



PATIENT

Elli Lyle

SPECIES

Feline

BREED

DSH

SEX

FS

AGE

10yr

WEIGHT

6.78

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Fearing

HOSPITAL NAME

Lanier Animal
Hospital

REFERRING VET

Dr. Fearing

INVOICE

11241a

DATE

07/29/2022

PRESENTING CLINICAL SIGNS

History: ~1 week hx of icterus, intermittent vomiting, appetite steadily decreasing, weight loss Hx of seizures in 2019-2020, resolved >12 months ago with herbal supplements. High liver values noted when working up seizures. Doing clinically well at home in the interim years. On no meds/supplements in recent hx prior to 7/21/22. Since 7/21/22 being tx with Cerenia, Clavamox, Zeniquin, Metro with no clinical improvement seen.

Abnormal PE/Chem/CBC/UA Results: 7/21/22 = high liver values (ALT = 529, ALP = 205, GGT = 12, TBIL = 9.8); hyperglobulinemia (6.1); CBC/T4/UA unremarkable FNA of liver pending P has hx of elevated liver enzymes as far back as Jan-March of 2020 (ALKP = 116, ALT = 584, GGT = 6; normal pre- and post-prandial bile acids).

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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.

Normal size and margination was 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. No evidence of pelvic dilation was present. The left kidney measured 4.0 cm in length. The right kidney measured 4.1 cm in length.

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.32 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.31 cm width.

Spleen

The spleen exhibited borderline enlarged size with subtle parenchyma heterogeneity. 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. The spleen measured approximately 1.0 cm in width at the level of the hilus.

Liver

The liver was subjectively enlarged in size with rounded hepatic contour. Generalized mildly nonuniform to remodeled parenchyma exhibiting signs of variable lobar biliary tree dilation with potential for intermittent parenchymal cysts was present.

The gallbladder was mild to moderately distended in size with thin walls and primarily anechoic luminal content with mild luminal mineral.

The cystic and common bile ducts exhibited moderate to marked tortuous dilation containing anechoic content with focal areas of CBD mineral extending caudally. The CBD dilation measured 0.6 cm in width. The area of the duodenal papilla was not definitively visualized.



PATIENT

Gastrointestinal

Elli Lyle

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 0.25 cm in width.

SPECIES

Feline

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. Segmental propensity for subtly prominent muscularis layer yet without evidence of mural hypertrophy, loss of wall layering or masses. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

BREED

DSH

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

Pancreas

SEX

FS

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

AGE

10yr

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

6.78

- Hepatomegaly exhibiting evidence of variable lobar biliary tree dilation
- Moderately distended gallbladder containing mild luminal mineral
- Diffuse moderate to marked CBD dilation with mild luminal mineral
- Possible low grade to mild chronic pancreatitis
- Subjective gastroenteritis pattern, possible inflammatory bowel
- Borderline splenomegaly
- Mild chronic renal changes

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Dr. Fearing

Concern for post hepatic obstruction given the degree of CBD dilation in combination with lobar biliary tree dilation is warranted. The CBD dilation could also be secondary to age related CBD changes or chronic cholangitis which may at times result in anorexia and lethargy. Correlation with degree of hepatic enzyme elevations and icterus is suggested. Potential for chronic triad disease could also be a consideration for this patient. A GI panel to include PLI/TLI/Cobalamin/Folate is recommended.

HOSPITAL NAME

Lanier Animal
Hospital

Referral for further assessment of the area of the CBD with potential for exploratory laparotomy with gross inspection of the CBD, CBD flush vs redirection technique and hepatic/gastrointestinal biopsies may be indicated.

REFERRING VET

Dr. Fearing

INVOICE

11241a

DATE

07/29/2022



PATIENT

Elli Lyle

SPECIES

Feline

BREED

DSH

SEX

FS

AGE

10yr

WEIGHT

6.78

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Fearing

HOSPITAL NAME

Lanier Animal
Hospital

REFERRING VET

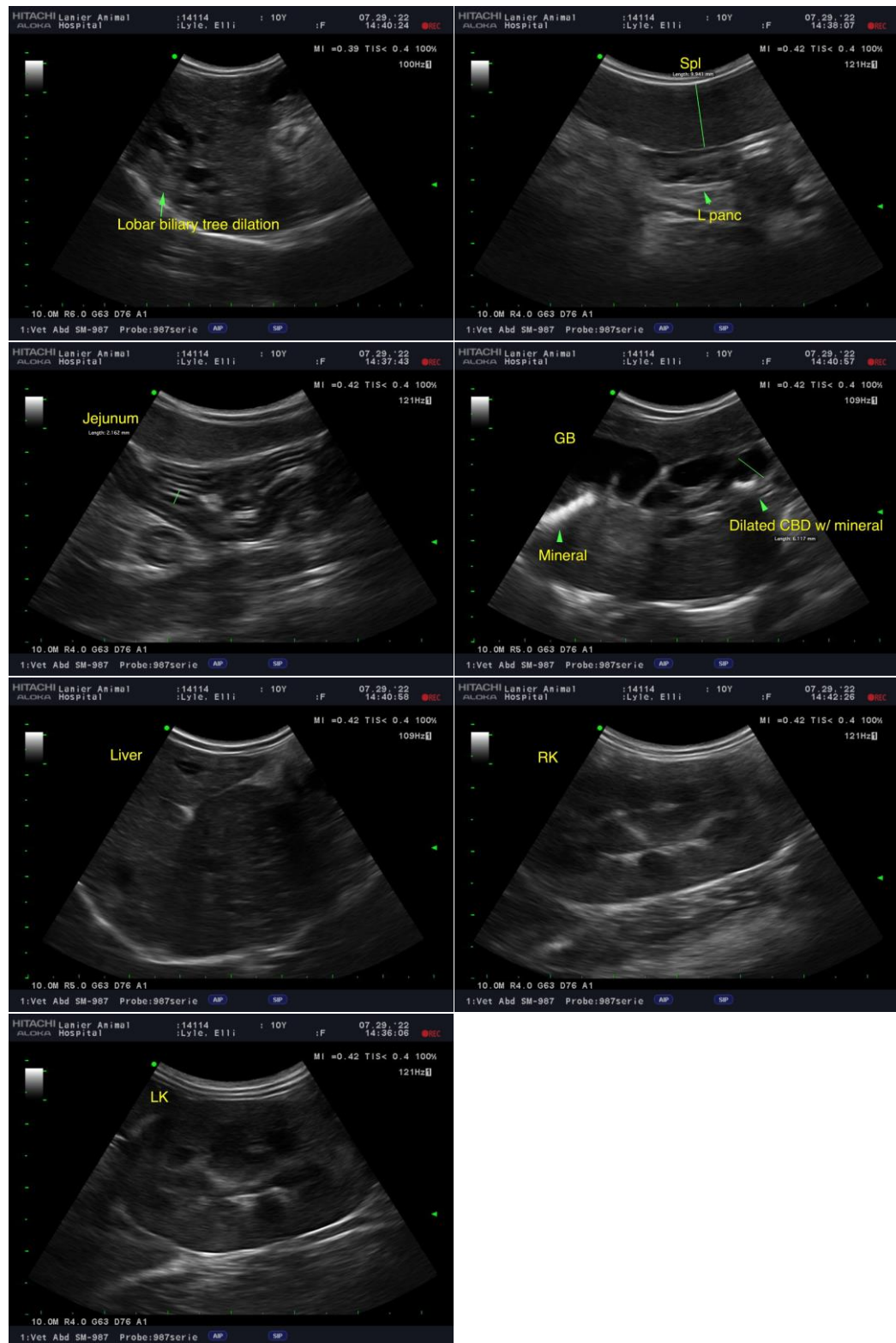
Dr. Fearing

INVOICE

11241a

DATE

07/29/2022



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.



PATIENT

Elli Lyle

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)

SPECIES

Feline

info@SonoPath.com

BREED

DSH

SEX

FS

AGE

10yr

WEIGHT

6.78

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Fearing

HOSPITAL NAME

Lanier Animal
Hospital

REFERRING VET

Dr. Fearing

INVOICE

11241a

DATE

07/29/2022