



PATIENT

Rupert Wilson

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

11 years

WEIGHT

10.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosenberg

HOSPITAL NAME

London Cat Clinic

REFERRING VET

Dr. Rosenberg

INVOICE

31629

DATE

7/13/22

PRESENTING CLINICAL SIGNS

Chronic history of vomiting, historically improved with small meals. Mild weight loss and mcs loss - previously lower end N b12 levels (2020), b12 supplementation started. No further lab work done since then. Prednisolone started 1 yr ago and improved vomit as well as weight - currently on low dose 1/2 tab eod but recently incr a tad d/t incr vomit again and has lost weight and a bit of mcs since pred dose low. Overall owner feels he is doing well. Abd mass palpated during exam, mid ventral abd, slightly to left. (Previous ultrasound done for palpable mass (and vomiting) Aug/20 by boarded radiologist - see attachment

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Slight hyperechoic medullary rim sign was noted. The right kidney revealed pyelectasia. The left kidney measured 3.2 cm and the right kidney measured 3.88 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** in this patient revealed multi-focal, cystadenomatous type masses that measured up to 3.0 cm in the right cranial liver deviating the gallbladder caudally. Some mass effect was noted. There was impingement on the diaphragm, yet these are likely histopathologically benign. A separate mass measured 3.54 cm with microcystic changes. The third mass was at the caudal aspect of the left liver measuring 4.2 cm. This mass is pedunculated and at risk for torsion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.



PATIENT

Rupert Wilson

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

11 years

WEIGHT

10.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosenberg

HOSPITAL NAME

London Cat Clinic

REFERRING VET

Dr. Rosenberg

INVOICE

31629

DATE

7/13/22

Gastrointestinal

The **gastrointestinal tract** revealed minor variable thickening and echogenic submucosal changes most consistent with low grade end result of chronic GI disease such as IBD and may be related to malassimilation of nutrients if any weight loss is present. Intestinal wall thickness measured up to 0.24 cm. The mesenteric lymph nodes were enlarged and measured 0.27 cm.

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

ULTRASONOGRAPHIC FINDINGS

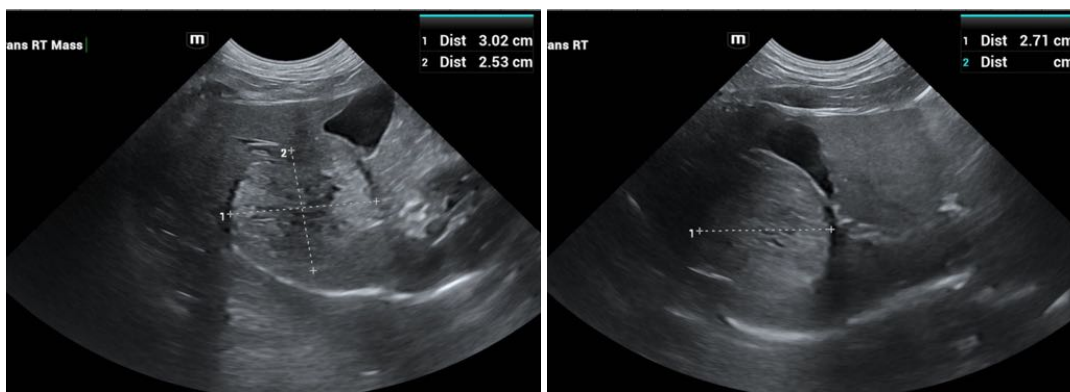
Minor intestinal thickening.

Subjectively benign, multi-focal hepatic cystadenomas.

Minor pyelectasia in the right kidney.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the parenchymal portions of the liver masses could be considered for a definitive diagnosis. However, the cystic portions are likely to be non-diagnostic. Core biopsy may be necessary. However, these are typically these are benign. The left caudal mass is pedunculated and at risk for torsion. The right cranial mass presents a mass effect upon the gallbladder, yet is not likely causing any clinical issue at this time. Symptomatic care for GI upset, inflammatory bowel and occult parasitism should prove effective in this patient. No neoplastic criteria is met in the GI tract or elsewhere other than the hepatic masses.





PATIENT

Rupert Wilson

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

11 years

WEIGHT

10.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Rosenberg

HOSPITAL NAME

London Cat Clinic

REFERRING VET

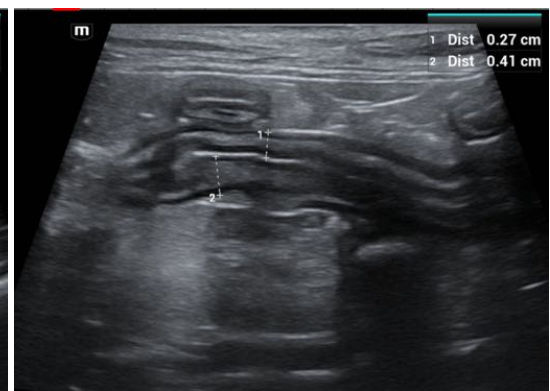
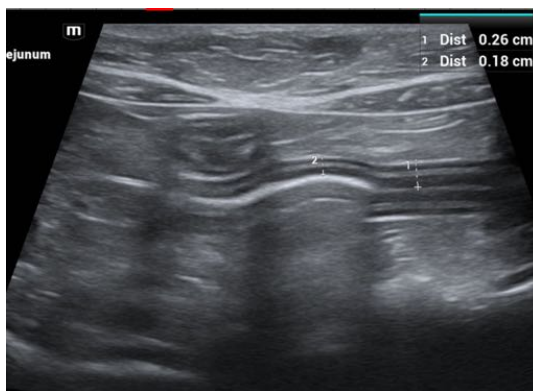
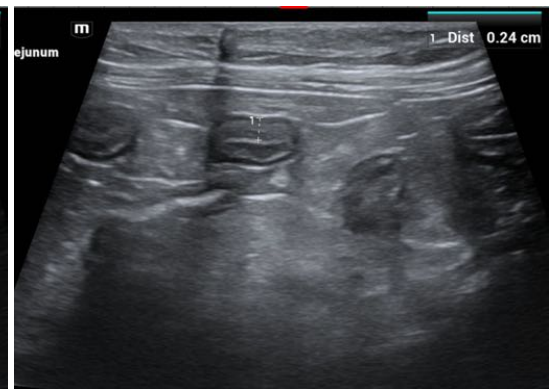
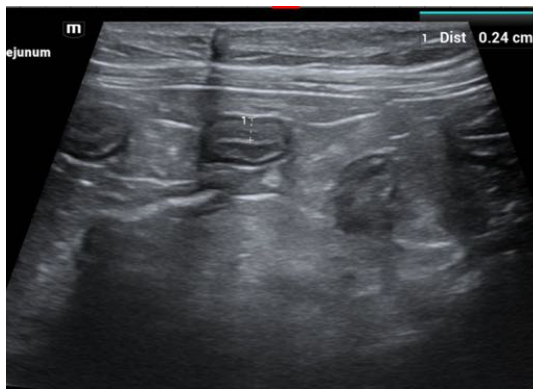
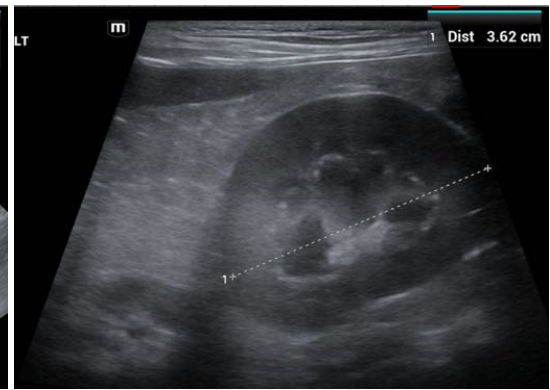
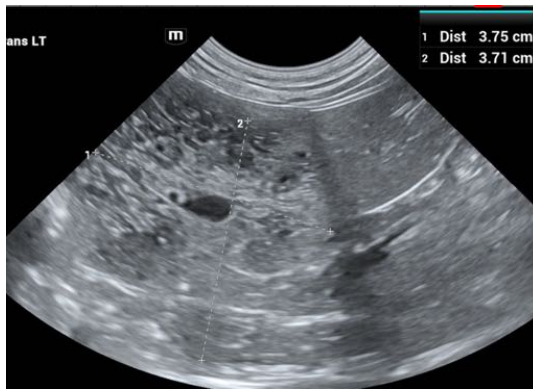
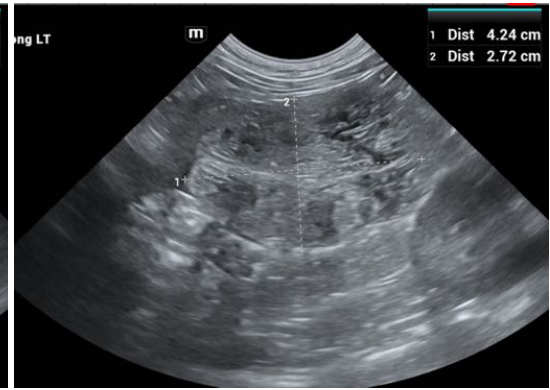
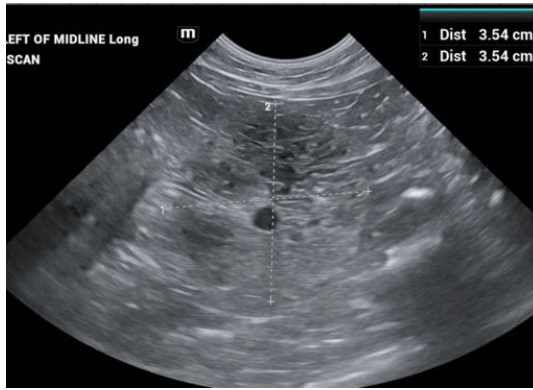
Dr. Rosenberg

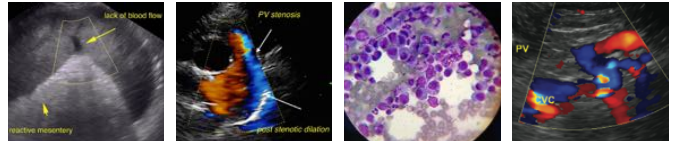
INVOICE

31629

DATE

7/13/22





PATIENT

Rupert Wilson

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.

BREED

Domestic Shorthair

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

SEX

Neutered male

AGE

11 years

WEIGHT

10.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Rosenberg

HOSPITAL NAME

London Cat Clinic

REFERRING VET

Dr. Rosenberg

INVOICE

31629

DATE

7/13/22