



PATIENT

Kaia Matthews

PRESENTING CLINICAL SIGNS

Hx of ALT elevation at 293 back in 2018. ALT now 617 U/L. Previous possible neuro signs (staring into space) but this has now resolved. Serum bile acids normal.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: ALT 617 U/L (previously 293). Other liver values normal.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Labradoodle

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

SEX

FS

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 5.8 cm in length. The right kidney measured 5.8 cm in length.

AGE

6yr

The area of the aortic trifurcation was free of pathology.

WEIGHT

22.9kg

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.44 cm width at the caudal pole and 0.38 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.38 cm width at the caudal pole and 0.49 cm width at the cranial pole.

INTERPRETED BY

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

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. The spleen measured - cm in width at the level of the hilus.

IMAGING PERFORMED BY

Sarah Barthelemy

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 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.

HOSPITAL NAME

Glamorgan Animal
Clinic

REFERRING VET

Dr. Falk

Gastrointestinal

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. The gastric body wall measured - cm in width.

INVOICE

11516ag

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. The duodenum measured - cm in width. The jejunum measured - cm in width.

DATE

09/02/2022

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



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Pancreas

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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.

SPECIES

Canine

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

BREED

Labradoodle

ULTRASONOGRAPHIC FINDINGS

Primary

SEX

FS

- Benign hepatopathy
- Sonographically unremarkable gallbladder/common bile duct

AGE

6yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no evidence of significant abdominal visceral pathology was present in this study as a definitive cause of the patient's clinical signs.

WEIGHT

22.9kg

The appearance of the liver was nonspecific but most consistent with benign hepatopathy. Considerations for the liver may include benign vacuolar hepatopathy or inflammatory/infectious hepatic disease in light of the elevated ALT. No overt evidence of hepatic neoplasia which is considered a less likely differential diagnosis. No evidence of portosystemic vascular anomaly in conjunction with the normal serum bile acids.

INTERPRETED BY

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

Pending ultrasound guided FNA of the liver Leptospirosis titers / PCR may be considered if clinically indicated. Hepatic core surgical biopsy is likely required for definitive diagnosis as well as assessment for copper. Hepatosupportive medications including Denamarin may prove beneficial with continued monitoring of ALT levels.

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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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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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info@SonoPath.com

BREED

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SEX

FS

AGE

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WEIGHT

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