



PATIENT PRESENTING CLINICAL SIGNS

Callie Shanahan-Belisle Chronic vomiting. Is eating. No diarrhea. Hx fluid.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline Urinary System

Feline The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.

BREED DSH Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. Scant pyelectasia was present in the right kidney. The left kidney measured 3.7 cm in length. The right kidney measured 3.3 cm in length.

SEX FS The area of the aortic trifurcation was free of pathology.

AGE 13yr **Adrenal Glands**

WEIGHT 8.35lb The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.34 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.37 cm width.

Spleen

INTERPRETED BY R. McKenzie Daniel, DVM, DABVP (Canine and Feline) 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. The spleen measured 0.66 cm in width at the level of the hilus.

IMAGING PERFORMED BY Liver

Pamela Harrigan, RDCS The liver presented increased in size. The parenchyma of the liver was subjectively increased in echogenicity compared to the spleen and renal cortices. The echotexture of the liver parenchyma was uniform with a mild coarse echotexture. The capsule of the liver was symmetrical in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion.

HOSPITAL NAME VCA Hanson The gallbladder was non-distended in size with primarily anechoic luminal content. The common bile duct was mildly dilated and tortuous without overt post hepatic obstruction. The dilation did not appear to extend to the level of duodenal papilla. The common bile duct measured 0.35 cm diameter.

REFERRING VET Gastrointestinal

Dr. Jewett The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material. The gastric body wall measured 0.29 cm in width.

INVOICE 11893ag 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 duodenum wall measured 0.24 cm width. The jejunum wall measured 0.24 cm width. The ileocolic wall measured 0.30 cm width.

DATE 10/17/2022



PATIENT

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

SPECIES

Feline

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.

BREED

DSH

Free Abdomen

No omental masses or peritoneal effusion was present.

SEX

FS

Several to multiple enlarged colic lymph nodes were present. These lymph nodes were homogenous, mildly hypoechoic and smoothly marginated. A normal width: length ratio was maintained (<0.5). Subtle evidence of perilymphatic inflammation was evident. An example of lymph node size was 0.9 cm x 0.43 cm.

AGE

13yr

ULTRASONOGRAPHIC FINDINGS

- Uniform increased hepatic parenchyma echogenicity
- Mild non-obstructive CBD dilation
- Mild age-related renal changes
- Overtly normal GI tract/pancreas
- Mild colic lymphadenopathy-subjectively benign/reactive, suspect mild hyperplasia or reactive lymphadenitis

WEIGHT

8.35lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

The increased hepatic parenchyma echogenicity was non-specific yet may suggest cholangiohepatitis in conjunction with mild non obstructive CBD dilation, vacuolar hepatic changes, lipidosis or other hepatopathy with round cell infiltrative neoplasia considered less likely. Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology is warranted. Vit K administration is suggested prior to hepatic sampling if elected.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

Dietary intolerance / food hypersensitivity, occult parasitism, structurally insignificant gastroenteropathy or low-grade pancreatitis may be possible. A GI panel to include PLI/TLI/Cobalamin/Folate is warranted.

HOSPITAL NAME

VCA Hanson

Empirically, a canned limited antigen or hydrolyzed diet trial with potential long term dietary therapy, prophylactic deworming (Panacur 50 mg/kg SID x 5 consecutive days with repeat protocol in 3 weeks even if fecal testing is negative) if clinically indicated and continued as needed gastrointestinal support with assessment of clinical response may prove beneficial.

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Dr. Jewett

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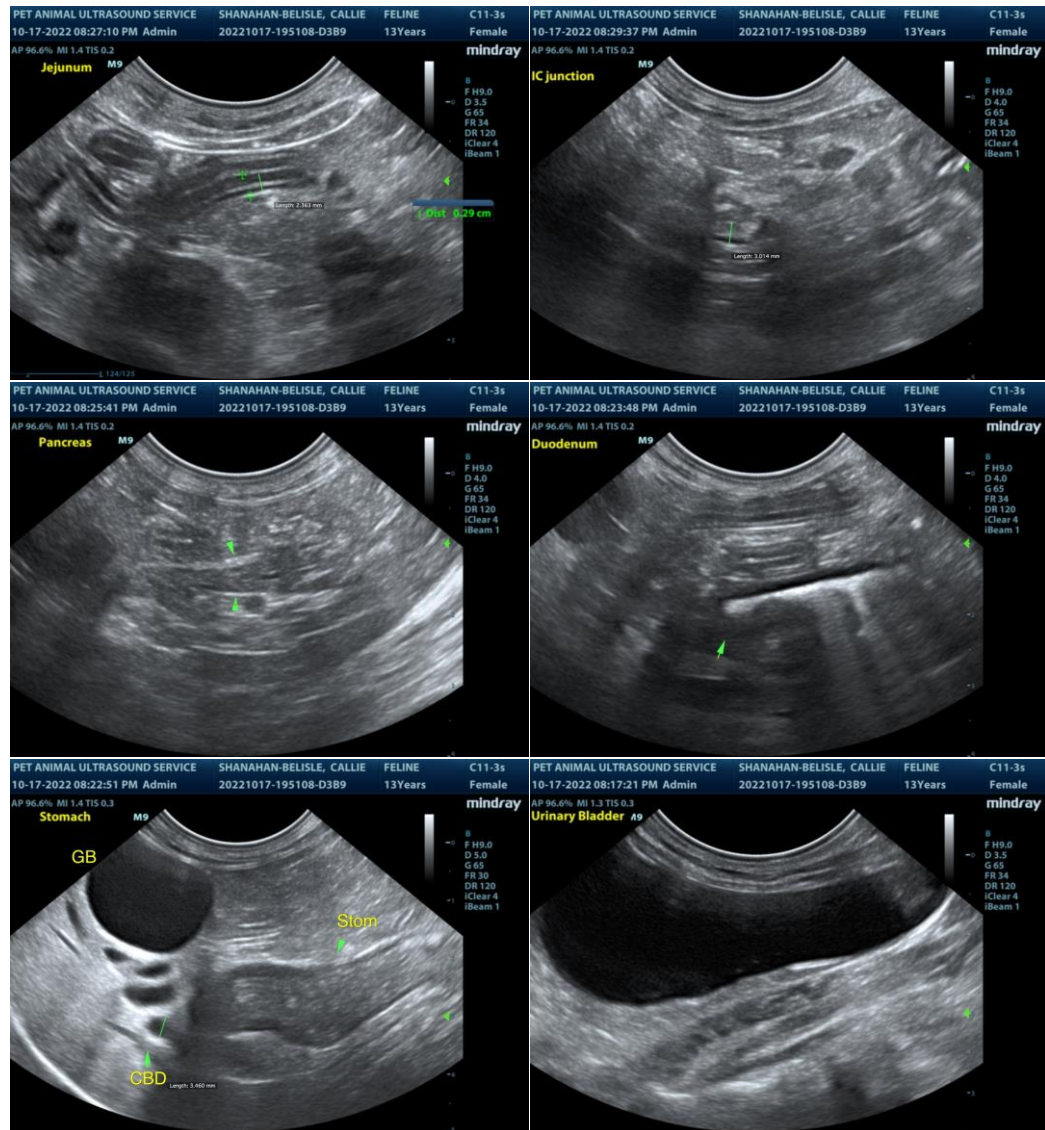
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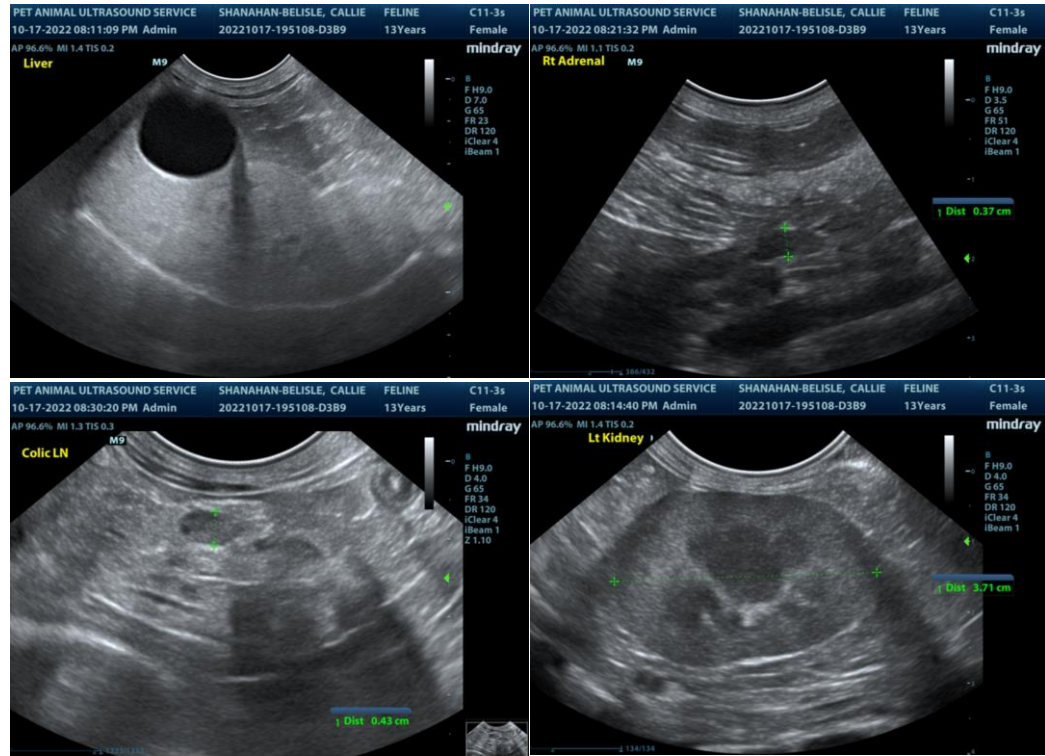
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
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