



PATIENT

Zoey Melton

PRESENTING CLINICAL SIGNS

History of vomiting, stool was blackish. RDVM saw sludge in the gallbladder.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 cm 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.

BREED

Yorkshire Terrier

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Non-obstructive medullary nephrolithiasis was present. The left kidney measured 4.2 cm in length. The right kidney measured 4.2 cm in length.

SEX

FS

AGE

11yr

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.48 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.52 cm width at the caudal pole.

WEIGHT

7.7lb

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.

INTERPRETED BY

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

Liver/Gallbladder

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a moderate coarse echotexture. Evidence of minor parenchymal remodeling. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and moderate non-dependent inspissated hyperechoic sediment. The cystic and common bile ducts were normal.

IMAGING PERFORMED BY

Harold Mike Beard

HOSPITAL NAME

Animal Care
Veterinary Center

REFERRING VET

Dr. Self

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

14160ag

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.

DATE

06/20/2023

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

Pancreas



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Zoey Melton

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

Free Abdomen

SPECIES

Canine

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

BREED

Yorkshire Terrier

ULTRASONOGRAPHIC FINDINGS

- Chronic renal changes with bilateral non-obstructive nephrolithiasis.
- Hepatopathy-subjectively benign.
- Moderate inspissated gallbladder sediment.
- Heterogeneous pancreas.
- Overtly normal GI wall layering.

SEX

FS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

11yr

The liver and gallbladder presentation may suggest inflammatory criteria given ALT elevation i.e., cholangiohepatitis or similar with non-obstructive cholestasis. No overt evidence of hepatobiliary, GI or intra-abdominal neoplastic criteria. Assuming normal clotting status a hepatic FNA for screening cytology could be considered for further assessment.

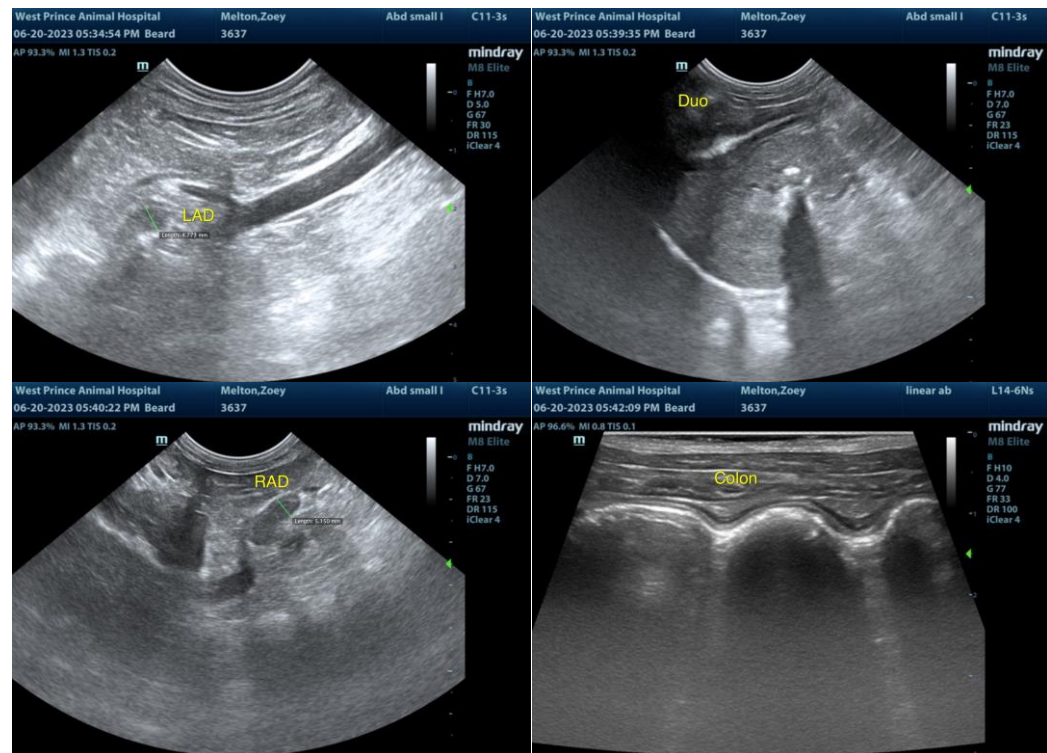
WEIGHT

7.7lb

Continued hepatosupportive medication Denamarin and Ursodiol +/- empirical antibiotic to cover for cholangiohepatitis with monitoring of hepatic response would be reasonable.

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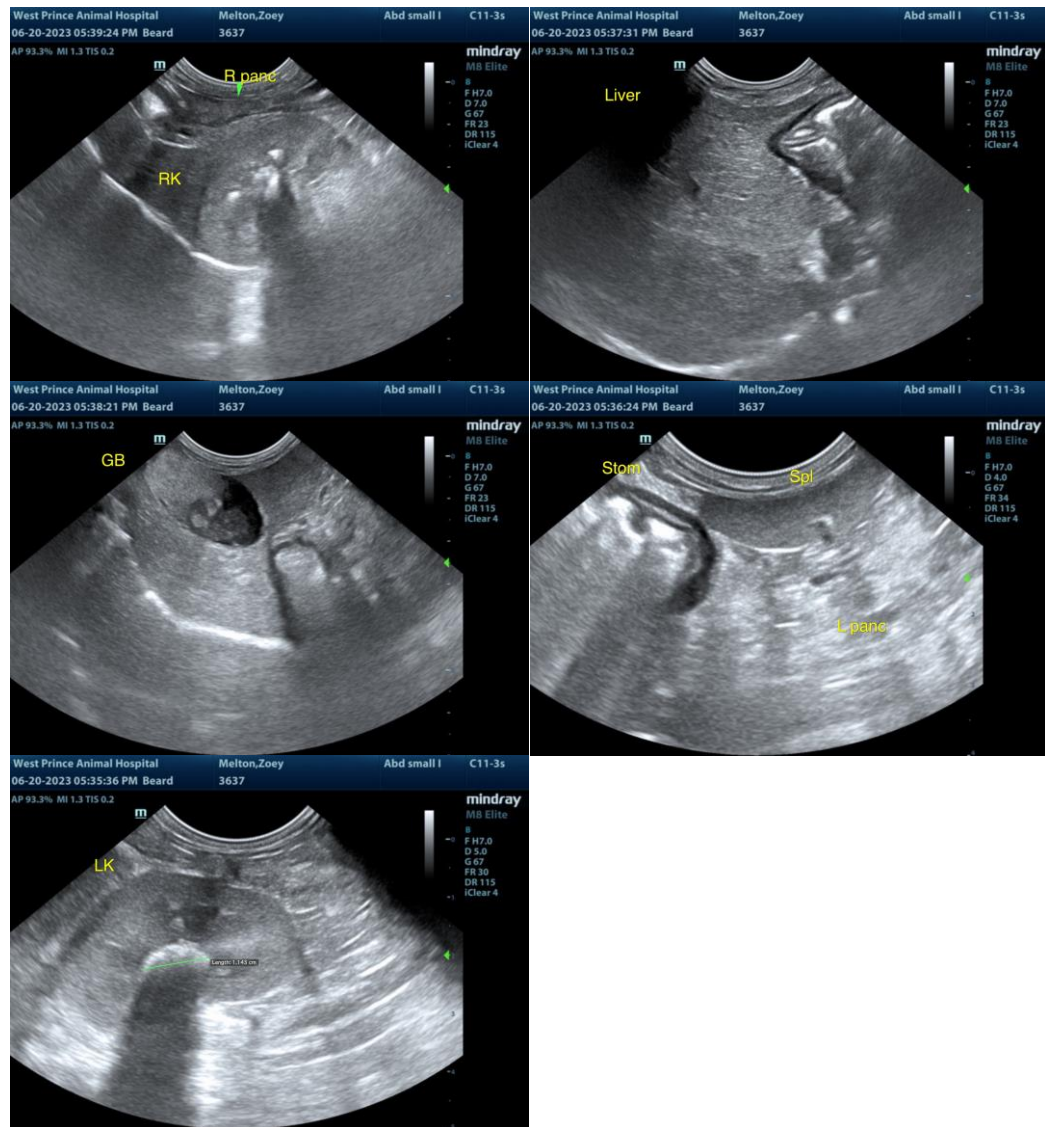
Dr. Self

INVOICE

14160ag

DATE

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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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