



PATIENT PRESENTING CLINICAL SIGNS

Chloe Huizenga

History: Prev hx of splenectomy in 2019 and hx of mild non-regenerative anemia since 2019. Presented 5/2 for vomiting since 4/29. Vomiting happens about 7-12 hours after eating a meal but will keep water down. Has been lethargic and more reserved, hiding behind the couch instead of laying on the dog bed. Other 2 house mates passed away in the last 6 months. Ran CBC/Chem/Lytes/SDMA/UA - rbc, HCT, hemoglobin low, ALT, ALP, t bili, GGT elevated. started on metronidazole, amoxi tri clav, denamarin and administered cerenia in house. Icteric sclera. Came back today for IVFT, ultrasound and additional dose of cerenia. Painful on palpation of abdomen, administered buprenex IV prior to ultrasound. developed diarrhea today. still has an appetite

SPECIES

Canine

BREED

Beagle Mix

Abnormal PE/Chem/CBC/UA Results: 1/25/22: RBC - 4.84 HCT - 34.1 Hemoglobin - 12.8 Lymphocytes - 2.343 Eosinophils - 0.845 Monocytes - 1.113 ALP - 86 ALT - 67 GGT - 1 T. bili - 0.2 5/2/22: RBC - 5.01 HCT - 31.2 Hemoglobin - 11.7 Lymphocytes - 0.98 Eosinophils - 0.03 Monocytes - 1.76 ALP - >2000 ALT - 2526 GGT - 45 T. bili - 7.1

SEX

Spayed Female

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

AGE

15 years

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

WEIGHT

28.8 lbs

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 5.13 cm. The right kidney measured 5.2 cm.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Goodman

HOSPITAL NAME

Evendale Blue Ash Pet Hospital

Adrenal Glands

The left **adrenal gland** was visualized and recognized as having largely normal shape, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The left adrenal gland was enlarged and measured 0.8 cm. The right adrenal gland is not visualized.

REFERRING VET

Dr. Wehmer

Spleen

The **spleen** was not visualized as it was previously removed.

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30108

Liver

DATE

5/3/22

The **liver** revealed coarse architecture with increased portal markings. The liver had irregular contour. This is consistent with chronic inflammatory hepatopathy. The gallbladder revealed minor polyps and minor calculi. The gallbladder was mildly over distended and measured up to 0.4 cm. This is not overtly



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pathological. The common bile duct was not overtly visible and may be obstructed by the underlying mass. A separate hepatic lymph node enlargement was noted and measured 1.0 cm.

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Gastrointestinal

Minor excessive **gastrointestinal** gas was noted. The intestines were free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. Soft stool was noted in the colon with minor colonic thickening. The colonic wall measured 0.4 cm.

BREED

Beagle Mix

Pancreas

The **pancreas** was largely unremarkable with uniform parenchyma and minor remodeling. A 2.5 x 2.0 cm, hypoechoic, ill-defined, undifferentiated mass was noted at the right pancreatic base. The mass is undifferentiated. Exact origin could not be ascertained; however, it is suspected to be pancreatic in origin.

SEX

Spayed Female

AGE

15 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

28.8 lbs

Mass in the region of the right pancreatic limb.

Heterogenous liver with hepatic lymphadenopathy.

Concurrent gallbladder calculi and polyps.

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Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a strong potential for hepatic infiltrative disease versus cholangitis. FNA of the mass and liver is indicated after coagulation panel. The prognosis is warranted depending on cytology results.

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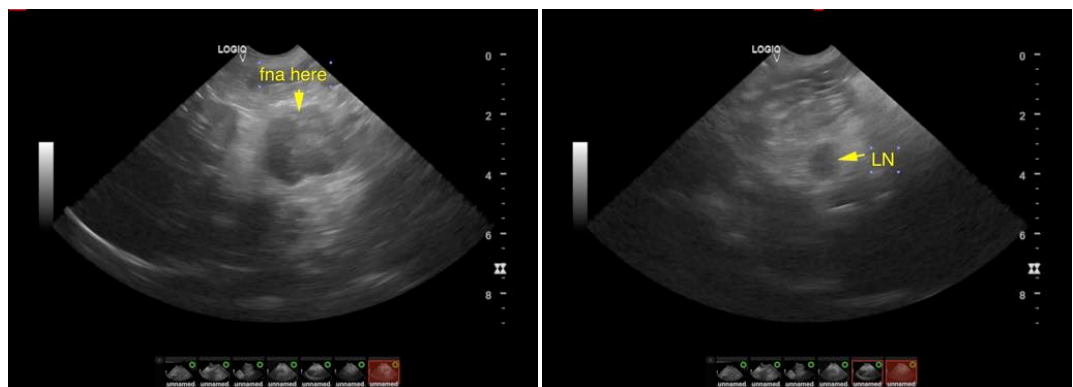
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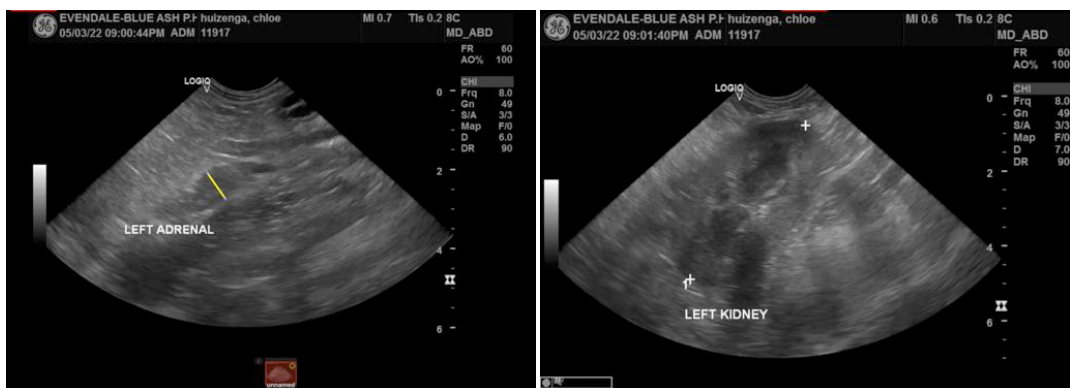
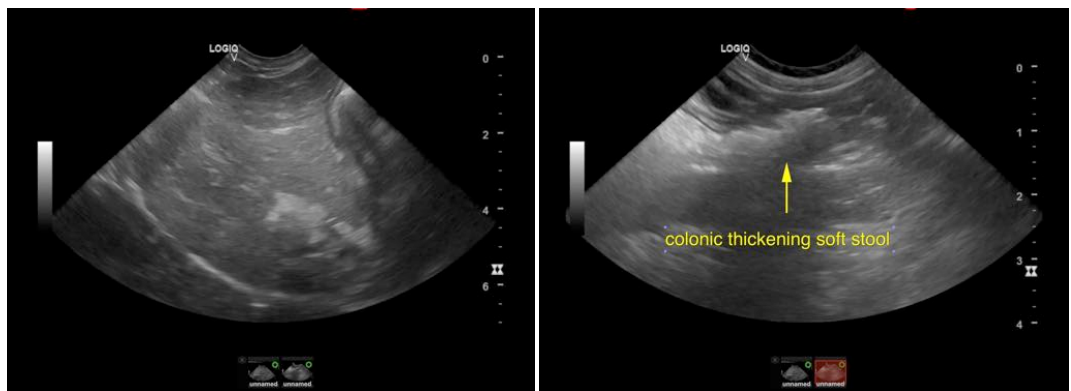
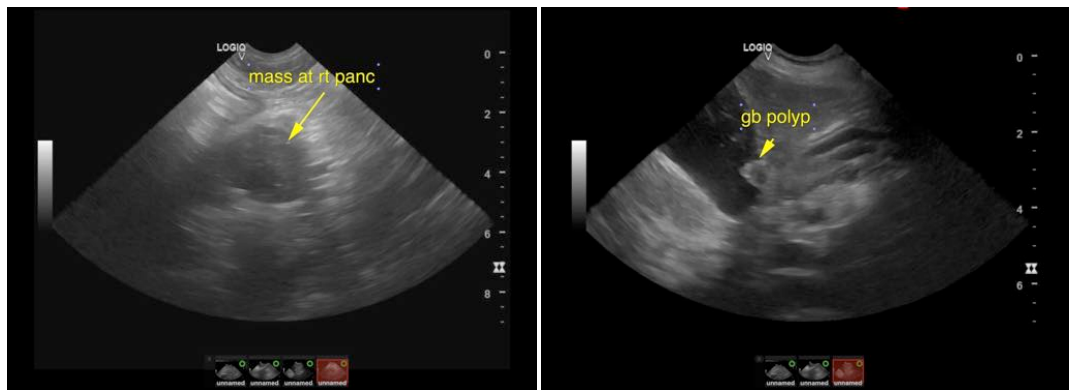
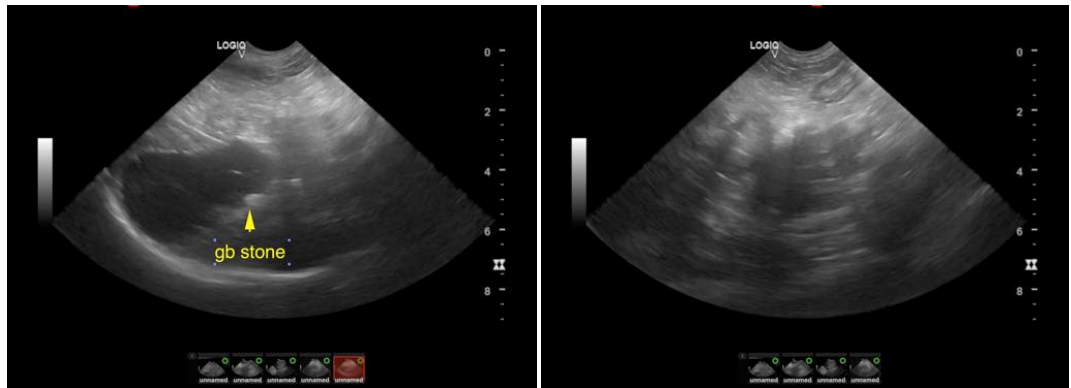
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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