



**PATIENT PRESENTING CLINICAL SIGNS**

Miss Kitty Curiale

Presented for inappetence. The owner has tried offering a variety of foods but she has only ate a few treats yesterday. Her water intake has been increased. She vomited once 3 days ago but none since then. Indoor only -Managed hyperthyroid with transdermal methimazole

**SPECIES**

Feline

Abnormal PE/Chem/CBC/UA Results: CBC: WBC 11,870, PCV 40%, TS 7.2 g/dL Chemistry profile: ALP 199, ALT 1451, TBIL 0.7, PHOS 3, GLU 177 --> hepatopathy - r/o neoplasia, pancreatitis, infectious, triaditis, hepatic lipidosis Also had Ultrasound with you on 8/13/2021 Current Medications Convenia inj-given 1/28/22, Methimazole transdermal gel q 12 hours, Gabapentin 100mg @ 8AM today

**BREED**

DSH

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**SEX**

**Urinary System**

Spayed Female

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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.

**AGE**

15 Years

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

8.81 Pounds

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.8 cm. The right kidney measured 3.9 cm.

**INTERPRETED BY**

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

**Adrenal Glands**

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.29 cm in width. The right adrenal gland measured 0.27 cm.

**IMAGING PERFORMED BY**

Sara Hansen

**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.

**HOSPITAL NAME**

VCA Salem AH

**Liver**

The liver was normal in size and contour with normal hepatic parenchyma echogenicity exhibiting mild coarse echotexture. Subtle increased prominence of the portal vascular borders noted. No hepatic masses or nodules. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Hallden

**Gastrointestinal**

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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 0.25 cm.

**DATE**

2/1/22

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 0.26 cm. Duodenum wall measured 0.30 cm.



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

Miss Kitty Curiale **Pancreas**

**SPECIES** The left limb of the pancreas exhibited subtle prominent size and asymmetrical contour with isoechoic to mildly heterogeneous parenchyma compared to adjacent omentum.

Feline **Free Abdomen**

**BREED** No omental masses, lymphadenopathy or effusion.

DSH **ULTRASONOGRAPHIC FINDINGS**

**SEX**

- Hepatopathy – subjectively benign, sonographically unremarkable gallbladder and common bile duct
- Subjective mild prominent to mild heterogeneous left pancreas – non-specific, patient or age related variant, potential for low-grade chronic to chronic active pancreatitis.
- Overtly normal gastrointestinal tract
- Mild chronic renal changes

Spayed Female

**AGE**

15 Years

### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

**WEIGHT**

8.81 Pounds

Overall, the appearance of the liver was non-specific, yet consistent with benign, likely chronic hepatopathy. Considerations may include inflammatory hepatic parenchymal or hepatobiliary process (non-specific hepatitis/cholangiohepatitis), vacuolar hepatic changes, non-clinical/non-obstructive cholestasis, with neoplasia considered unlikely.

**INTERPRETED BY**

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DVM, DABVP  
(Canine and Feline)

Assuming normal clotting status, ultrasound guided FNA of the liver using 25-gauge needle could be considered for further clarification and potential identification of inflammatory cell type if present. GI panel to include PLI, TLI, cobalamin and folate warranted for further assessment of the pancreas as well as assessment of occult gastrointestinal disease as potential cause of the patient's clinical signs.

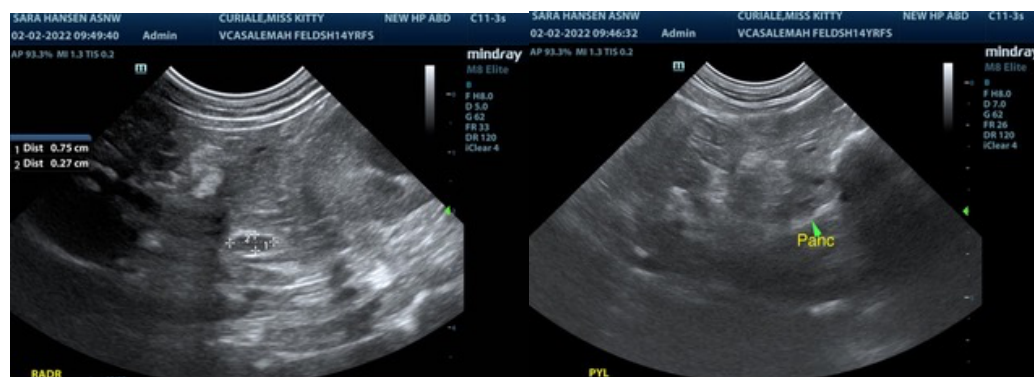
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Empirically, continued gastrointestinal support with potential for cholangiohepatitis/pancreatitis (Triaditis) therapy protocol could be considered with assessment of clinical response.

**HOSPITAL NAME**

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**REFERRING VET**

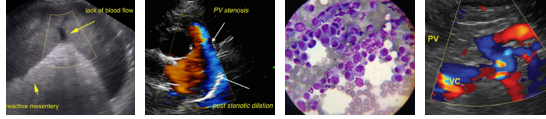
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**DATE**

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**PATIENT**

Miss Kitty Curiale

**SPECIES**

Feline

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**SEX**

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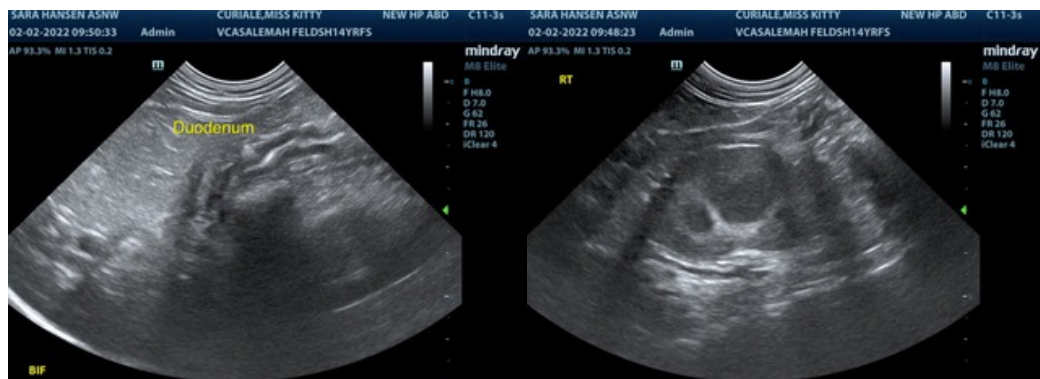
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**DATE**

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**PATIENT**

Miss Kitty Curiale

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.

**SPECIES**

Feline

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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DSH

info@SonoPath.com

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