



PATIENT

Muffin Hertzler

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

8 years

WEIGHT

4.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

Dr. Brubaker

INVOICE

39684

DATE

9/28/22

PRESENTING CLINICAL SIGNS

History: Weight loss, decreased energy level. Patient has always been an outside cat. Owner has only recently been able to pet patient - owner is concern this may be indicative of decreased health. Weight loss was first noted ~ 1 week ago. Patient was given dewormer at that point but weight loss continued. Patient is still eating and drinking.

Abnormal PE/Chem/CBC/UA Results: FeLV/FIV - neg/neg HCT 23% Neutrophilia 27k SDMA 40 BUN and Creat wnl GGT 14

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 moderate degenerative changes with cortical infarcts, loss of corticomedullary definition and pinpoint mineralization. The right kidney measured 3.84 cm. The left kidney measured 3.89 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. The left adrenal gland measured 0.49 cm. The right adrenal gland measured 0.7 cm.

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 right cranial **liver** revealed a hyperechoic 3.4 cm mass with transdiaphragmatic view demonstrating multi-focal, shower curtain or comet tail lung pattern. The mass is moderately vascular. The remainder of the liver presented increased portal markings and an echogenic gallbladder wall.



PATIENT

Gastrointestinal

Muffin Hertzler

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. No obvious neoplastic patterns were noted and luminal content as unremarkable.

SPECIES

Feline

BREED

Domestic Shorthair

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 subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

SEX

Spayed female

AGE

8 years

ULTRASONOGRAPHIC FINDINGS

Right cranial liver mass. Suspect carcinoma with a potential of a benign tumor.

Moderate degenerative renal changes with infarcts, interstitial nephrosis pattern, prominent pancreas and comet tail lung pattern.

WEIGHT

4.7 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the liver mass is recommended. Chest radiographs are warranted if not already performed. The prognosis is guarded.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

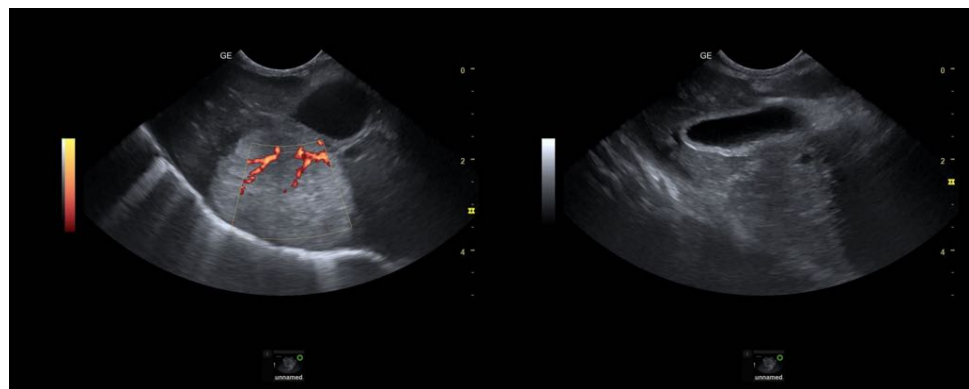
Dr. Brubaker

INVOICE

39684

DATE

9/28/22





PATIENT

Muffin Hertzler

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

8 years

WEIGHT

4.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUS

IMAGING PERFORMED BY

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

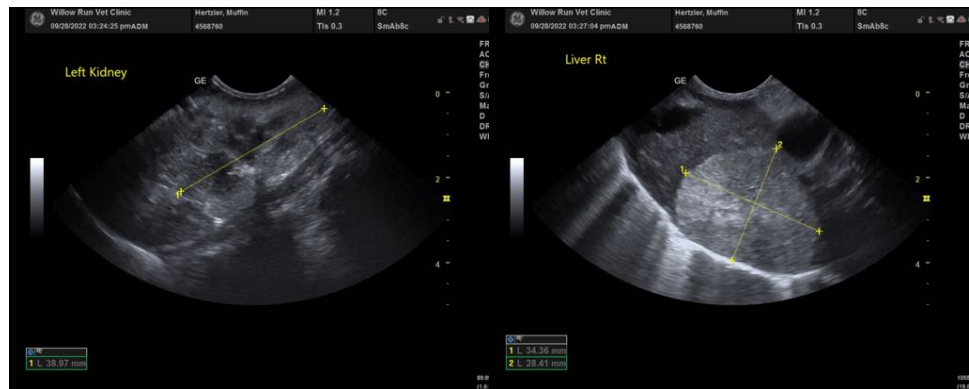
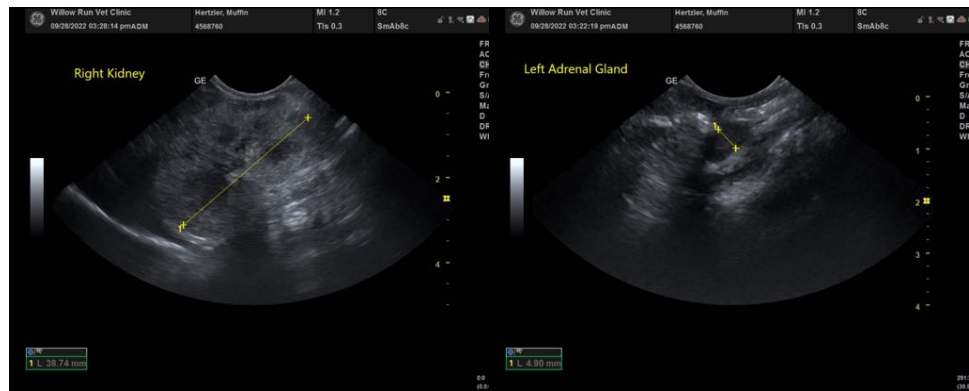
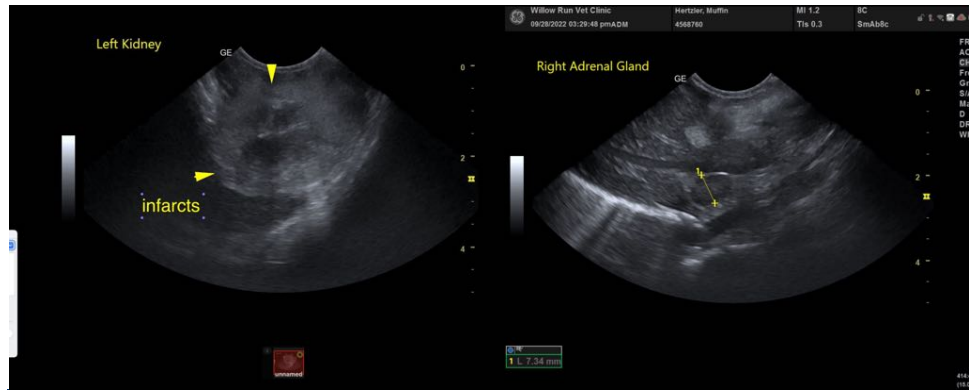
Dr. Brubaker

INVOICE

39684

DATE

9/28/22



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



PATIENT

can be of any further assistance please contact me.

Muffin Hertzler

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

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed female

AGE

8 years

WEIGHT

4.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Jack Reese

HOSPITAL NAME

Willow Run VC

REFERRING VET

Dr. Brubaker

INVOICE

39684

DATE

9/28/22