



PATIENT PRESENTING CLINICAL SIGNS

Zoey Verissimo Has issue with ongoing elevated liver enzymes. No meds.

Abnormal PE/Chem/CBC/UA Results: N/A

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Labrador Retriever

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, mineral 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 6.4 cm in length. The right kidney measured 6.4 cm in length.

AGE

7yr

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

98.1lb

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.66 cm width at the caudal pole and 2.7 cm width at the cranial pole. The right adrenal gland was not visualized owing to patient size.

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.

IMAGING PERFORMED BY

Crystal Hill

Liver/Gallbladder

HOSPITAL NAME

Hillview Vet Clinic

The liver was subjectively normal in size, structure, and contour. Normal to mildly increased uniform parenchyma echogenicity was present. Normal vascular volume. 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.

REFERRING VET

Stevenson

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.

INVOICE

14579ag

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.

DATE

08/11/2023

Pancreas



PATIENT

Zoey Verissimo

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 omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED

Labrador Retriever

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable liver exhibiting minor uniform increased echogenicity-consistent with benign hepatopathy.
- Sonographically normal gallbladder.

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The liver was non-specific with considerations including vacuolar hepatopathy, inflammatory/immune mediated disease, toxin (copper), hematopoiesis, hyperplasia, fibrosis, non-obstructive cholestasis or other hepatopathy possible. No evidence of neoplastic criteria.

AGE

7yr

Assuming normal clotting status a hepatic FNA for screening cytology is warranted for further assessment. A hepatic surgical biopsy is required for a definitive diagnosis. A leptospirosis titer/PCR may be considered if clinically indicated or if potential exposure/endemic to the area. Hepatosupportive medications such as Denamarin and Ursodiol due to their antioxidant and immunomodulatory effects within the liver would be warranted, although these medications may not result in decreased hepatic enzyme levels.

WEIGHT

98.1lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Hillview Vet Clinic

REFERRING VET

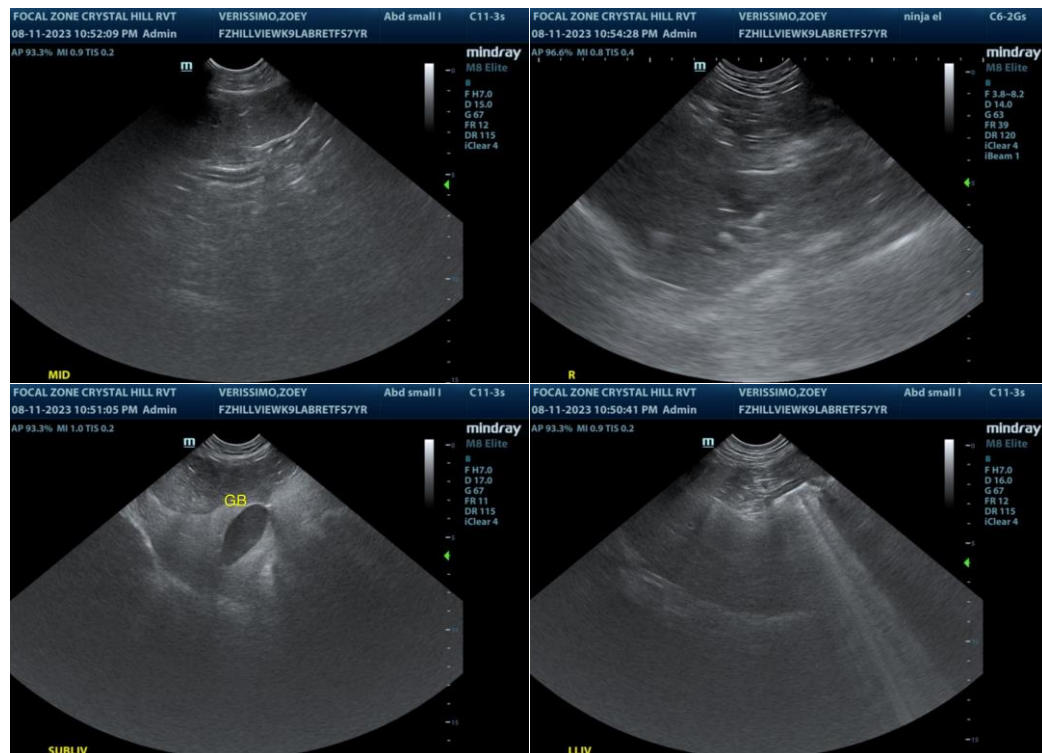
Stevenson

INVOICE

14579ag

DATE

08/11/2023





PATIENT

Zoey Verissimo

SPECIES

Canine

BREED

Labrador Retriever

SEX

FS

AGE

7yr

WEIGHT

98.1lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Hillview Vet Clinic

REFERRING VET

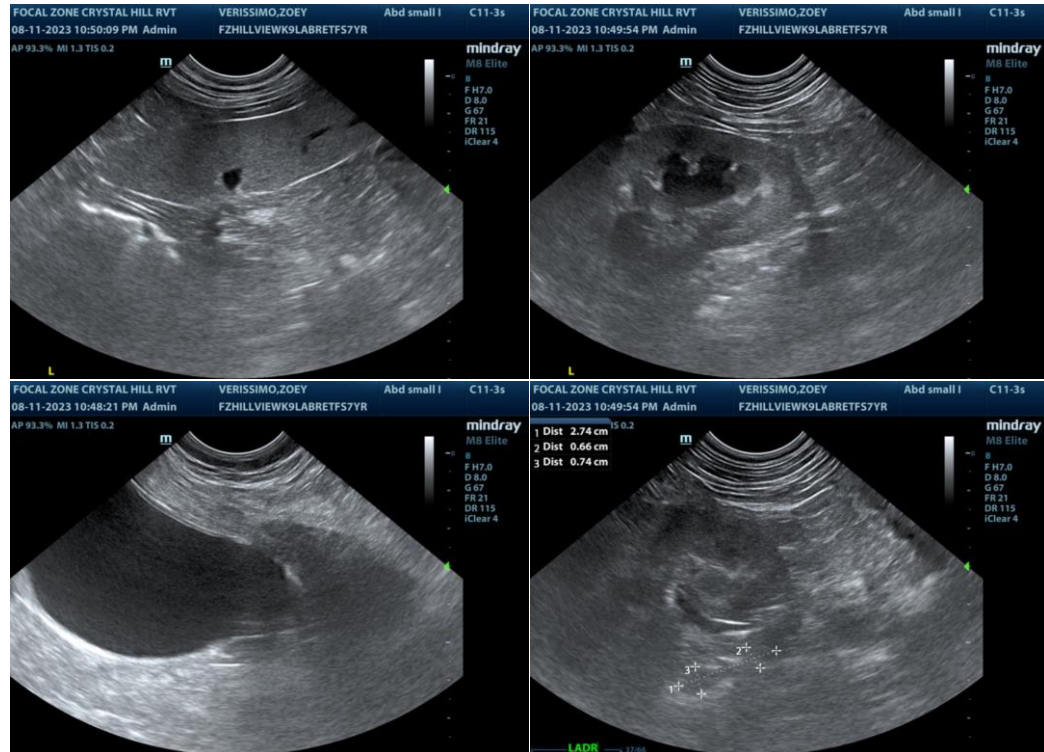
Stevenson

INVOICE

14579ag

DATE

08/11/2023



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.

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

info@SonoPath.com