



PATIENT

Lou Wilson

PRESENTING CLINICAL SIGNS

4d hemorrhagic D+. Decreased appetite and lethargy for 2 days. Panting/pacing last night.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Normal PE. XR's show enlarged liver and liver mass suspected on POCUS. CBC - mild neutrophilia w/ left shift Chem - mild ALT (180), marked elevation ALP (>2000), GGT (368), lipase mild elevation (2621). Coags wnl. No UA.

BREED

French Bulldog

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Spayed Female

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 were noted.

AGE

9 Years

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 4.8 cm. The right kidney measured 4.9 cm.

WEIGHT

12 kg

Adrenal Glands

INTERPRETED BY

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

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.76 cm at the caudal pole. The right adrenal gland measured 2.5 cm length x 0.76 cm at the caudal pole.

Spleen

IMAGING PERFORMED BY

Dr. Guenther

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.

Liver

HOSPITAL NAME

Central Island Vet
Emergency Hospital

The liver was subjectively mildly enlarged. 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. An irregular, non-homogeneous to hyperechoic lobulated intraparenchymal mass lesion was noted in the subjective mid liver, measuring approximately 6.5-7.0 cm in diameter. The mass lesion appeared to mildly distort associated regional hepatic capsule, yet without evidence of capsular escape. Normal perihepatic to generalized omental echogenicity. 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. Minor congealed echogenic non-organized debris present. No evidence of gallbladder or peripheral gallbladder inflammation. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Luo

INVOICE

45560

DATE

2/28/23

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.

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. Minor segmental non-specific mucosal speckling noted.



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Normal visible colon wall layers were present with semiformal to soft fecal matter, consistent with patient history.

SPECIES

Canine

Pancreas

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

BREED

French Bulldog

Free Abdomen

No evidence of intraabdominal lymphadenopathy or peritoneal effusion.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Hepatopathy with irregular non-homogeneous/nodular intraparenchymal mass lesion
- Minor gallbladder debris (non-mucocele)
- Enterocolitis pattern – subjectively mild.
- Minor pancreatic remodeling

AGE

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WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The hepatic intraparenchymal mass lesion was non-specific with both benign and malignant etiologies possible. Correlation with pending FNA cytology recommended. Concurrent hepatic parenchyma FNA cytology could be considered, primarily to assess for evidence of concurrent inflammatory hepatic criteria. No evidence of post-hepatic obstruction or sonographic evidence of significant or active pancreatitis. Empirical therapy for hemorrhagic gastroenteritis or acute hemorrhagic diarrhea syndrome with as needed gastrointestinal support and assessment of gastrointestinal response would be reasonable.

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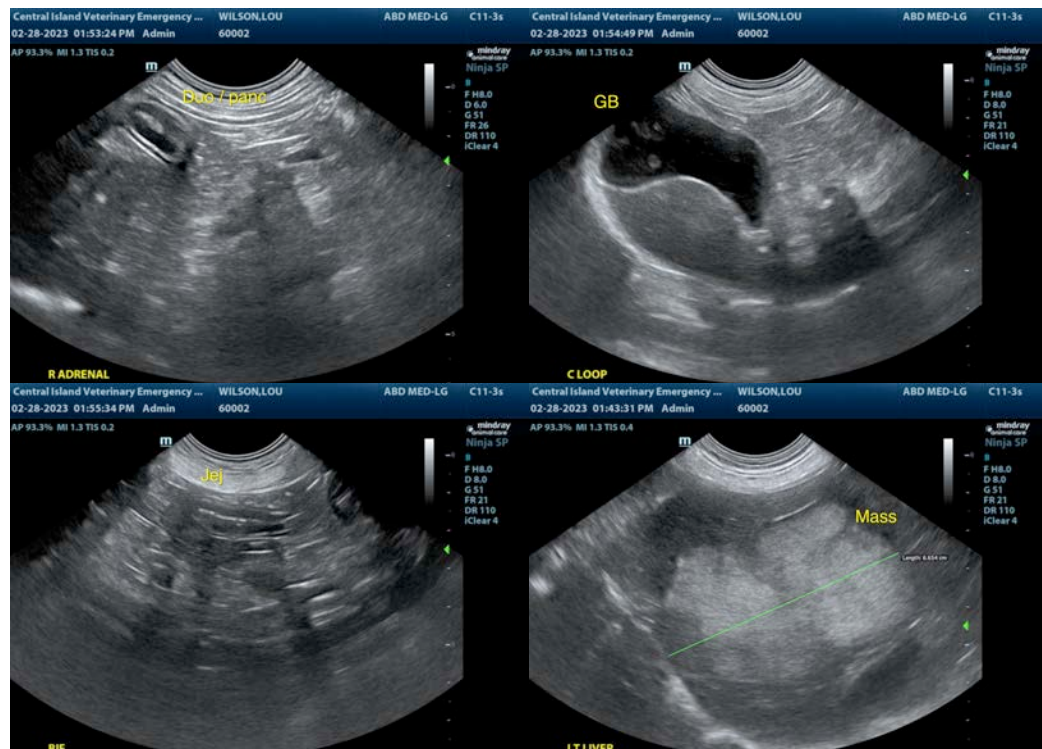
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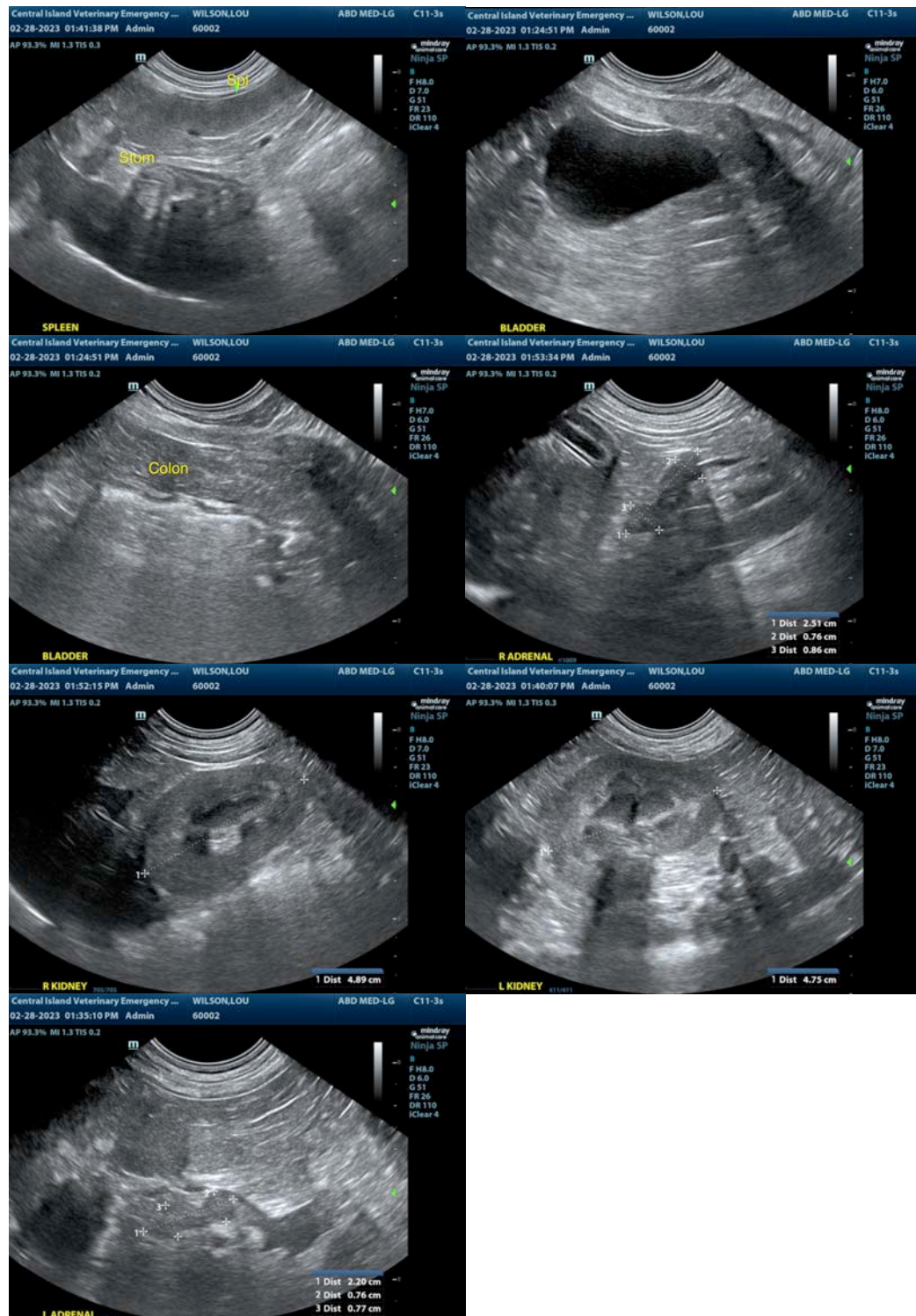
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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