



PATIENT

Barley Ripley

SPECIES

Canine

BREED

Labrador

SEX

FS

AGE

14

WEIGHT

69

INTERPRETED BY

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

IMAGING PERFORMED BY

Adrienne Waffle

HOSPITAL NAME

Torch Lake VC

REFERRING VET

Dr. Pattenberg

INVOICE

15194

DATE

10/12/22

PRESENTING CLINICAL SIGNS

Referral for ultrasound - interested in liver and spleen due to blood work changes
Abnormal PE/Chem/CBC/UA Results: HCT - 35.8 ALT - 146 NO other bloodwork abnormalities

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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.

The area of the aortic trifurcation was free of pathology.

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.3 cm in length. The right kidney measured 6.0 cm in length.

Adrenal Glands

The bilateral adrenal glands were normal in size, though the right adrenal gland was indistinctly visualized. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.68 cm width in the cranial pole and 0.6 cm width in the caudal pole. The right adrenal gland measured 0.76 cm width in the caudal pole.

Spleen

The spleen was normal in size and contour with generalized mild parenchyma heterogeneity. Several to multiple nondisruptive variably sized, nonuniform hyperechoic splenic nodules were present with an example measuring 0.63 cm in diameter. Normal splenic vascularity was present. No splenic masses were noted.

Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size containing mild, primarily dependent, hyperechoic yet nonshadowing luminal gallbladder debris. No evidence of gallbladder or peripheral gallbladder inflammatory criteria was noted. The cystic and common bile ducts were normal.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate ingesta exhibiting mild progressive distal acoustic shadowing. The stomach was



PATIENT	otherwise normal. No evidence of mechanical pyloric outflow obstruction was noted. The presence of gastric ingesta although nonspecific is suggestive of probable recent meal ingestion.
Barley Ripley	
SPECIES	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.
Canine	Normal visible colon wall layers were present with apparent formed feces in lumen.
BREED	<i>Pancreas</i>
Labrador	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 were evident.
SEX	<i>Free Abdomen</i>
FS	No omental masses, lymphadenopathy, or evidence of peritoneal free fluid were noted.
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WEIGHT	<ul style="list-style-type: none"> Normal splenic size / contour exhibiting mild parenchyma heterogeneity, multiple nondisruptive hyperechoic splenic nodules, likely consistent with benign myelolipomas - no evidence of neoplastic criteria
69	<ul style="list-style-type: none"> Hepatic parenchyma remodeling - subjectively benign, suspect low-grade inflammatory hepatopathy Gallbladder Debris (non-mucocele) Bilateral mild chronic renal changes Mild age-related adrenal changes - no evidence of overt adrenal pathology i.e., tumors
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R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	
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HOSPITAL NAME	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Torch Lake VC	Assuming normal clotting status, screening hepatosplenic FNA cytology could be considered for further assessment, yet no evidence of hepatosplenic neoplastic criteria. Hepatosupportive medications such as Denamarin +/- Ursodiol if evidence of cholestasis may prove beneficial.

REFERRING VET

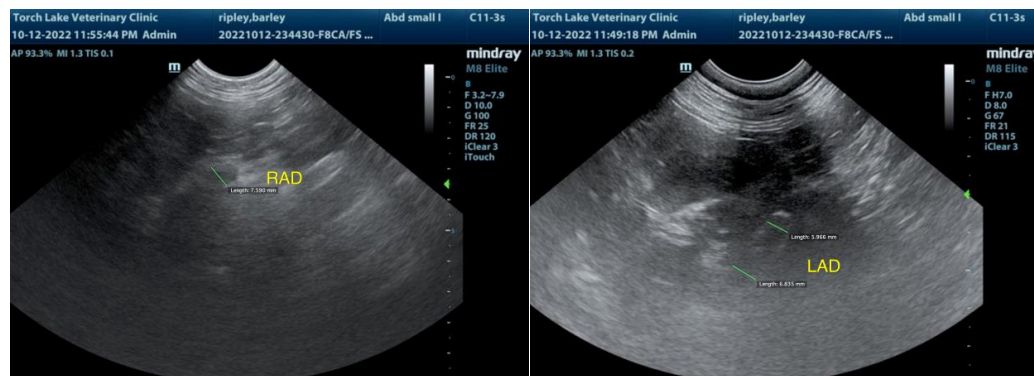
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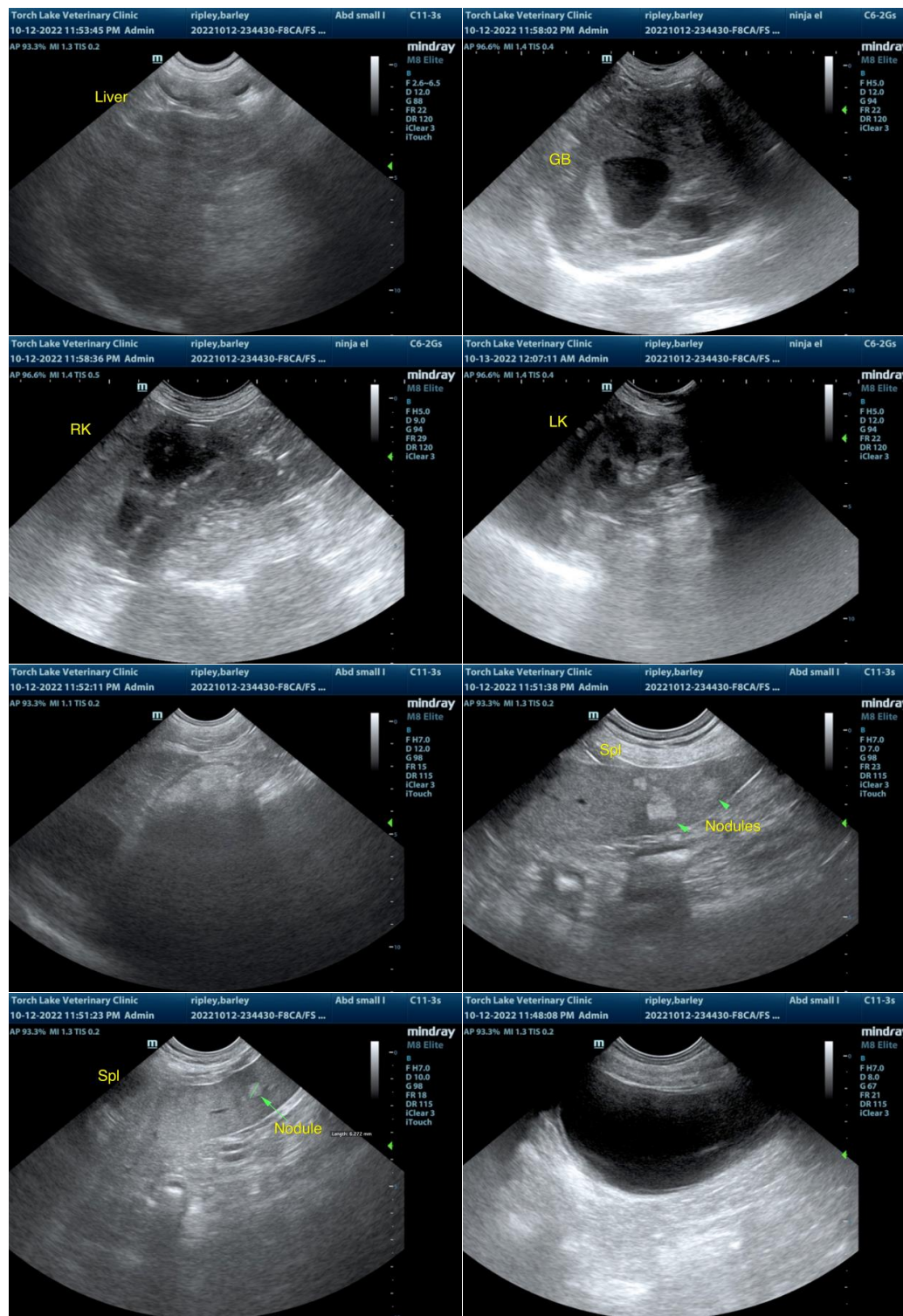
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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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