

PATIENT PRESENTING CLINICAL SIGNS

Amos VanDen Elsen

Amos is an apparent happy and healthy Golden Retriever. When he presented for his scheduled preanesthetic bloodwork in June of 2022, we discovered an elevated ALT and Eosinophilia, which we've been tracking ever since. Started Hepato Support in June 8 of 2022, rechecked values July 13, and they were normal. Continued on hepato support, rechecked bloodwork in Sept 22, 2022- ALT increasing again, Eosinophils now up, despite Spectra. We treated with panacur, repeated blood after this 10 day course. Eosinophils now wnl, however ALT unchanged.

SPECIES

Canine

BREED

Golden Retriever

Abnormal PE/Chem/CBC/UA Results: Most recent Oct bloodwork showed ALT 226(highest it has been)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SEX

Urinary System

MI

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

AGE

1.5yr

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.9 cm in length. The right kidney measured 6.6 cm in length.

WEIGHT

33kg

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The prostate was mildly enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.4 cm in diameter.

IMAGING PERFORMED BY

Crystal Hill

The bilateral testicles were sonographically unremarkable.

HOSPITAL NAME

Simcoe Animal
Hospital

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm width at the caudal pole and 1.8 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.84 cm width at the caudal pole and 2.2 cm length.

REFERRING VET

Dr. Kennedy

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

INVOICE

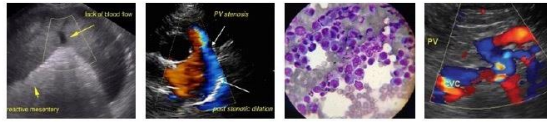
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Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were

DATE

10/14/2022



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normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal

SPECIES

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

SEX

MI

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

AGE

1.5yr

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

WEIGHT

33kg

- Low grade hepatopathy-potential low-grade inflammatory hepatopathy
- Mild benign prostatic hyperplasia

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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DVM, DABVP
(Canine and Feline)

Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology could be considered to assess for or identify inflammatory cell type if present. Continued hepatosupportive medications would be reasonable with monitoring of ALT levels. Hepatic core surgical biopsy is likely required for definitive histopathological diagnosis and may be considered if progressive ALT elevation despite hepatic support.

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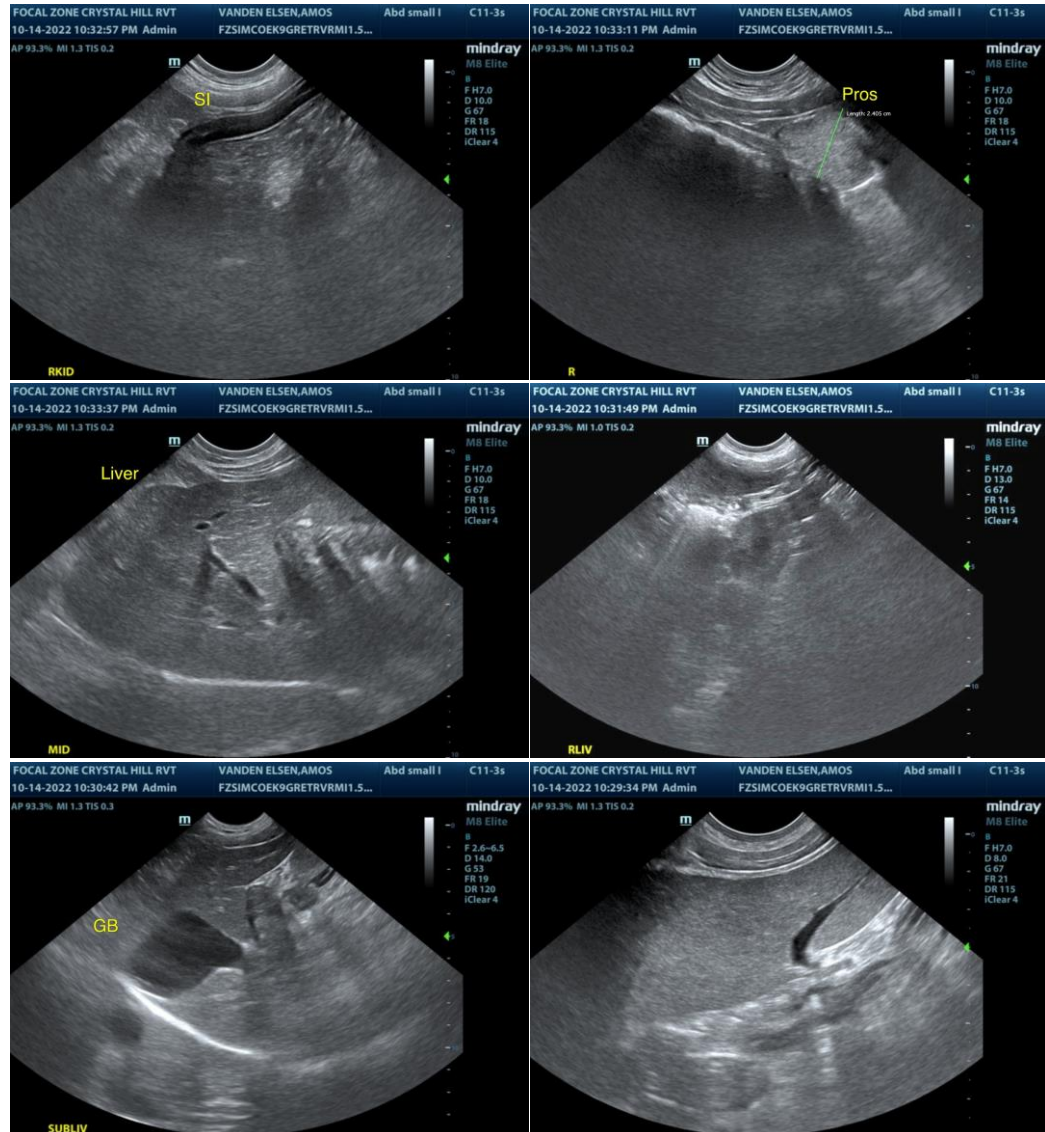
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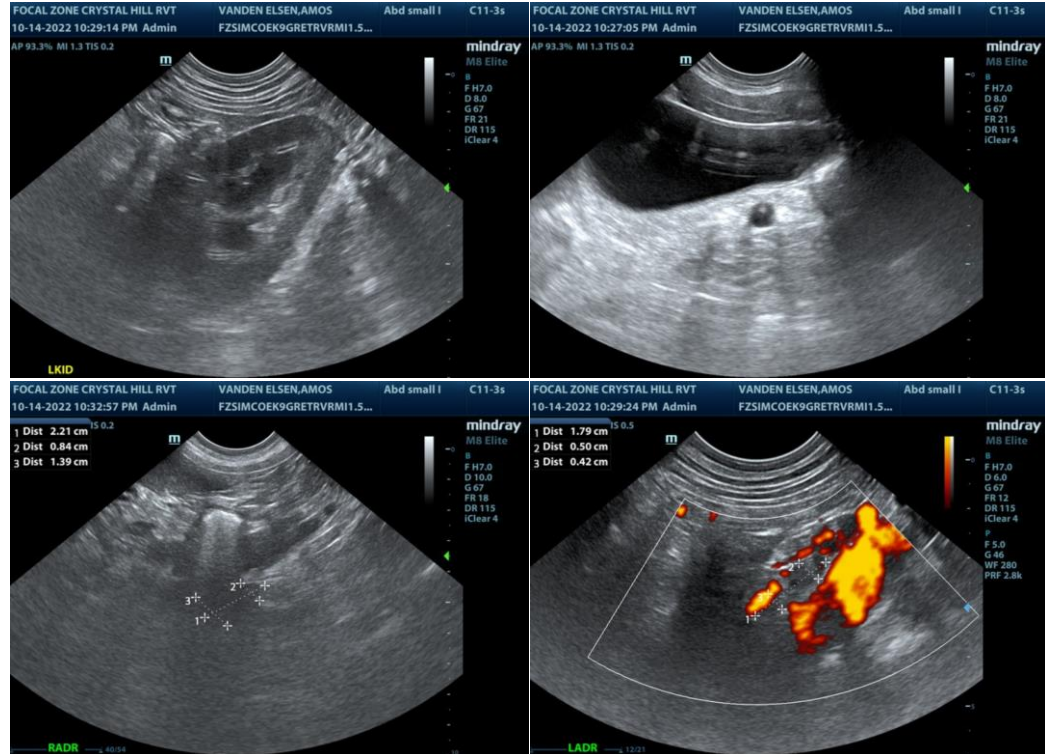
MI

AGE

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WEIGHT

33kg



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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