**PATIENT**

Isis Wubbena

SPECIES

Canine

BREED

Siberian Husky

SEX

SF

AGE

9 yrs

WEIGHT

49 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. Fred Mulch

INVOICE

14717

DATE

8/25/22

PRESENTING CLINICAL SIGNS

Not doing well per owner. Having episodes of falling. Lethargic. Loss of muscle control. Grand Mal Seizure in the exam room this morning - lasted 2 min.

Abnormal PE/Chem/CBC/UA Results: High liver values found Rads: large mass in abdomen

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 areas of the iliac trifurcation and sublumbar space dorsal to the urinary bladder were free of lymphadenopathy/masses.

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 6.9 cm in length. The right kidney measured 8.4 cm in length.

Adrenal Glands

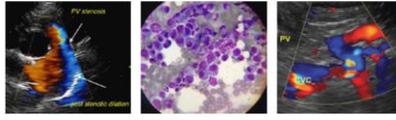
The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.2 cm length x 0.53 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 3.1 cm length x 0.52 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

A large, expansive, irregular mixed echogenic mass appearing to primarily involve the mid, right and caudate liver with caudal expansion past the level of the gastric axis, potentially into the level of the mid-abdomen was present. This mass measured at least 12 cm in diameter but was likely larger as the entire mass would not fit into a single viewing window. Discernable hepatic parenchyma deep to the mass and in the left liver exhibited evidence of parenchymal remodeling and moderate coarse echotexture. The gallbladder was normal in size containing anechoic content with potential mild

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dorsal displacement. Mild dependent hyperechoic to mineralized debris was noted in the gallbladder. The common bile duct was 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

Mild volume peritoneal free fluid exhibiting mild echogenic changes was present. Regional mildly hyperechoic mesentery was noted around the liver and hepatic mass.

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ULTRASONOGRAPHIC FINDINGS**INTERPRETED BY**

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DVM, DABVP
(Canine and Feline)

- Large, expansive, irregular, mixed echogenic liver mass
- Mild gallbladder mineral / small choleliths
- Sonographically unremarkable spleen
- Mild to moderate volume peritoneal free fluid

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**HOSPITAL NAME**

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Although sampling is required for further clarification, the hepatic mass was sonographically consistent with neoplastic criteria such as adenocarcinoma or other.

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FNA cytology of the mass could be considered for further clarification and potential for an oncology consult. Surgical options for the hepatic mass appear to be precluded, given its size, suspected involvement of more than one liver lobe, and likely extension into the area of the porta hepatis.

Unfortunately, an unfavorable prognosis is likely indicated.

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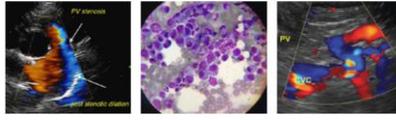
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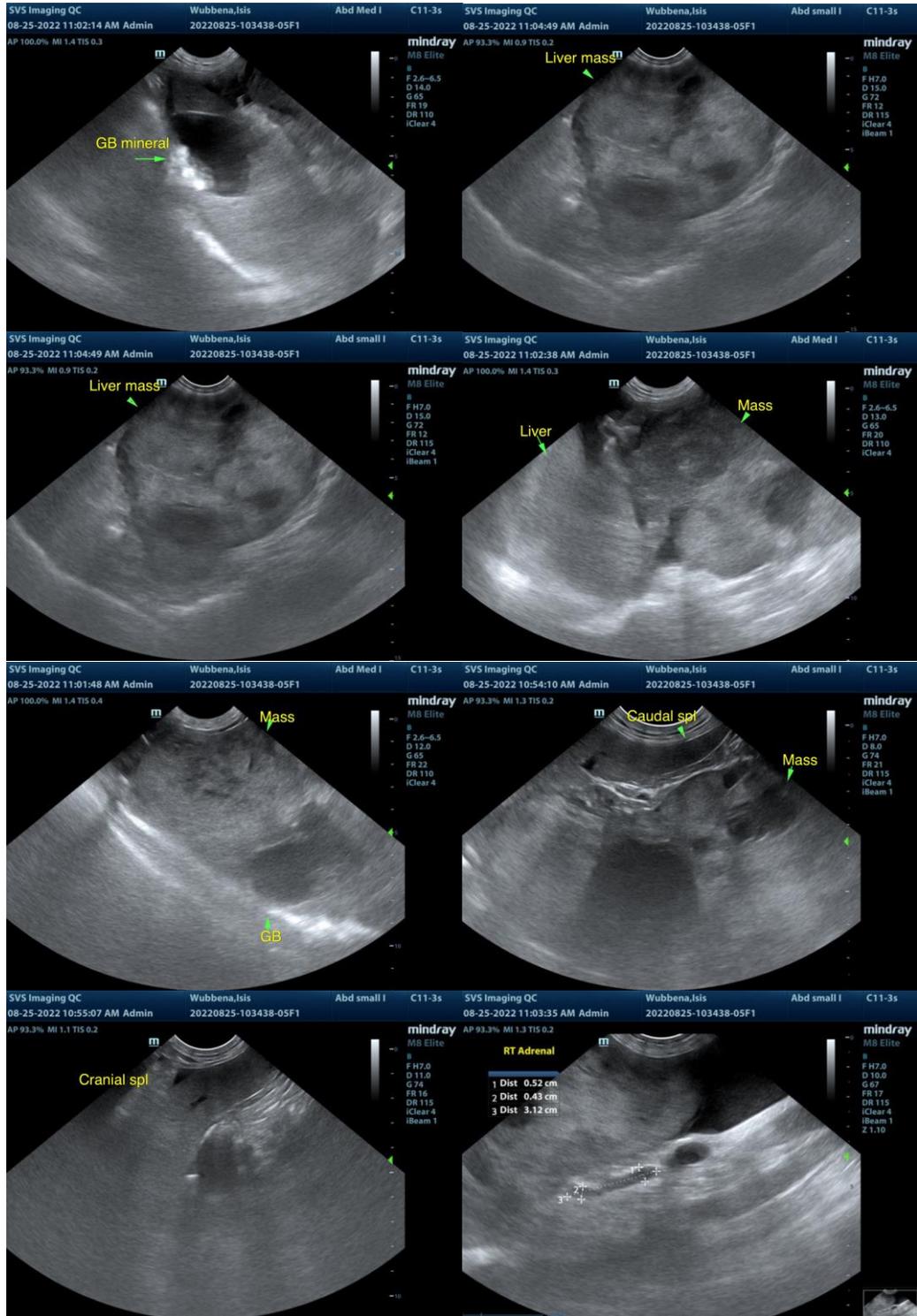
Dr. Fred Mulch

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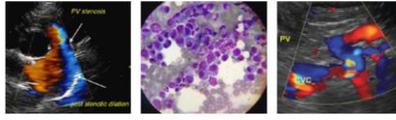
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svsmobileimaging.com 309-737-3070



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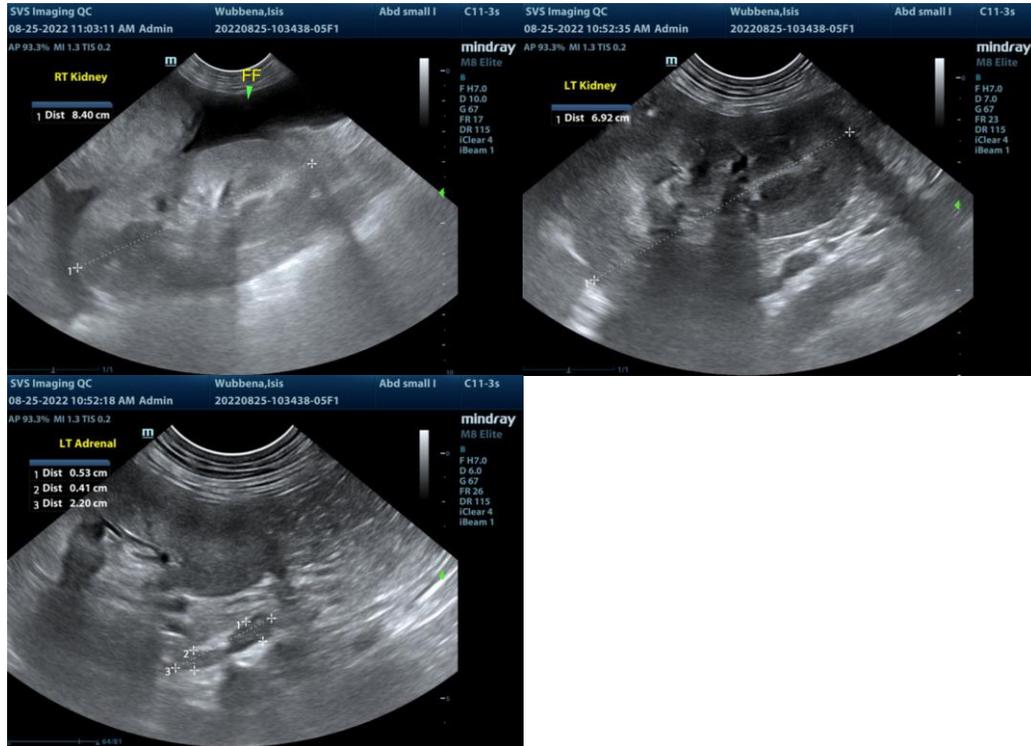
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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) info@SonoPath.com