



PATIENT PRESENTING CLINICAL SIGNS

Batu GR Rescue History: Arrived at rescue 3 weeks ago. Routine bloodwork is run on all dogs at time of intake. Anaplasmosis positive- asymptomatic.

SPECIES Abnormal PE/Chem/CBC/UA Results: Alb 2.1 (2.7-3.9) UPC borderline low.

Canine **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

BREED *Urinary System*

Golden 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 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 The area of the residual prostate appeared normal and free of pathology.

Neutered Male The area of the iliac trifurcation was free of pathology.

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. Scant pyelectasia was present in the left kidney, considered incidental. The left kidney measured 7.0 cm in length. The right kidney measured 6.9 cm in length.

WEIGHT *Adrenal Glands*
 65 Pounds The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.83 cm width at the caudal pole and 0.72 cm width at the cranial pole.

INTERPRETED BY The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.65 cm width at the caudal pole and 0.69 cm width at the cranial pole.

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

IMAGING PERFORMED BY

Pamela Harrigan, RDMS

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.

HOSPITAL NAME

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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.

REFERRING VET

Dawn Brooks, DVM

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.

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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.

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



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Pancreas

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

Intermittent, mildly prominent to enlarged mesenteric and medial iliac lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation or neoplastic criteria and maintaining a normal width: length ratio (<0.5). An example of medial iliac lymph node measured 2.4 cm length x 1.0 cm width.

BREED

Golden Retriever

No omental masses or evidence of peritoneal effusion.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Overall, sonographically unremarkable abdomen
- Mild benign/reactive mesenteric and medial iliac lymphadenopathy- incidental

AGE

6 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No sonographic evidence of significant visceral pathology. A definitive cause of the decreased albumin levels was not obvious, given no evidence of significant proteinuria. Continued monitoring of albumin levels or for clinical signs associated with anaplasmosis would be reasonable. A GI panel to include PLI/TLI/Cobalamin/Folate, as well as monitoring of UPC level to assess for occult intestinal or renal disease as a contributing factor may be considered.

WEIGHT

65 Pounds

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 DABVP (Canine and Feline)



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SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

6 Years

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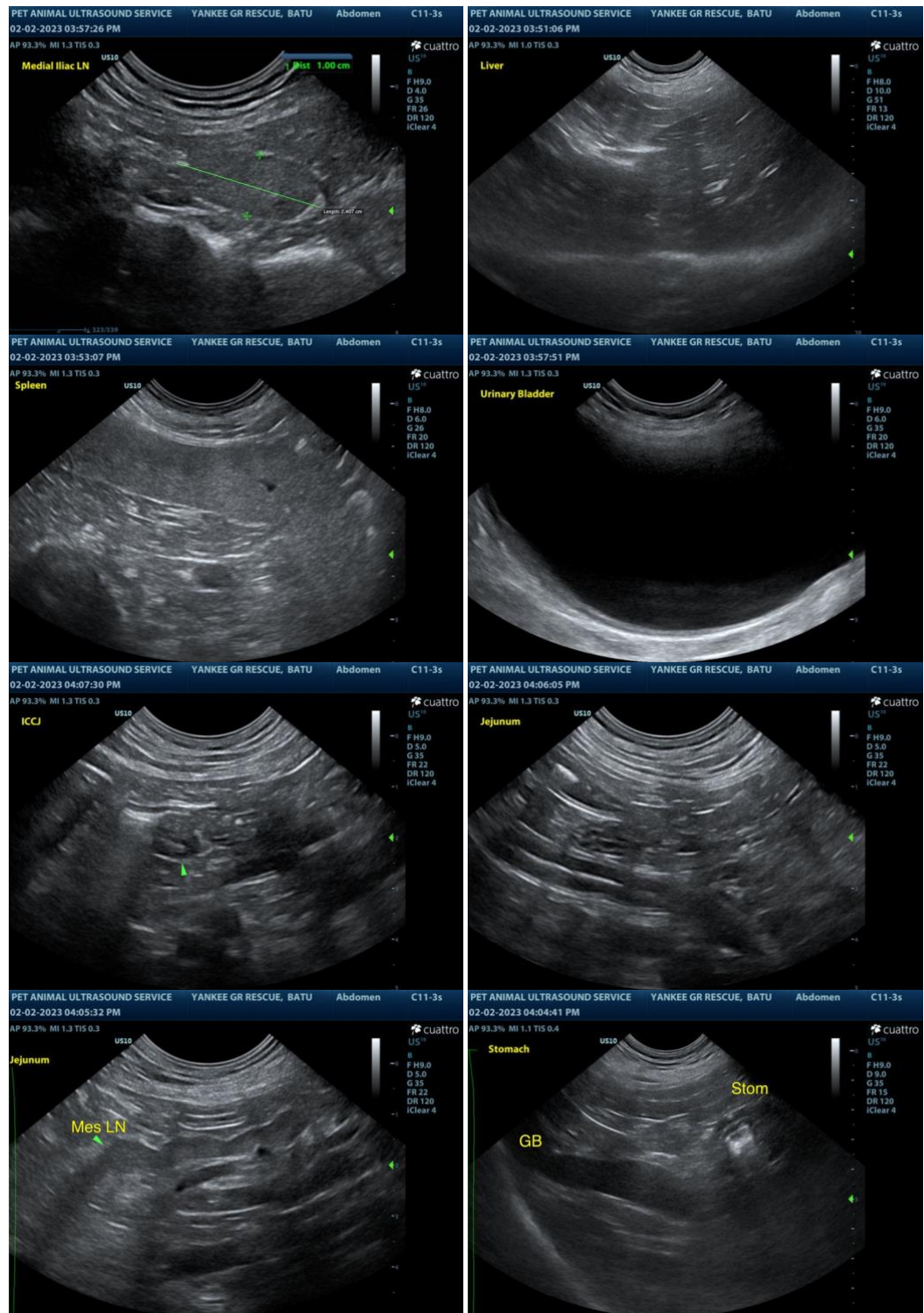
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

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SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
info@SonoPath.com

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

6 Years

WEIGHT

65 Pounds

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