



PATIENT

Copper Kambak

PRESENTING CLINICAL SIGNS

Consistent elevated liver values. ALT 324, ALP 1153, GGT 56,

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Labrador Mix

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.

SEX

Neutered male

The residual prostate measured 1.2 cm.

AGE

14 years

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 7.32 cm. The right kidney measured 3.6 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The left adrenal gland measured 2.6 x 0.93 cm at the cranial pole and 0.5 cm at the caudal pole. The right adrenal gland measured 3.6 x 1.16 cm at the cranial pole and 0.95 cm at the caudal pole.

IMAGING PERFORMED BY

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HOSPITAL NAME

Andover AH

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Binlear

INVOICE

39554

Liver

DATE

9/22/22

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. 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 presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.



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Gastrointestinal

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There was some residual chyme and gas noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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

Labrador Mix

Pancreas

SEX

Neutered male

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

14 years

Free Abdomen

The iliac lymph node length to width ratio was maintained with slight, undulating contour. There was no obvious disruption of architecture. Other iliac lymph nodes were unremarkable. The right medial iliac lymph nodes were slightly enlarged and measured 2.6 x 1.15 cm.

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ULTRASONOGRAPHIC FINDINGS

Slight iliac lymphadenopathy. No mineralization noted in the lymph node, which suggests a benign change.

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Otherwise, geriatric abdomen.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no obvious metastatic disease. Recheck of the iliac lymph nodes is recommended in 2-3 weeks +/- FNA would be warranted. However, this lymph node is a common finding in an older dog and in my experience typically multiple nodes would be involved if metastatic. However, I cannot completely rule out the possibility of metastatic lymphadenopathy deriving from the anal gland.

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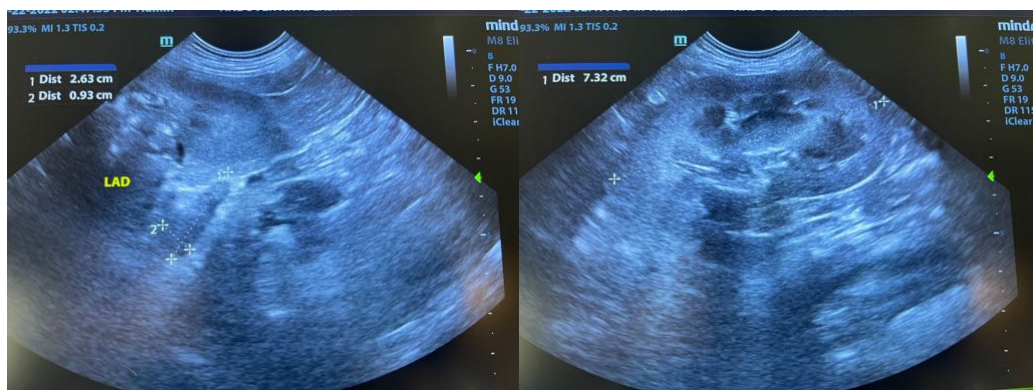
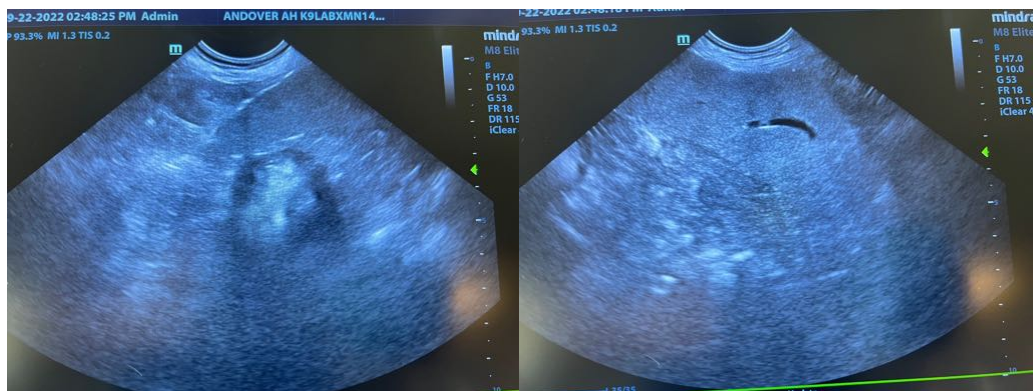
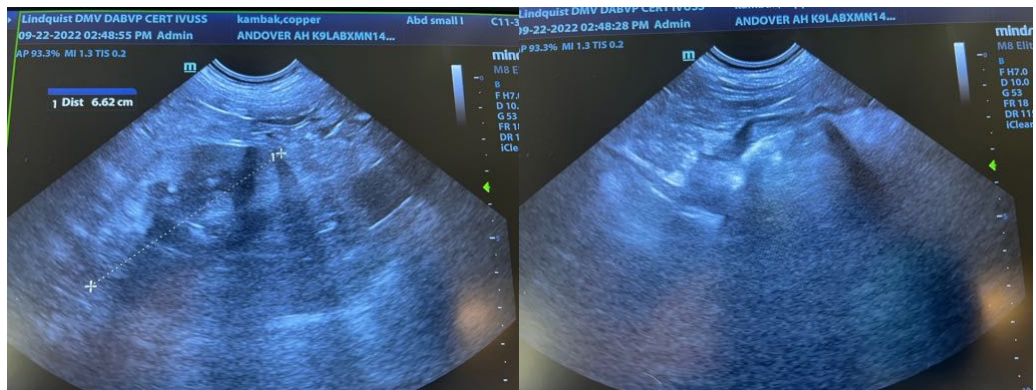
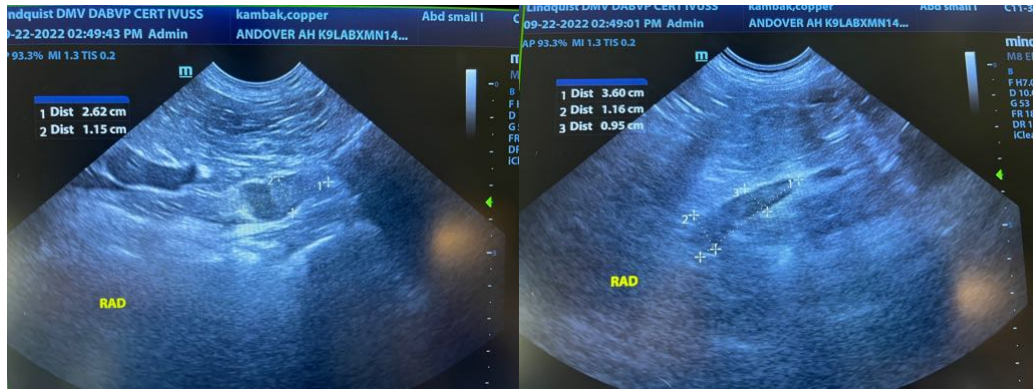
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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