



PATIENT

Sookie Strongwater

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

11 years

WEIGHT

56 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Animal General on Hudson

REFERRING VET

Dr. Zelinski

INVOICE

96278

DATE

2/23/22

PRESENTING CLINICAL SIGNS

Elevated liver enzymes, mildly elevated BUN/Creat., high UPC, slightly elevated bile acids. History of seizures on Zonisamide 100mgs BID, Keppra ER 750mgs BID. ALT 153, AP 2027, BUN 49, creat. 1.7. U/A: 4+ urine, USG 1.031, UPC 3.4.

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 6.13 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 right adrenal gland measured 1.65 x 0.72 cm at the caudal pole and 0.44 cm at the cranial pole. The left adrenal gland measured 2.18 x 0.79 cm at the caudal pole and 0.49 cm at the cranial pole.

Spleen

The **spleen** revealed multi-focal, hypoechoic disruptive nodules measuring up to 1.3 cm with disrupted architecture.

Liver

The **liver** was riddled with multiple, coalescing, mixed hypoechoic nodules that created mass effects throughout the liver. The hepatic pathology was diffuse and not resectable. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele. However, the sludge appears to be mildly excessive. No adjunctive inflammation was noted.

Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



PATIENT

Sookie Strongwater

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

11 years

WEIGHT

56 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Animal General on
Hudson

REFERRING VET

Dr. Zelinski

INVOICE

96278

DATE

2/23/22

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

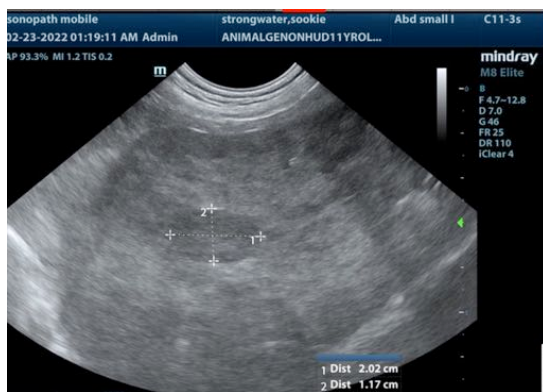
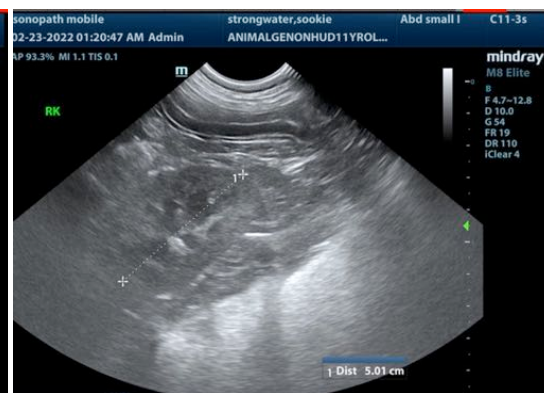
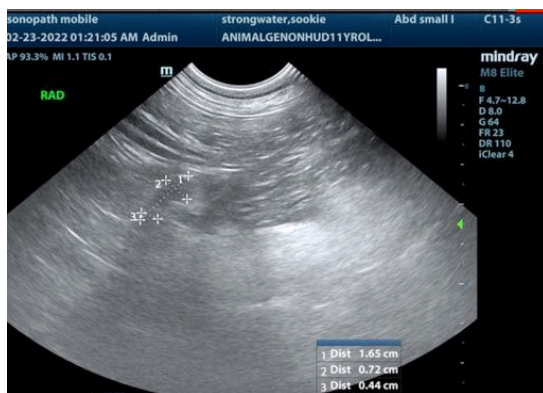
ULTRASONOGRAPHIC FINDINGS

Concerning splenic and hepatic nodular changes creating hepatic mass effects. Pronounced nodular hyperplasia of the liver is possible, yet less likely. Sarcoma is a strong potential. Splenic nodule differentials include round cell neoplasia, emerging hemangiosarcoma or pronounced hypertension.

Gallbladder sludge.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen and liver is strongly recommended. Sampling is essential in this patient.





PATIENT

Sookie Strongwater

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

11 years

WEIGHT

56 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Animal General on Hudson

REFERRING VET

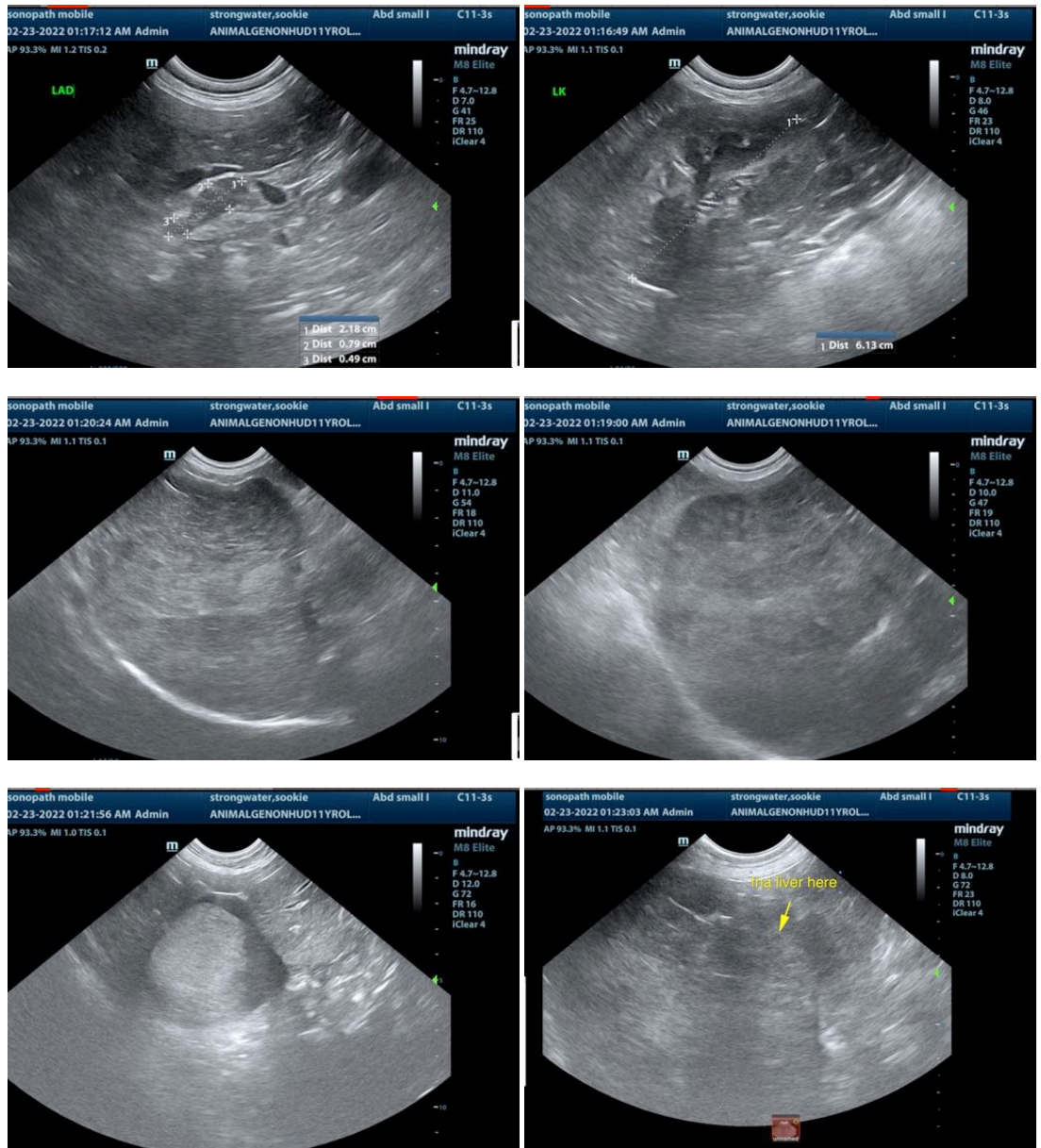
Dr. Zelinski

INVOICE

96278

DATE

2/23/22



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 can be of any further assistance please contact me.

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

Info@SonoPath.com