



PATIENT PRESENTING CLINICAL SIGNS

Nelson Machado-Wilcox
 History: Presented for dental prophy - pre anesthesia BW showed elevated liver enzymes. T4 normal. ALT 257; BuN 31. On Atenolol 12.5 mg BID for HOCM

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Feline **Urinary System**

BREED

DSH

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.

SEX

MN

Normal size and margination was present in the kidneys. Both kidneys exhibited mild increased cortex echogenicity with mild loss of corticomedullary border demarcation. Mild areas of left medullary mineral were present, concurrent mineral in the right kidney was not visualized. Both kidneys exhibited scant pyelectasia. The left kidney measured 4.5 cm in length. The right kidney measured 4.6 cm in length.

AGE

9 yr

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

9.6lb

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.36 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.38 cm width.

Spleen

INTERPRETED BY

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

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

Pamela Harrigan, RDCS

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 primarily anechoic luminal content. The common bile duct was dilated and tortuous without overt post hepatic obstruction measuring 0.32 cm in diameter.

HOSPITAL NAME

Norfolk County Veterinary Service

Gastrointestinal

REFERRING VET

Dr. McCabe

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 ventral gastric body wall measured 0.27 cm in width.

INVOICE

10615ag

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 wall measured 0.22 cm in width.

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

DATE

05/13/2022

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

Feline

Free Abdomen

No omental masses, lymphadenopathy or peritoneal free fluid.

BREED

DSH

ULTRASONOGRAPHIC FINDINGS

- Mild hepatopathy
- Mild proximal CBD dilation
- Unremarkable GI tract/pancreas
- Nonspecific chronic renal changes with mild left kidney medullary mineral and scant bilateral pyelectasia

SEX

MN

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

9 yr

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

WEIGHT

9.6lb

The overall appearance of the liver was nonspecific yet consistent with mild benign hepatopathy. Primary consideration for mild inflammatory hepatopathy or hepatobiliary process given the ALT elevation and presence of CBD dilation. Hepatosupportive medications with continued monitoring of ALT levels may prove beneficial. Assuming normal clotting status, an ultrasound guided FNA of the liver using a 25g needle could be considered for screening cytology to assess for inflammatory cell type if persistent/progressive liver enzyme elevations are noted. No anesthetic contraindications assuming normal ALB, BUN, GLU and CHOL.

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 DABVP (Canine and Feline)

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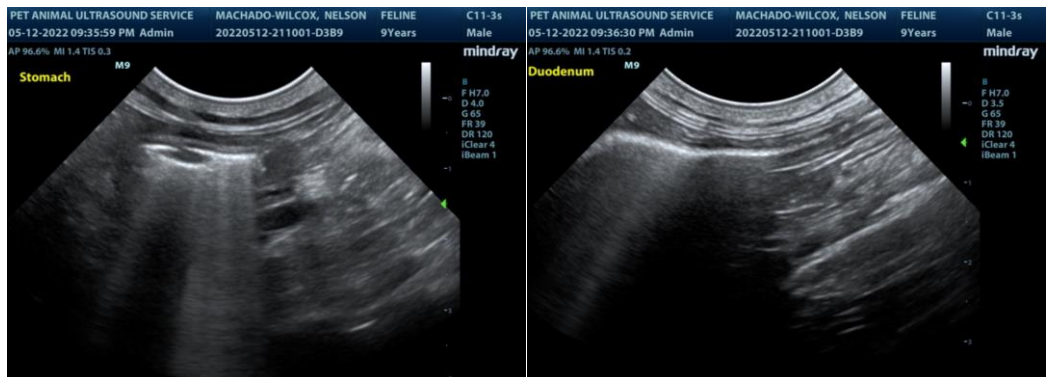
Dr. McCabe

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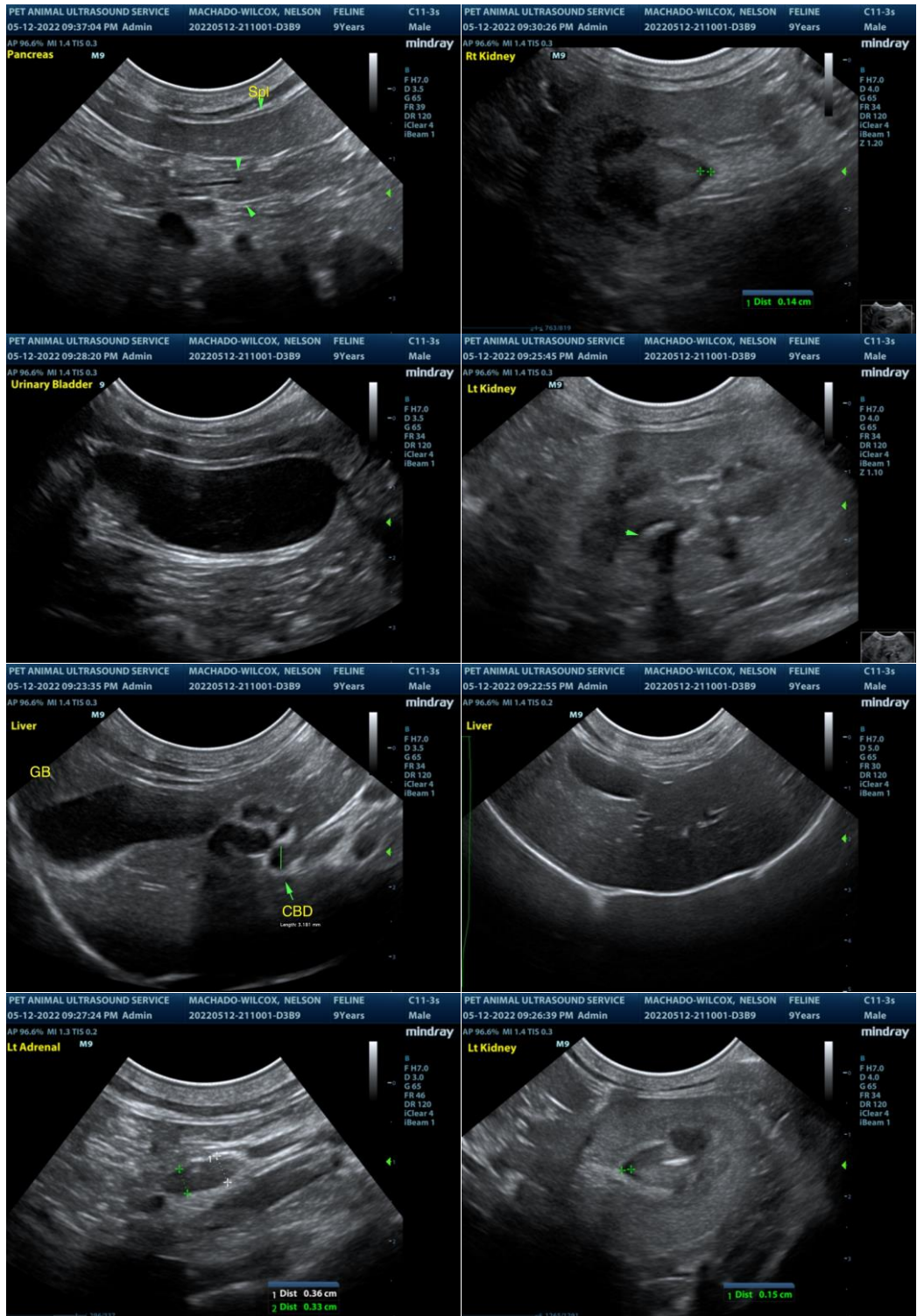
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the



PATIENT

image/video clips provided.

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Wilcox

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.

SPECIES

Feline

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WEIGHT

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