

**PATIENT**

Kane Fuller

SPECIES

Canine

BREED

Pit Bull

SEX

NM

AGE

6 years

WEIGHT

86 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Steven Case

INVOICE

13082

DATE

1/14/22

PRESENTING CLINICAL SIGNS

Increased thirst.

Abnormal PE/Chem/CBC/UA Results: Abnormal values found in blood work (ALP >2400, ALB 4.7).

Low Dose Dexamethasone Suppression Test was performed and found in normal limits and does not coincide with Cushings Disease at this time.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 5.0 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 residual prostate was free of overt pathology measuring 0.7 cm in diameter.

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 and normal corticomodullary 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 pyelectasia. The left kidney measured 7.6 cm in length. The right kidney measured 7.6 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 3.0 cm length x 0.58 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 4.0 cm length x 0.63 cm width at the caudal pole.

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.

Liver/ Gallbladder

The liver exhibited subjective mild generalized enlargement. 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 containing nondependent, focally congealed to mildly shadowing, moderate debris. The gallbladder debris appeared to be primarily mobile. The gallbladder walls were sonographically unremarkable without evidence of inflammatory criteria. Potential areas of minor

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mucus noted between the luminal debris and inner luminal wall is possible. No evidence of perigallbladder inflammation or effusion. The cystic and common bile ducts were normal.

Gastrointestinal**SPECIES**

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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.

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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 were evident.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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ULTRASONOGRAPHIC FINDINGS***Primary Findings***

- Hepatopathy - subjectively benign
- Moderate nondependent, focally congealed to mildly shadowing gallbladder debris (non-mucocele)
- Sonographically unremarkable bilateral kidneys
- Overtly normal bilateral adrenal glands

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The overall appearance of the liver was nonspecific yet consistent with benign hepatopathy. Considerations may include metabolic / vacuolar hepatopathy with nonclinical cholestasis, given the marked ALP elevation and presence of gallbladder debris. Potential for nonspecific hepatitis (infectious, Immune-mediated, etc.), possible without overt evidence of hepatic or hepatobiliary neoplasia.

Assuming normal clotting status, ultrasound-guided FNA of the liver for screening cytology +/- Leptospirosis titers/ PCR, given the potential for PU/PD, could be considered. Hepatic functionality is likely normal in conjunction with normal albumin levels and assuming normal glucose, cholesterol, and BUN levels. Hepatosupportive medications including Denamarin and Ursodiol with monitoring for evidence of increasing hepatic enzymes or cholestasis would be appropriate.

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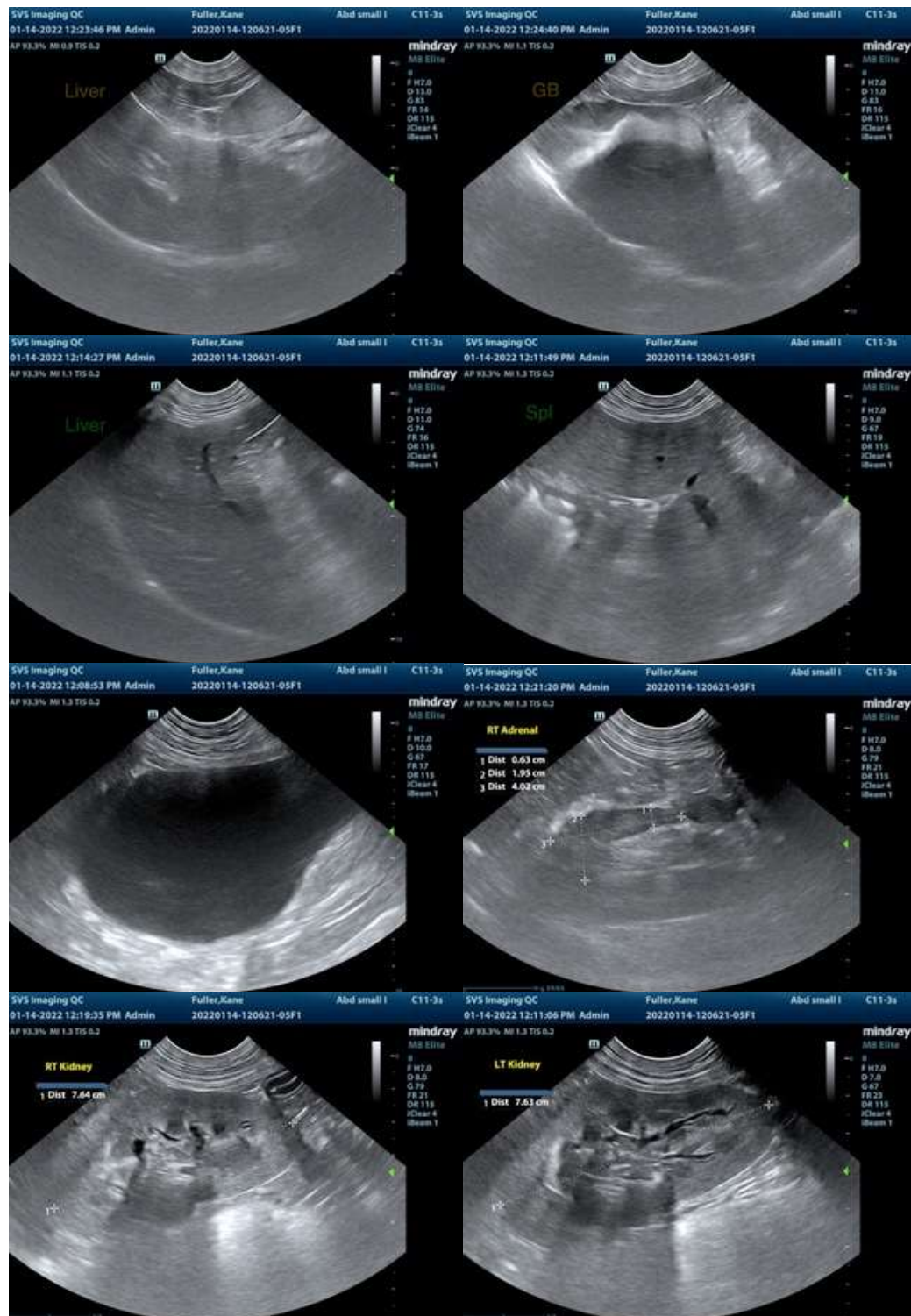
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

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