



PATIENT

Racer Bosses

SPECIES

Canine

BREED

Labrador Retriever

SEX

Neutered Male

AGE

6 Years

WEIGHT

68.6 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Natalia Stiff

HOSPITAL NAME

Steamboat VH

REFERRING VET

Dr. Natalia Stiff

INVOICE

43919

DATE

7/12/23

PRESENTING CLINICAL SIGNS

Patient went for a long hike on Saturday July 8th. Sunday morning patient woke up early and vomited bile 3 separate times. After feeding breakfast on Sunday morning the patient no longer had any episodes and was BAR for the rest of the day. On Monday July 10th patient did not have any episodes of vomiting and was BAR. Tuesday the patient started throwing up bile in the afternoon and was taken to the hospital for blood work which revealed an ALT of >1000U/L. Wednesday the patient came in for the scan.

Abnormal PE/Chem/CBC/UA Results: CBC: Retic 7.8 (10-110) Lym 0.93 (1.05-5.10) - everything else is WNL Chem: ALT >1000 (10-125) TBIL 1.8 (0.0-0.9) - everything else is WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented normal thicknesses and normal tone. The urethra was not visualized. 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 were noted. Ureteral papillae were 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 left kidney measured 6.6 cm. The right kidney measured 6.2 cm.

Adrenal Glands

The **left adrenal gland** was 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 0.49 cm.

The **right adrenal gland** was not visualized.

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 were noted.

Liver

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 presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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Gastrointestinal

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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

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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.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Structurally unremarkable abdomen including liver

AGE

6 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Acute insult such as Leptospirosis suspected, or other infectious or toxic agents. FNA of the liver indicated. Screening for Addison's warranted, given that the right adrenal gland was not visualized. The left adrenal was unremarkable. ACTH stim with baseline cortisol indicated.

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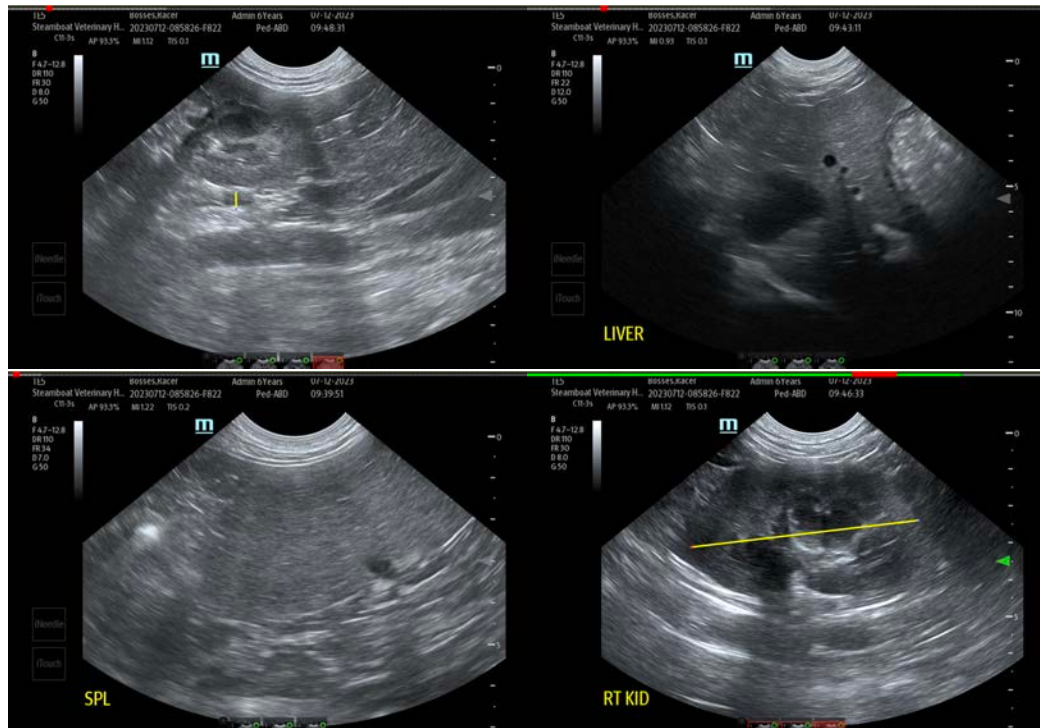
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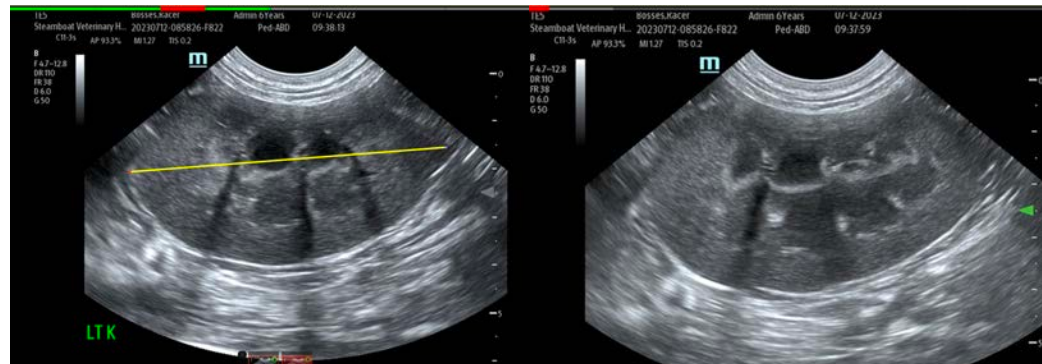
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

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