



PATIENT

Lucy Michaelson

SPECIES

Canine

BREED

Terrier Mix

SEX

Spayed female

AGE

12 years

WEIGHT

24.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Durand

INVOICE

42206

DATE

10/31/22

PRESENTING CLINICAL SIGNS

History: Since 10/25 Lucy is extremely painful, panting and anxious. Current meds: Gabapentin, Diethylstilbestrol, Acepromazine, Carprofen, and Methocarbamol. Lucy had an AGACA surgically removed 2/2021.

Abnormal PE/Chem/CBC/UA Results: PE (10/28/22): Shifting leg lameness and "walking on eggshells" gait. BW (7/22) mild ALP elevation, otherwise WNL. RADS (sent out): No sign of bone density changes or proliferation other than spondylosis and a narrowing of disk space at T 11 & T12. There was an opacity in the stomach and a few small loops of intestine. AUS (1/13/2022, attached) mild bladder sand, age related liver changes.

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. A small, non-obstructive calculus was noted and measured 0.73 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The iliac trifurcation revealed an enlarged, hypoechoic and microcystic lymph node that measured 4.5 x 2.3 cm. Other iliac lymph nodes are enlarged as well.

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 5.3 cm. The right kidney measured 5.3 cm.

Adrenal Glands

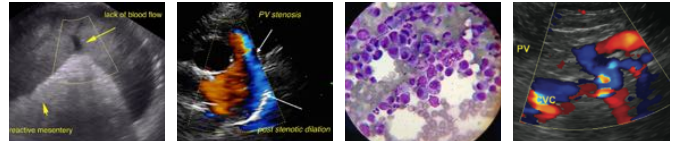
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 1.76 cm at the cranial pole and 0.68 cm at the caudal pole.

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** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and



PATIENT	subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.
Lucy Michaelson	
SPECIES	<i>Gastrointestinal</i>
Canine	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.
BREED	
Terrier Mix	
SEX	<i>Pancreas</i>
Spayed female	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.
AGE	
12 years	<i>Free Abdomen</i>
WEIGHT	A right anal gland mass was noted in this patient. It was irregular in contour and mineralized measuring 2.0 x 1.74 cm. This is strongly consistent with anal gland carcinoma.
24.6 lbs	
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
Eric Lindquist, DMV DABVP, Cert. IVUSS	Anal gland mass with iliac lymph node mass. Concurrent bladder calculus, non-obstructive. Incidental finding. Otherwise, geriatric abdomen.
IMAGING PERFORMED BY	
Dr. Ebersole	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
HOSPITAL NAME	FNA of the iliac lymph nodes and anal gland mass is warranted to confirm suspicion of carcinoma. Some discomfort may be deriving from the anal gland mass and iliac lymph nodes; however, the remainder of the abdomen appears unremarkable. The anal gland mass and lymph nodes are of primary importance regarding the reported discomfort orthopedic/spinal pain should be considered as a strong potential.
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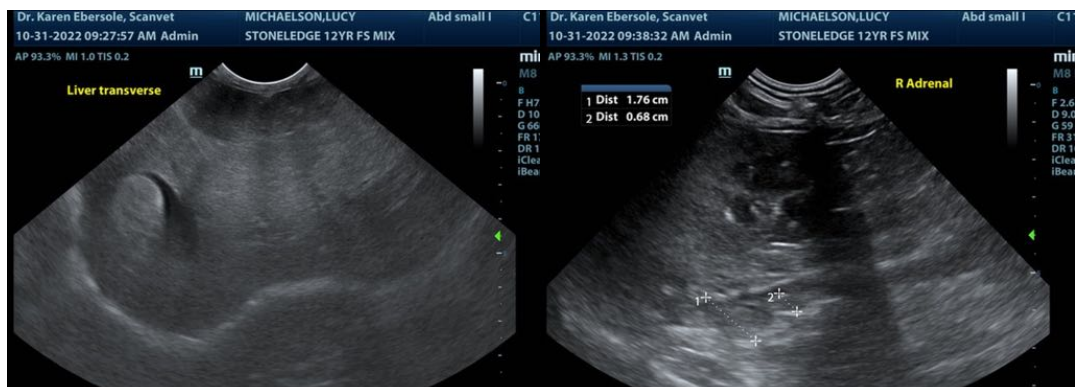
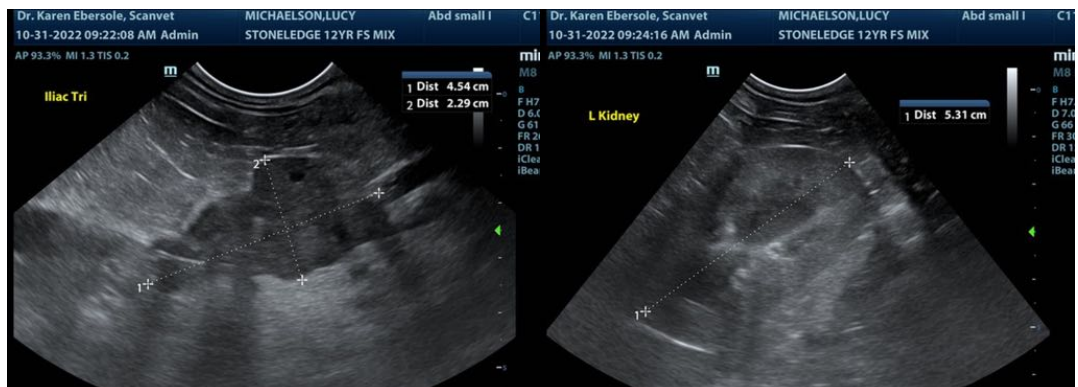
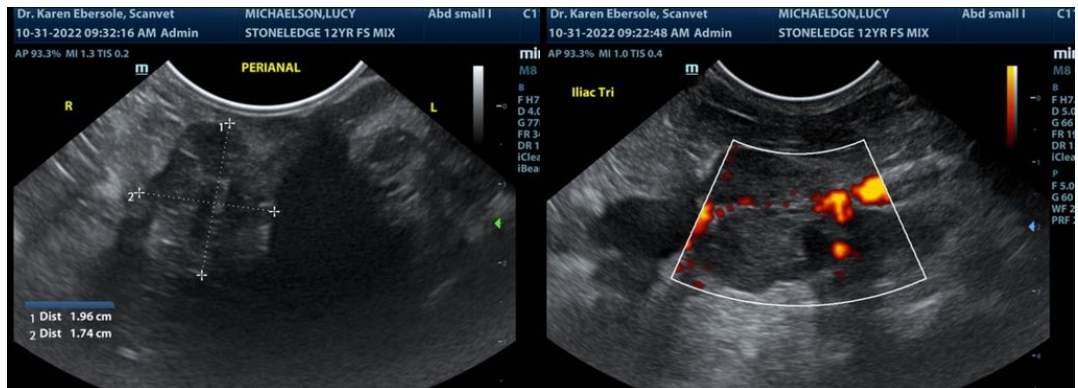
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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Canine

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.

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Terrier Mix

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

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