



PATIENT PRESENTING CLINICAL SIGNS

PATIENT
Leo Lowery

SPECIES
Canine

BREED
Beagle

SEX
Neutered male

AGE
10 years

WEIGHT
24 lbs

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Dr. Schanche/Harris

HOSPITAL NAME
TotalBond VH

REFERRING VET
Dr. Schanche/Harris

INVOICE
97779

DATE
3/24/22

History: 10 year old MN presented for wellness exam in March. Lost ~2.2lbs since Sept 2021. Underweight mildly with BCS 3-3.5/9, moderate tartar, few small subcutaneous soft masses, moderate to severe arthritis left stifle, normal muscle mass, rest of exam unremarkable. No increased drinking or urinating at home, eating same amount of food, no reduction in food at home. BW showed - ALP 153, T bili 0.3, Crt 0.9, BUN 17, USG 1.027 with 2+ protein and 8.5 pH. Urine protein to creatinine ratio still pending.

Abnormal PE/Chem/CBC/UA Results: 10 year old MN presented for wellness exam in March. Lost ~2.2lbs since Sept 2021. Underweight mildly with BCS 3-3.5/9, moderate tartar, few small subcutaneous soft masses, moderate to severe arthritis left stifle, normal muscle mass, rest of exam unremarkable. No increased drinking or urinating at home, eating same amount of food, no reduction in food at home. BW showed - ALP 153, T bili 0.3, Crt 0.9, BUN 17, USG 1.027 with 2+ protein and 8.5 pH. Urine protein to creatinine ratio still pending.

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 right kidney measured 4.45 cm. The left kidney measured 4.76 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 0.73 cm in width. The right adrenal gland measured 0.8 cm at the cranial pole and 0.5 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



PATIENT

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The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. 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.

SPECIES

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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.

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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.

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10 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

24 lbs

Structurally unremarkable abdomen.

Minor excessive gallbladder debris.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of significant disease. Ursodiol therapy can be considered as a preventative. This is not overtly pathological at this time.

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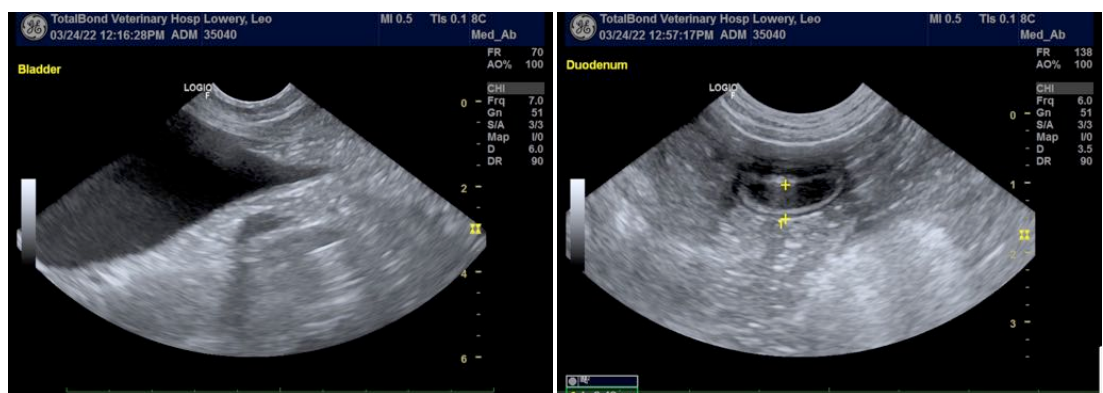
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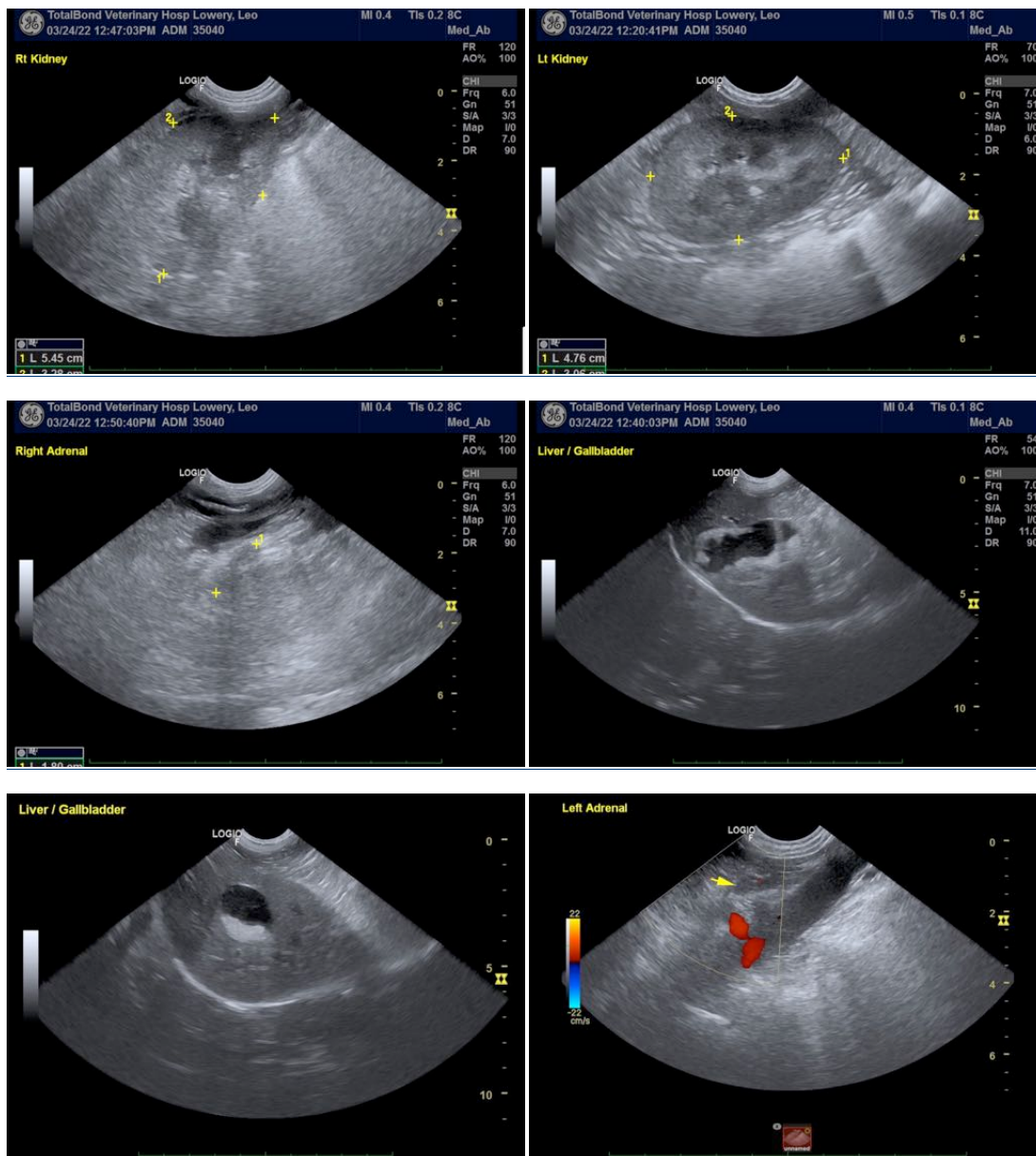
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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