



PATIENT PRESENTING CLINICAL SIGNS

Stella Hillegas History: Intermittent diarrhea since 4.2020
 Diarrhea PCR neg. Folate 20.2, Glob 5.4, unremarkable CBC.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline **Urinary System**

BREED

Domestic Shorthair

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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

FS

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. A mild hyperechoic corticomedullary band, consistent with a medullary rim sign, was present. This is a nonspecific finding seen in both normal and abnormal kidneys. It may be associated interstitial renal disease, hypercalcemia, tubular necrosis, lymphoma, and FIP. However, it is likely an idiopathic finding. The left kidney measured 3.5 cm. The right kidney measured 3.8 cm.

AGE

2 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

7.5 Pounds

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.33 cm in width. No overt pathology in the area of the right adrenal gland.

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

Rebekah Jakum, CVT
 ARDMS/RVT

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.

HOSPITAL NAME

Cherryville AH

Gastrointestinal

REFERRING VET

Dr. Myers

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. Gastric body wall measured 0.26 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 ileus, obstruction or foreign material. Jejunum wall measured 0.25 cm.

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

DATE

9.29.2021



PATIENT *Pancreas*

Stella Hillegas 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.

SPECIES *Free Abdomen*

Feline Focal, mildly prominent to enlarged medial iliac and several colic nodes were present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5).

BREED

Domestic Shorthair No peritoneal effusion.

SEX **ULTRASONOGRAPHIC FINDINGS**

FS

- Bilateral non-specific mild renal medullary rim sign
- Sonographically unremarkable gastrointestinal tract and colon
- Focal subjectively benign/reactive colic and medial iliac lymphadenopathy – not consistent with inflammatory or neoplastic criteria.

AGE

2 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

7.5 Pounds

The mildly elevated folate, although non-specific, may suggest structurally insignificant intestinal disease in this patient. Additional considerations may include dietary intolerance/food hypersensitivity, occult parasitism (if the patient is indoor/outdoor). Given the negative diarrhea PCR, dietary therapy is likely important in this case with considerations including transition to a bland limited antigen or hydrolyzed diet with as-needed gastrointestinal support +/- antibiotic trial such as Metronidazole. Although not evident in this study, potential for low-grade colitis is also possible, given the intermittent blood-tinged diarrhea.

INTERPRETED BY

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REFERRING VET

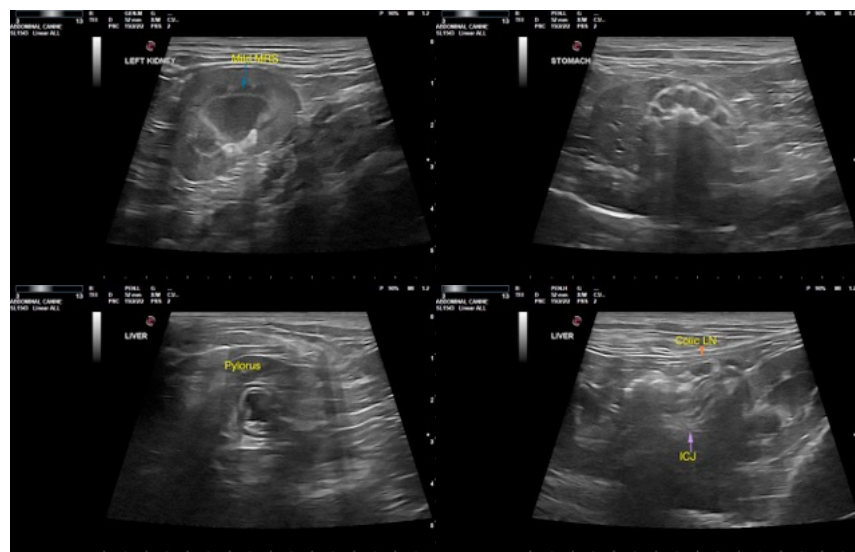
Dr. Myers

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PATIENT

Stella Hillegas

SPECIES

Feline

BREED

Domestic Shorthair

SEX

FS

AGE

2 years

WEIGHT

7.5 Pounds

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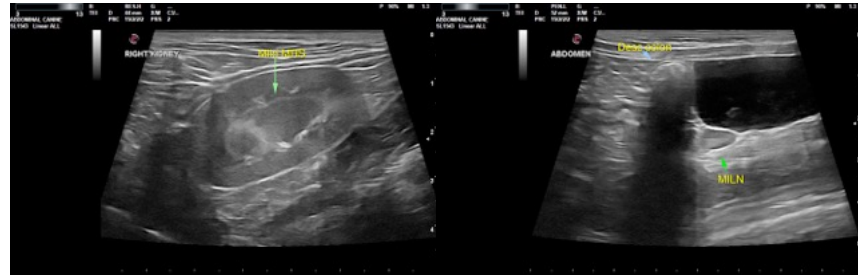
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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