



PATIENT

Apollo Nath

SPECIES

Canine

BREED

Golden Retriever X

SEX

Neutered Male

AGE

11 Months

WEIGHT

27 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Belan

HOSPITAL NAME

Alpine 24/7

REFERRING VET

Dr. Zhao

INVOICE

14554

DATE

3/29/22

PRESENTING CLINICAL SIGNS

History: Was at a puppy party and ate a bunch of soft toys on Sunday has brought up some pieces of cloth as well as passed some in stool. Ab X rays show material in stomach that has reduced over time. Not vomiting the last 24-30 hrs and has appetite

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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.

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture.

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 5.7 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm width at the caudal pole and 0.25 cm width at the cranial pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.24 cm width at the caudal pole and 0.33 cm width at the cranial pole.

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.

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.

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach exhibited mild to moderate distention, containing strongly shadowing ingesta to echo, the echo measured approximately 3.0-3.5 cm in diameter within the gastric body. The echo appeared to extend into the area of the pylorus. The visualized gastric walls were normal. The ventral gastric body wall measured 0.30 cm.



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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 mechanical/metabolic small intestinal ileus or obstruction and without overt evidence of small intestinal foreign material. The jejunum wall measured 0.38 cm. The duodenum wall measured 0.42 cm.

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Normal visible colon wall layers were present. The colon contained shadowing fecal matter.

Pancreas

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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.

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Free Abdomen

Intermittent, mildly prominent to enlarged mesenteric and medial iliac lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation or neoplastic criteria and maintaining a normal width: length ratio (<0.5). An example of mesenteric lymph node size measured 2.0 cm x 0.54 cm. This change is likely suggestive of benign hyperplasia, minor reactive lymphadenitis, or immunologic immaturity.

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ULTRASONOGRAPHIC FINDINGS

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- Strongly shadowing gastric echo-consistent with gastric foreign material, such as cloth fabric or similar.
- Overtly normal small bowel- no evidence of concurrent small bowel foreign material or mechanical/metabolic ileus.
- Intermittent, benign/reactive mesenteric and medial iliac lymphadenopathy

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

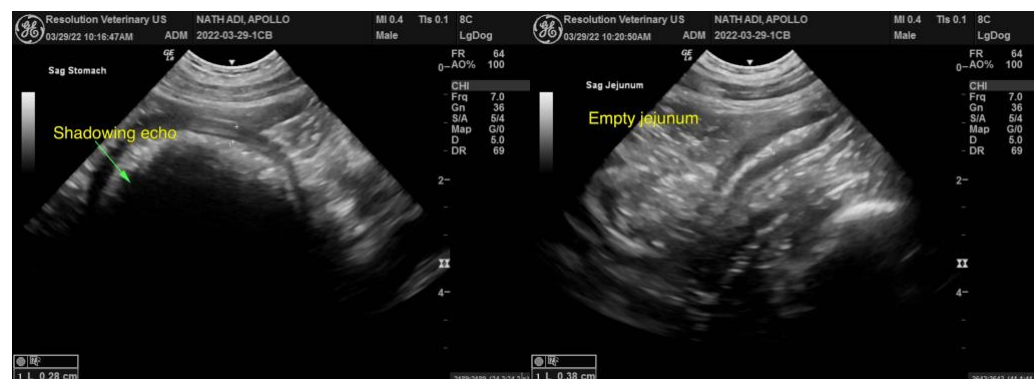
The study confirms the presence of strongly shadowing gastric echo, consistent with foreign material. Further assessment may include gastric endoscopy for further clarification with potential for removal versus laparotomy with gastrotomy and gross inspection of the small bowel.

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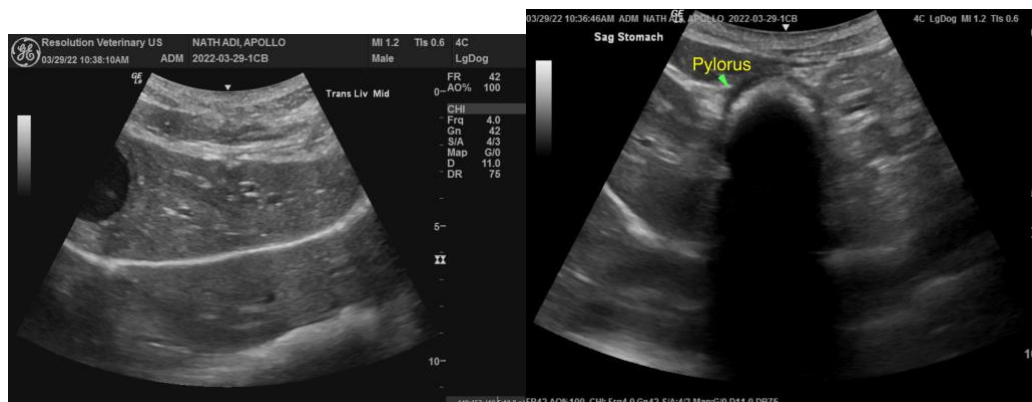
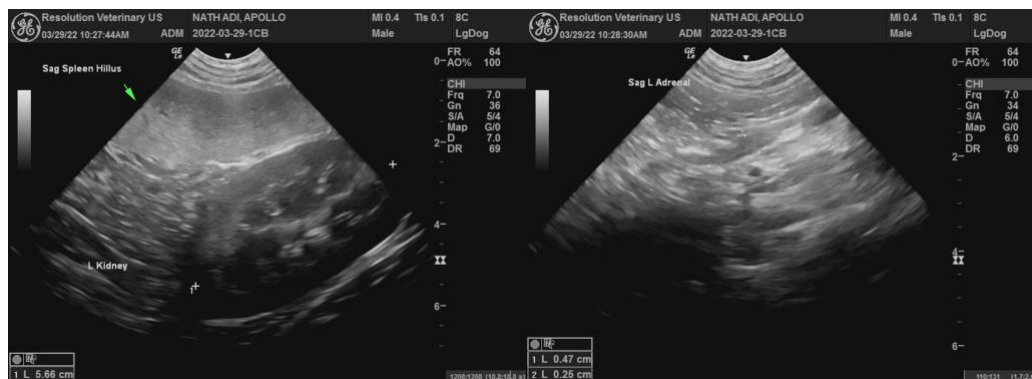
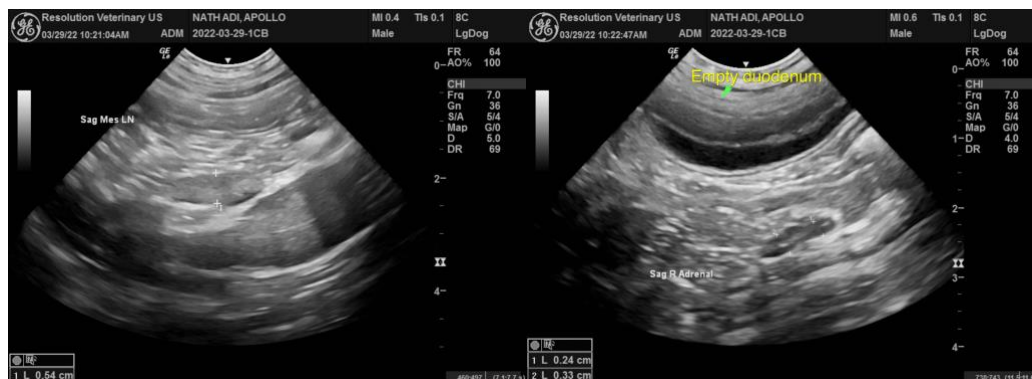
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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