


PATIENT PRESENTING CLINICAL SIGNS

Hatley Ambler
 History: Vomiting and bloody diarrhea. Has been on IV fluids and Cerenia, Sucralfate and Metronidazole (but once home, owner struggles to get all of his meds into him)
 Abnormal PE/Chem/CBC/UA Results: TP 48(50-74), ALB 23(27-44), Amylase 1884(290-1125) U/A pH 8.0 and blood present. Sp Grav 1.030

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System
BREED

Beagle

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A small to moderate amount of aggregated echogenic suspended debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Male, neutered

The prostate is not definitively visualized due to its pelvic location.

AGE

7 Yrs.

The left kidney is normal size (4.76 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

WEIGHT

14.2 kg.

The right kidney is normal size (5.48 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.79 cm at cranial pole) (0.67 cm at caudal pole) (1.93 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (1.05 cm at cranial pole) (0.77 cm at caudal pole) (2.35 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

INTERPRETED BY

Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

Spleen

The spleen is normal in size with a normal capsular contour. There is appropriate echogenicity and echotexture. A few small hypoechoic nodules are observed. Splenic vasculature is normal.

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Westoak AH

Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen with minor changes consistent with age-related remodeling. No focal lesions are observed. Hepatic vasculature and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

REFERRING VET

Dr. Kholmaier/Fisher

INVOICE

12541

Gastrointestinal

The gastric lumen is mildly to moderately fluid distended and hypomotile. Within the fluid, small hyperechoic linear shadowing material is visualized. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is segmentally fluid distended (mild). The small intestinal wall thickness is

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normal with a normal layering pattern and appropriate mural detail. There is slight disruption in the normal 1:3 muscularis: mucosal ratio in some segments. A few small intestinal segments are hyperperistaltic. The mesentery surrounding the small intestine is reactive. The wall of the descending colon is thickened (up to 0.70 cm) with apparent retention of the normal layering pattern.

SPECIES
Pancreas

Canine

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

BREED

Beagle

Free Abdomen

Trace free fluid is observed. A few prominent mesenteric lymph nodes are visualized, the largest measuring 2.35 cm in length. Surrounding mesentery is hyperechoic. 1-2 prominent lymph nodes are also observed in the caudal abdomen.

SEX

Male, neutered

ULTRASONOGRAPHIC FINDINGS
AGE

7 Yrs.

Primary Findings:

- The bowel changes are most consistent with diffuse gastroenteritis/colitis. There is no obvious evidence of obstruction.
- Mid-abdominal peritonitis is present likely sterile and secondary to bowel pathology +/- low oncotic pressure.

WEIGHT

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Secondary Findings:

- The lymph node changes are most consistent with reactive lymphadenitis or lymphoid hyperplasia.
- The hepatic changes are consistent with age-related parenchymal remodeling and are not considered clinically significant at this time.
- The splenic parenchyma changes are most consistent with a benign process such as lymphoid hyperplasia, extramedullary hematopoiesis or splenitis with a low possibility of infiltrative neoplasia (i.e., lymphoma, mast cell neoplasia).
- Urinary bladder debris.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Supportive care for hemorrhagic gastroenteritis is recommended along with a fecal evaluation for ova and Giardia and prophylactic deworming with fenbendazole.
- If clinical signs do not improve with supportive care, a more advanced GI workup may be warranted.

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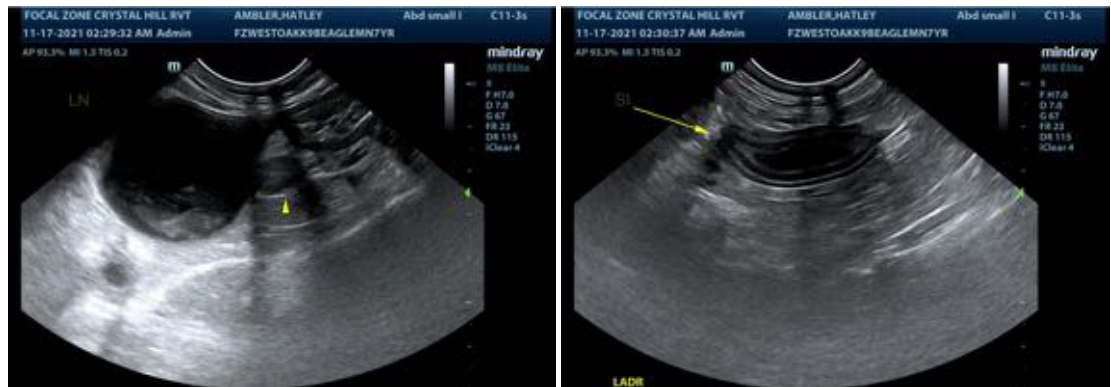
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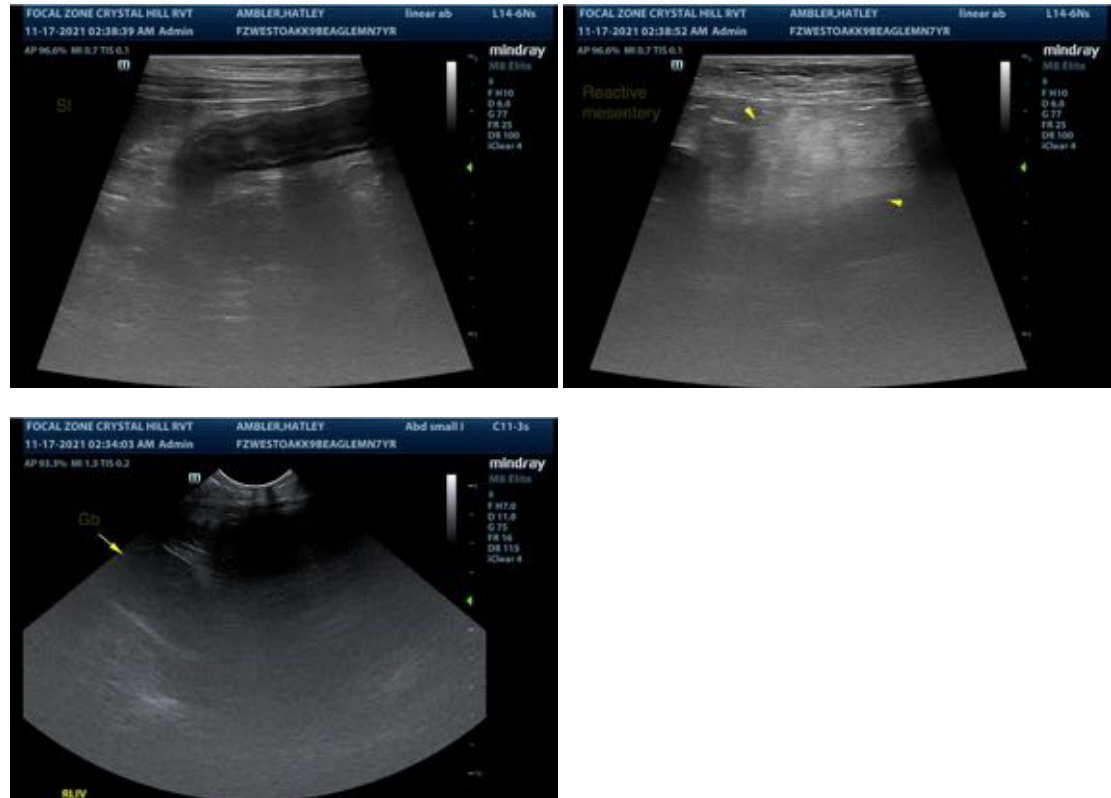
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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