



PATIENT

Lucy Michaelson

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 years

WEIGHT

24 lbs

PRESENTING CLINICAL SIGNS

AGA removed last summer. Owner reports Lucy is waking up during the night very agitated and unable to be settled down. Like "night terrors". Happened previously before the AGA was removed. Treating with Acepromazine 5-10mg and Gabapentin 300-600mg, but has not helped for more than 5-6 hours. Hx of bladder stones and possible IVDD, has been on Robaxin and Carprofen. *Sedated with Torbugesic and very low dose DexDom*

Abnormal PE/Chem/CBC/UA Results: Chol 365, ALP 595 (longstanding), Calcium normal. RADS: three view chest, WNL.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed a minor amount of sand accumulation was noted. Apical bladder wall thickening was noted. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 5.03 cm. The left kidney measured 4.94 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 0.63 cm at the caudal pole and 0.61 cm at the cranial pole. The right adrenal gland measured 1.4 x 0.72 cm at the caudal pole and 1.4 cm at the cranial pole.

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself cranially and is structurally Unremarkable. . This is a positional variant and is not pathological. There was no evidence of significant disease.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Slightly increased portal markings were noted in the liver. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. 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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE

95229

DATE

1/13/22



PATIENT

Gastrointestinal

Lucy Michaelson

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.

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE

95229

DATE

1/13/22

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

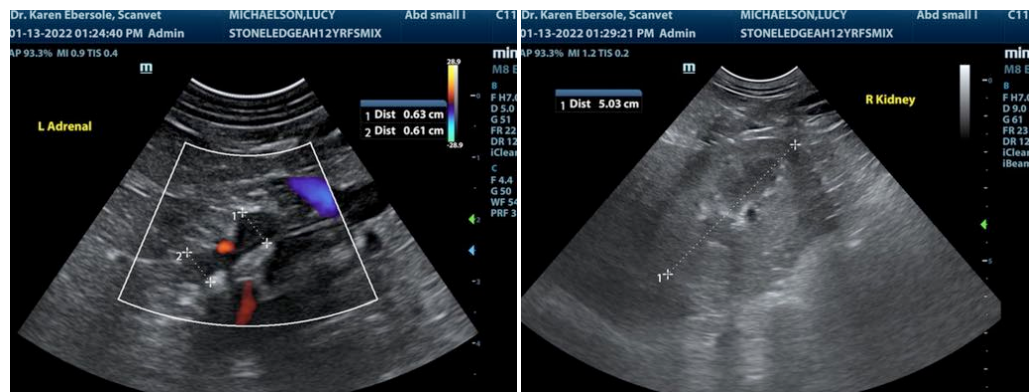
Largely age related hepatic changes with gallbladder sand and minor remodeling.

Minor bladder sand and apical thickening.

Otherwise unremarkable abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is no overt connection between the abdominal presentation and the CNS activity. Full urinary work-up and medical management for the bladder sand would be appropriate. Bile acid profile can be considered; however, structurally the liver appears largely expected for this age patient. Full CNS examination +/- CT contrast of the brain would be appropriate.





PATIENT

Lucy Michaelson

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

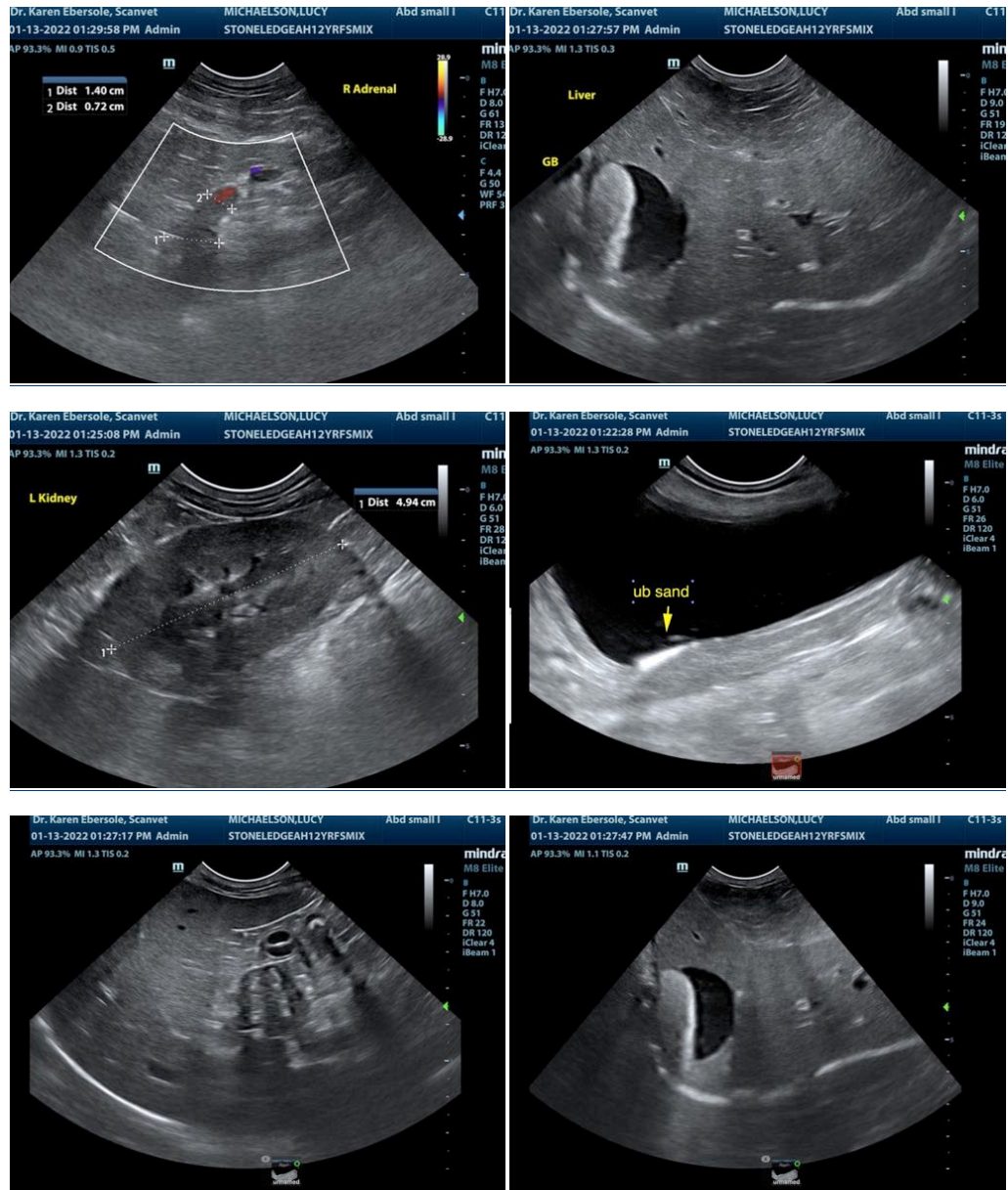
Dr. Kaltsas

INVOICE

95229

DATE

1/13/22



The information and recommendations provided are based on the images presented by the referring veterinarian. 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



PATIENT

info@SonoPath.com

Lucy Michaelson

SPECIES

Canine

BREED

Mix

SEX

Spayed Female

AGE

12 years

WEIGHT

24 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE

95229

DATE

1/13/22