



**PATIENT**

Bernie Clift

**PRESENTING CLINICAL SIGNS**

Chronic intermittent diarrhea last 4 months bright and alert with good appetite.

Abnormal PE/Chem/CBC/UA Results: Non diagnostic CNC and Chem with T4 normal

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

DSH

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.

**SEX**

MN

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. No evidence of pelvic dilation was present. The left kidney measured 3.5 cm in length. The right kidney measured 4.2 cm in length.

**AGE**

14yr

The area of the aortic trifurcation was free of pathology.

**Adrenal Glands**

**WEIGHT**

5.5kg

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.47 cm width. No overt pathology in the area of the right adrenal gland.

**Spleen**

**INTERPRETED BY**

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

The spleen exhibited minor asymmetrical medial capsule contour and a primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease. The spleen measured 0.82 cm in width at the level of the hilus.

**IMAGING PERFORMED BY**

Dr. Belan

**Liver/Gallbladder**

**HOSPITAL NAME**

McKnight Animal  
Hospital

The liver presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and mild non-organized hyperechoic debris. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Gruffydd

**Gastrointestinal**

**INVOICE**

13545ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained minor ingesta and luminal gas with no signs of ileus, obstruction or foreign material. The ventral gastric body wall measured 0.27 cm in width.

**DATE**

04/21/2023

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



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measured 0.22 cm width. The jejunum wall measured 0.22 cm width. The ileocolic wall measured 0.28 cm width.

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

## SPECIES

### Pancreas

Feline

The left and right pancreatic limbs were mildly prominent in size with mild capsule asymmetry and non-homogenous to mixed echogenic parenchyma exhibiting hypoechoic nodules suggestive of nodular hyperplasia.

## BREED

### Free Abdomen

DSH

No omental masses or peritoneal effusion was present.

## SEX

Intermittent mildly prominent to enlarged colic lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a lymph node measured 0.55 cm.

MN

## AGE

### ULTRASONOGRAPHIC FINDINGS

14yr

- Overtly normal GI tract/colon with soft fecal matter.
- Heterogenous/nodular prominent pancreas.
- Intermittent benign/reactive colin lymph nodes.
- Mild hepatic parenchymal remodeling.
- Mild gallbladder debris.
- Mild chronic renal changes.

## WEIGHT

5.5kg

### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## INTERPRETED BY

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

Assessment for evidence of cranial abdominal/subxiphoid discomfort on palpation which may allude to chronic to chronic active pancreatitis +/- a spec fPL is recommended. No sonographic evidence of significant GI mural pathology. Dietary intolerance / food hypersensitivity, dysbiosis, or structurally insignificant inflammatory gastroenterocolopathy in conjunction with possible low grade to chronic pancreatitis are all potentials. No evidence of neoplastic criteria.

## IMAGING PERFORMED BY

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Assuming no evidence of weight loss and a normal appetite, a dietary trial i.e., hydrolyzed diet with possible long term dietary therapy and as needed high colony count probiotic such as Provable may prove beneficial. Empirical deworming is suggested if clinically indicated. Assessment of Cobalamin/Folate levels is recommended if persistent diarrhea or weight loss.

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Hospital

## REFERRING VET

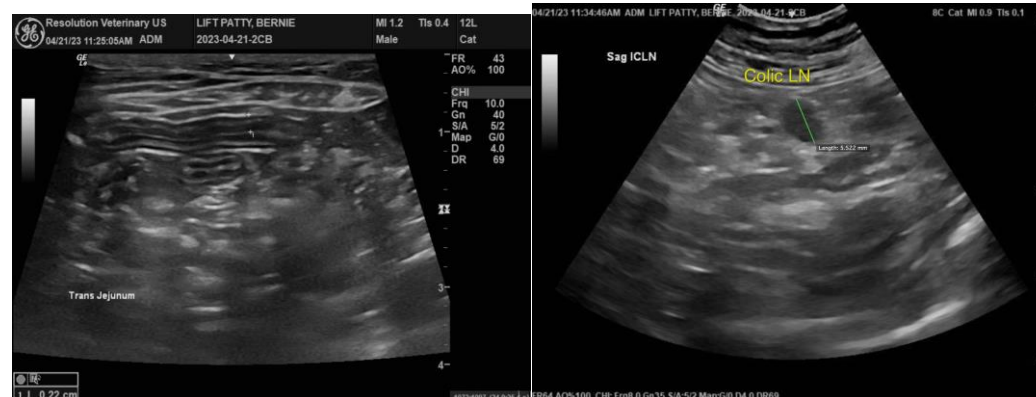
Dr. Gruffydd

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**SEX**

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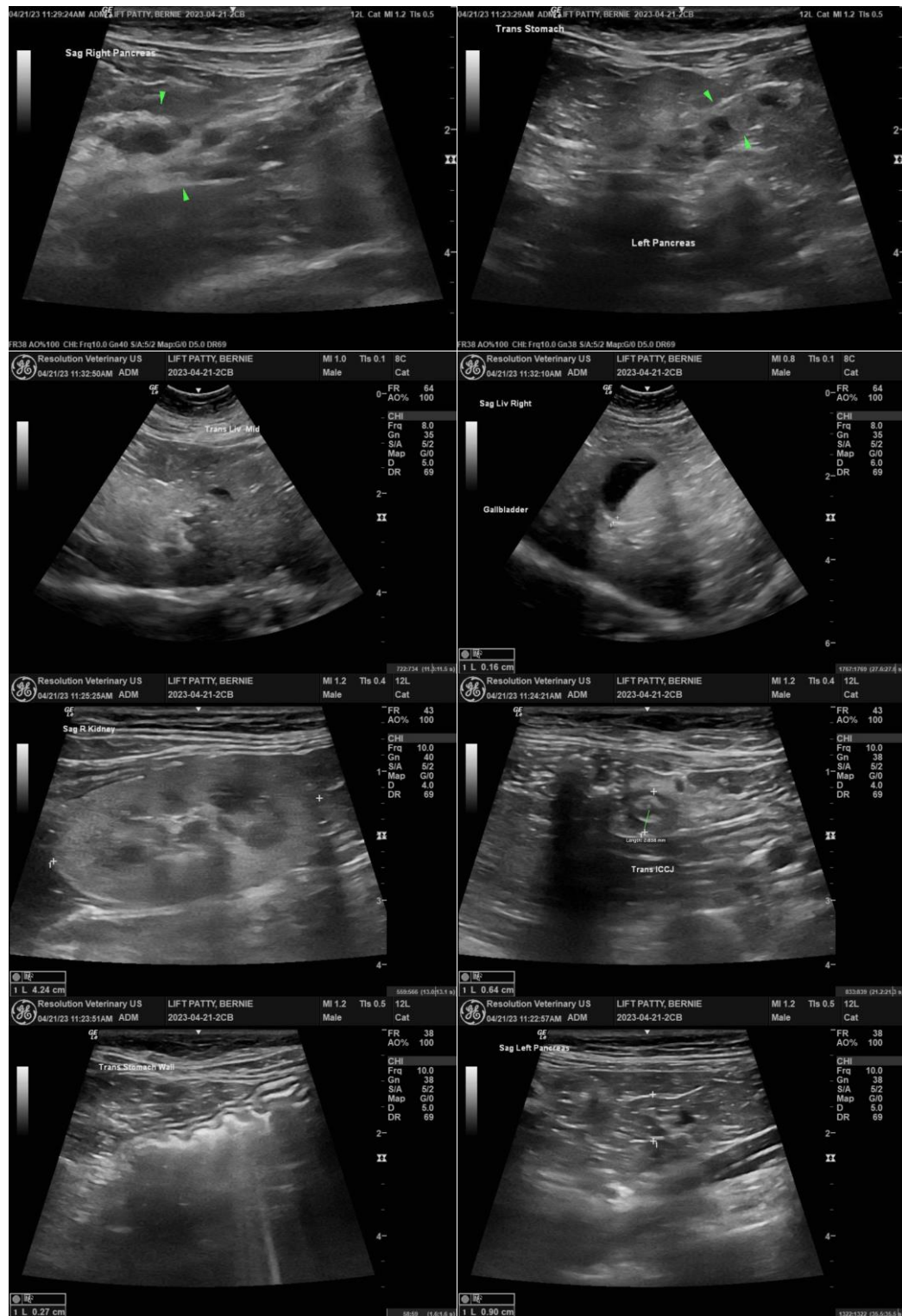
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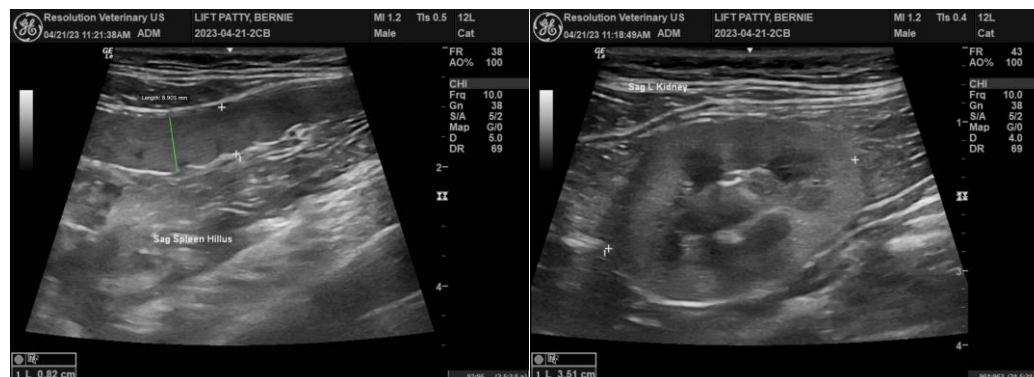
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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