



PATIENT

Leo Quiggle

PRESENTING CLINICAL SIGNS

History: weight loss, good appetite,
Abnormal PE/Chem/CBC/UA Results: jaundice, wasting, ALT 383, Alkphos 660, AST 126, GGT 8, bilirubin 7.8 T4 1.8

SPECIES

Feline

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.

BREED

Domestic Shorthair

SEX

Neutered male

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 and no evidence of pelvic dilation was present. The left kidney measured 3.5 cm. The right kidney measured 3.98 cm.

AGE

15 Years

WEIGHT

9 lbs

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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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.

IMAGING PERFORMED BY

Dr. Grau

HOSPITAL NAME

Fredon AH

Liver

The **liver** is diffusely hyperechoic to the falciform fat. The parenchyma was granular with irregular swelling noted. There was no evidence of post hepatic obstruction. The gallbladder and common bile duct were unremarkable.

REFERRING VET

Dr. Grau

INVOICE

44748

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

DATE

6/14/23



PATIENT

malassimilation of nutrients if any weight loss is present. No obvious neoplastic patterns were noted and luminal content as unremarkable.

Leo Quiggle

SPECIES

Pancreas

Feline

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.

BREED

Domestic Shorthair

SEX

ULTRASONOGRAPHIC FINDINGS

Neutered male

Hepatic lipidosis pattern with potential for underlying neoplasia.
Minor intestinal thickening.

AGE

Age related abdominal changes otherwise.

15 Years

WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

9 lbs

Ultrasound-guided FNA after coagulation panel is strongly encouraged to assess lipidosis versus underlying round cell neoplasia/lymphoma. Given the age and clinical presentation I am very concerned for underlying neoplasia despite the lipidosis type presentation, which can obscure underlying round cell neoplasia. Coagulation panel, 25-gauge FNA of the hepatic parenchyma for cytology as well as a separate FNA for culture would be appropriate.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Grau

HOSPITAL NAME

Fredon AH

REFERRING VET

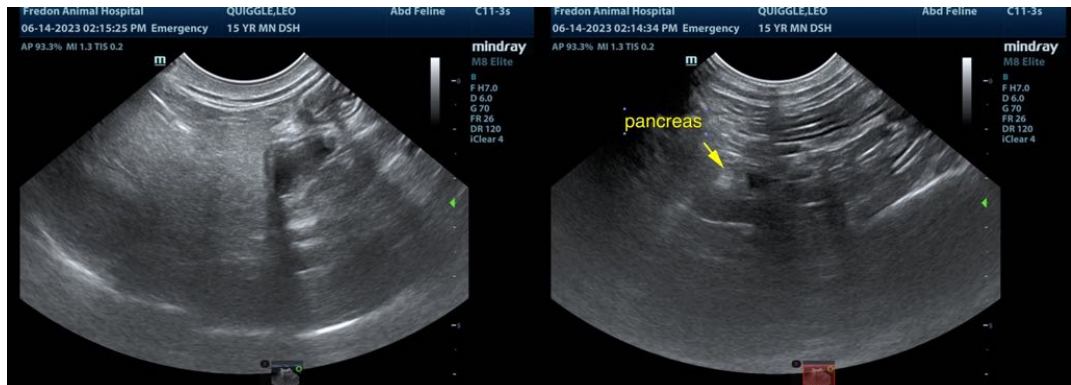
Dr. Grau

INVOICE

44748

DATE

6/14/23





PATIENT

Leo Quiggle

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

15 Years

WEIGHT

9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Grau

HOSPITAL NAME

Fredon AH

REFERRING VET

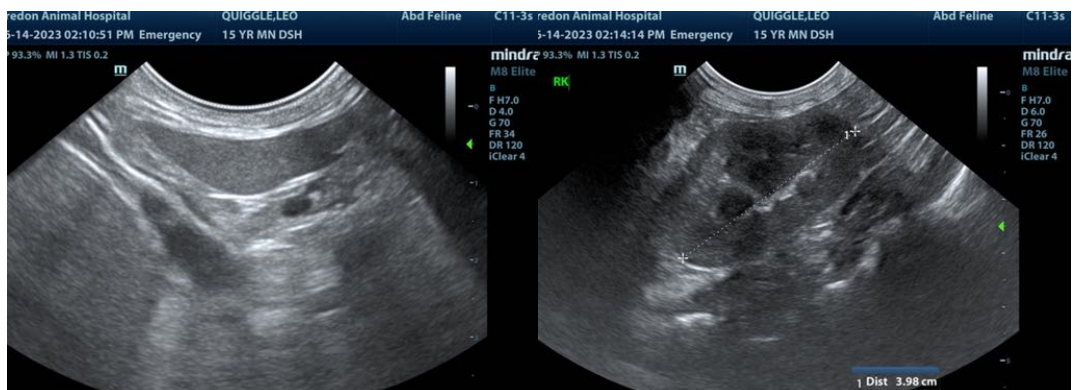
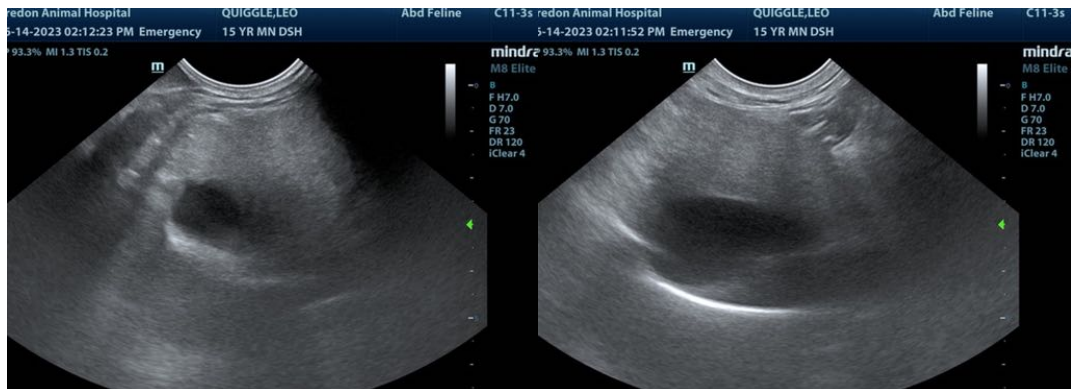
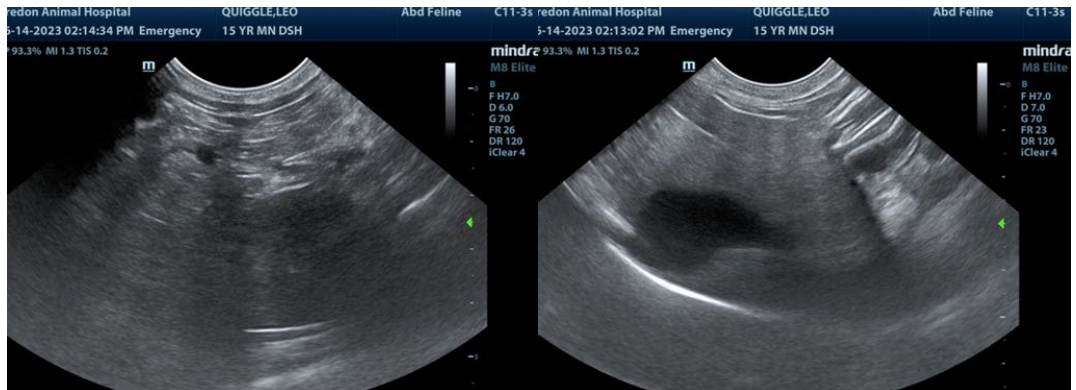
Dr. Grau

INVOICE

44748

DATE

6/14/23





PATIENT

Leo Quiggle

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

15 Years

WEIGHT

9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Grau

HOSPITAL NAME

Fredon AH

REFERRING VET

Dr. Grau

INVOICE

44748

DATE

6/14/23

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.

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