



PATIENT PRESENTING CLINICAL SIGNS

Bella Katz History: Elevated ALT HepatoTruBenefits

Abnormal PE/Chem/CBC/UA Results: CBC wnl ALT 420

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED 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 was noted.

SEX The area of the aortic trifurcation was free of pathology.

Spayed female
AGE 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 3.3 cm in length. The right kidney measured 3.7 cm in length.

WEIGHT Adrenal Glands

9.9 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.51 cm width at the caudal pole and 1.4 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.37 cm width at the caudal pole and 2.0 cm length.

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

Rebekah Jakum, CVT
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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 mildly coarse echotexture. 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. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Coyle

INVOICE

Gastrointestinal

10232ag 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.

DATE

03/25/2022



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

SPECIES *Pancreas*

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

BREED *Free Abdomen*

Yorkie X No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

- SEX** Spayed female
- Low grade hepatopathy-suspect low grade inflammatory hepatopathy given ALT elevation.
 - Mild gallbladder debris.
 - Mild pancreatic remodeling

AGE 11 years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT 9.9

Overall, the hepatic presentation is consistent with benign hepatopathy without evidence of neoplastic criteria. Ultrasound guided FNA of the liver could be considered for screening cytology to assess for evidence of and identify inflammatory cell type if present. Continued hepatosupportive medications with monitoring of liver enzymes would be reasonable. Hepatic core surgical biopsy may be considered for histopathology if persistent to progressive hepatic enzyme elevations are noted despite hepatosupportive medications.

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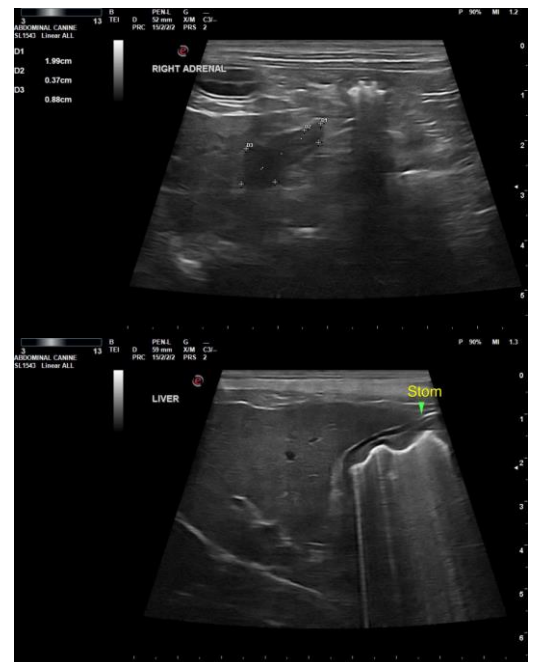
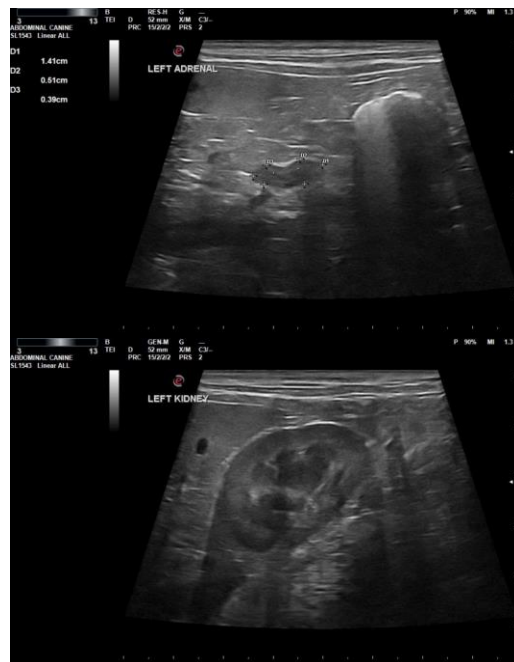
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PATIENT

Bella Katz

SPECIES

Canine

BREED

Yorkie X

SEX

Spayed female

AGE

11 years

WEIGHT

9.9

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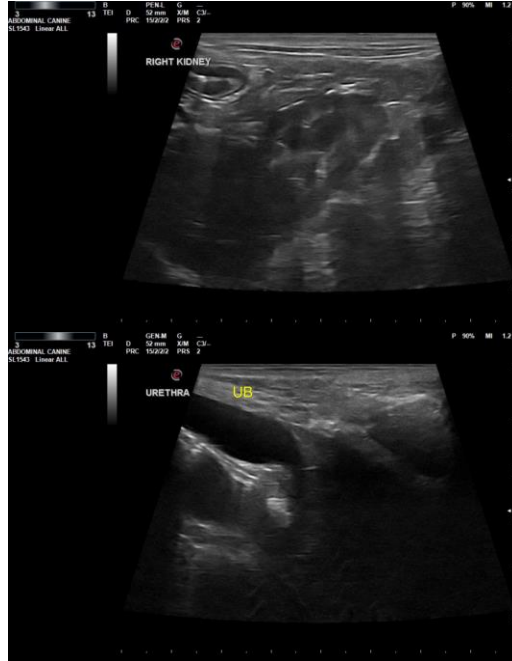
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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