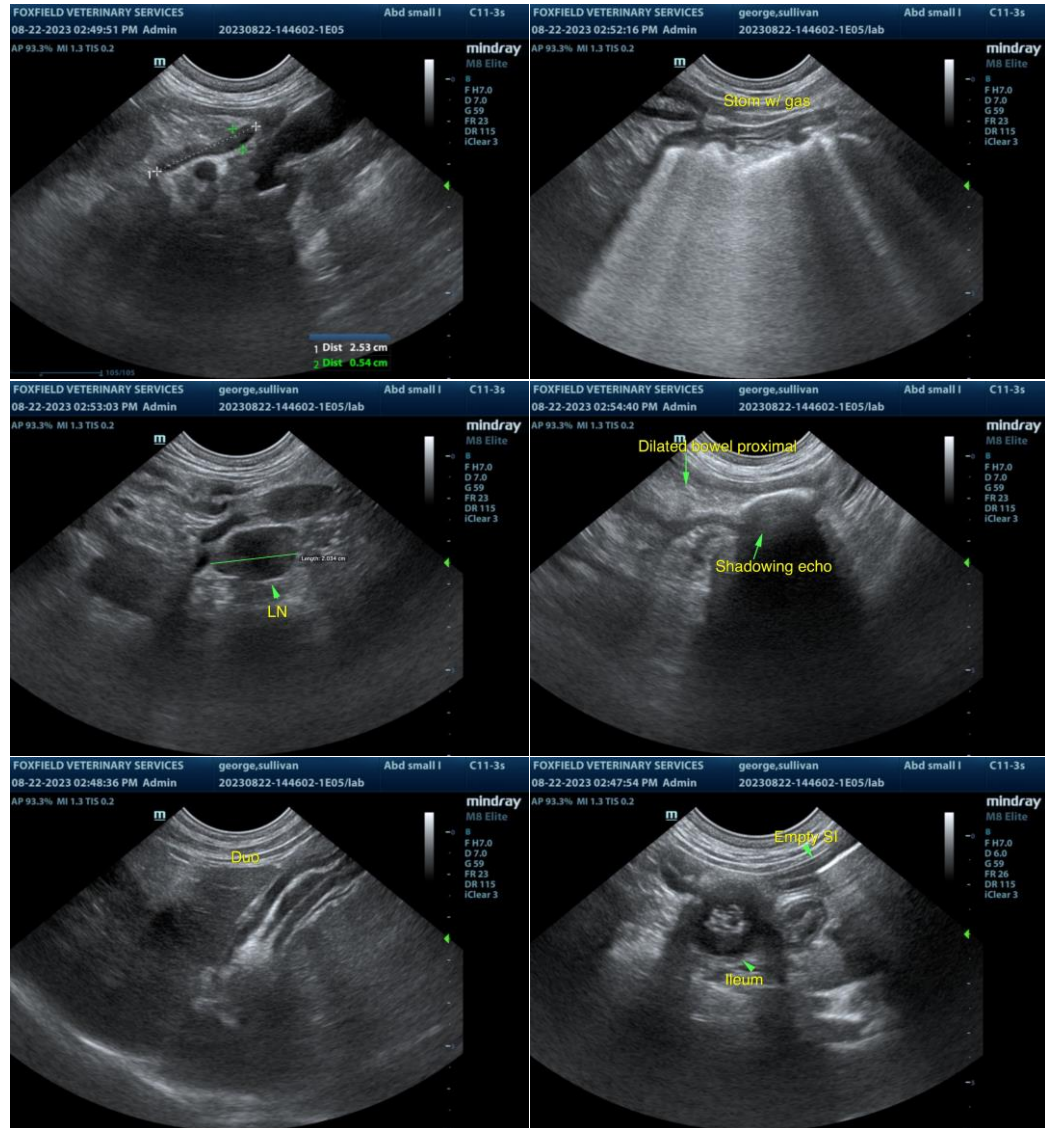
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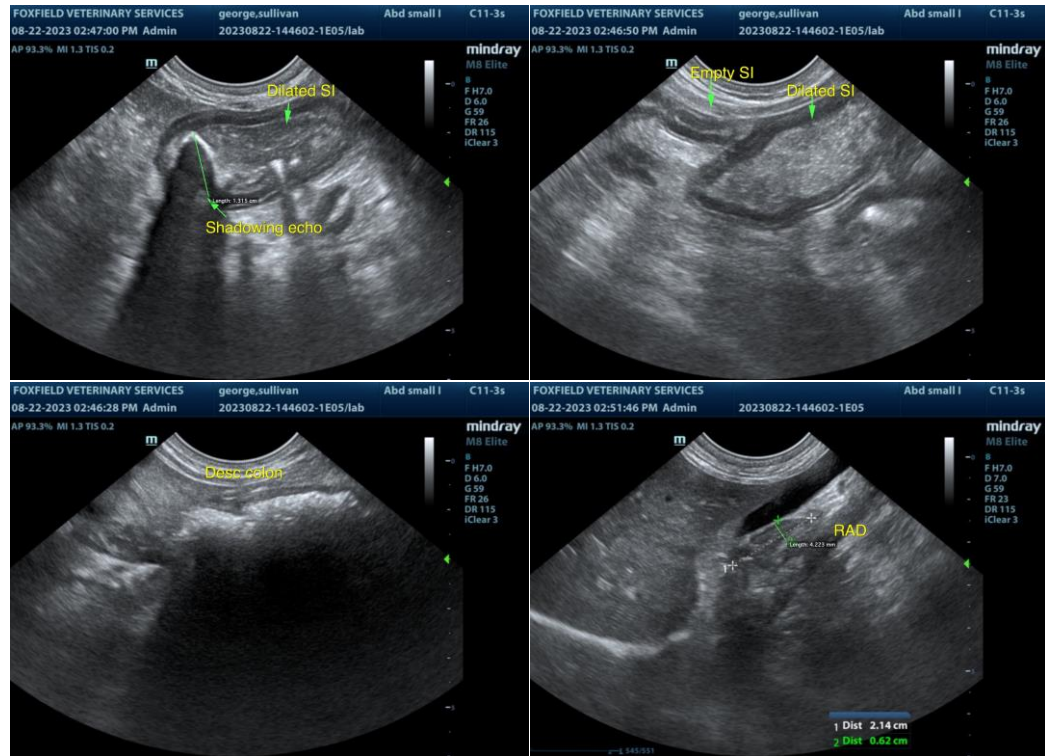
MI

AGE

5mo

WEIGHT

30lb



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.

INTERPRETED BY

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

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.

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