

**PATIENT**

Sammy Yu

SPECIES

Canine

BREED

Beagle Mix

SEX

MN

AGE

9yr

WEIGHT

36lb

INTERPRETED BYR. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)**IMAGING PERFORMED BY**

Sarah Pender CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

Dr. Pelzer

INVOICE

12013ag

DATE

10/26/2022

PRESENTING CLINICAL SIGNS

Recurrence of cutaneous mast cell tumor on chest. Histopath from initial removal in June 2022 showed grade II (Patnaik system) / high grade (Kiupel system) completely excised. Asymptomatic currently

Abnormal PE/Chem/CBC/UA Results: 1.5cm round cutaneous mass R cranial chest, close to location of previous mast cell tumor removal. Has Grade 2/6 L sided heart murmur (asymptomatic). Peripheral lymph nodes palpate WNL. Obese. Blood work in June normal other than mildly elevated ALP.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**Urinary System**

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.

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 4.9 cm in length. The right kidney measured 5.9 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.46 cm width at the caudal pole and 2.4 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.49 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

The liver presented enlarged in size. 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 in size with primarily anechoic luminal content and mild echogenic non-organized debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

Gastrointestinal



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

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.

SEX

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

AGE

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ULTRASONOGRAPHIC FINDINGS

- Vacuolar hepatopathy pattern-benign
- Mild gallbladder debris (non-mucocele)
- Sonographically normal spleen

WEIGHT

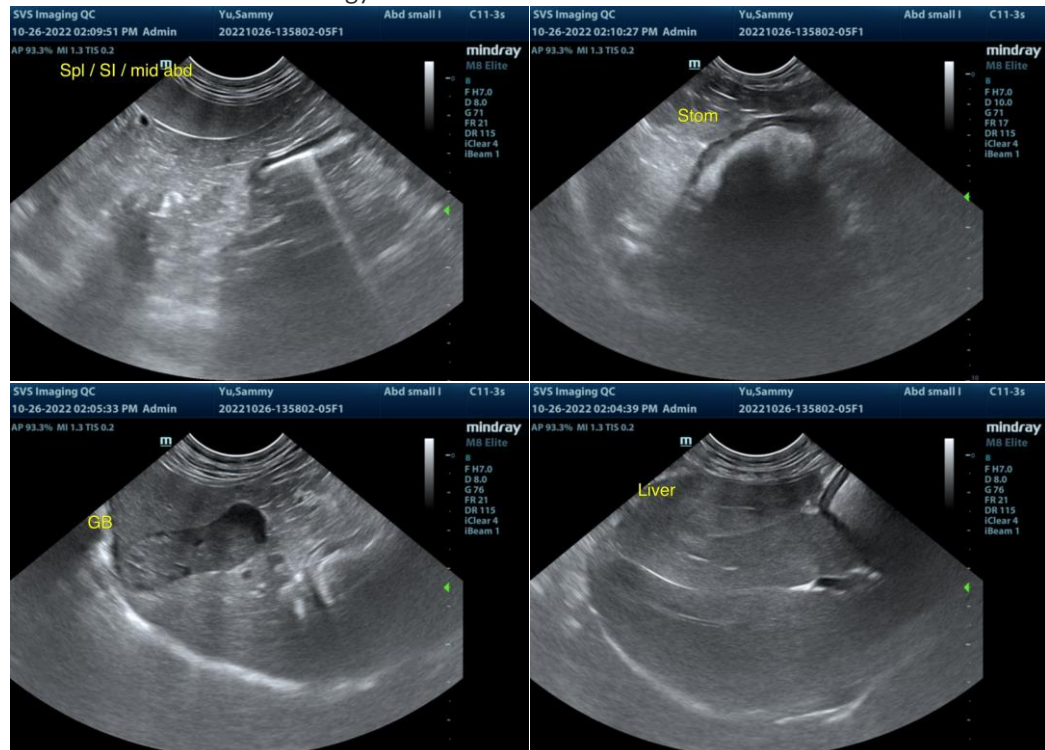
36lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of intra-abdominal primary neoplastic or metastatic criteria was observed. Assuming normal clotting status and using a 25g needle, a hepatosplenic FNA for screening cytology could be considered for further assessment or if recommended by an oncologist. Hepatosupportive medications such as Denamarin or Vitamin E as well as Ursodiol may prove beneficial. Sonographic monitoring of the abdomen based on oncology recommendations would be reasonable.

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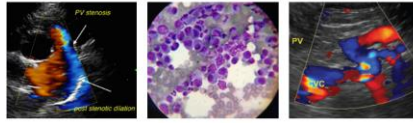
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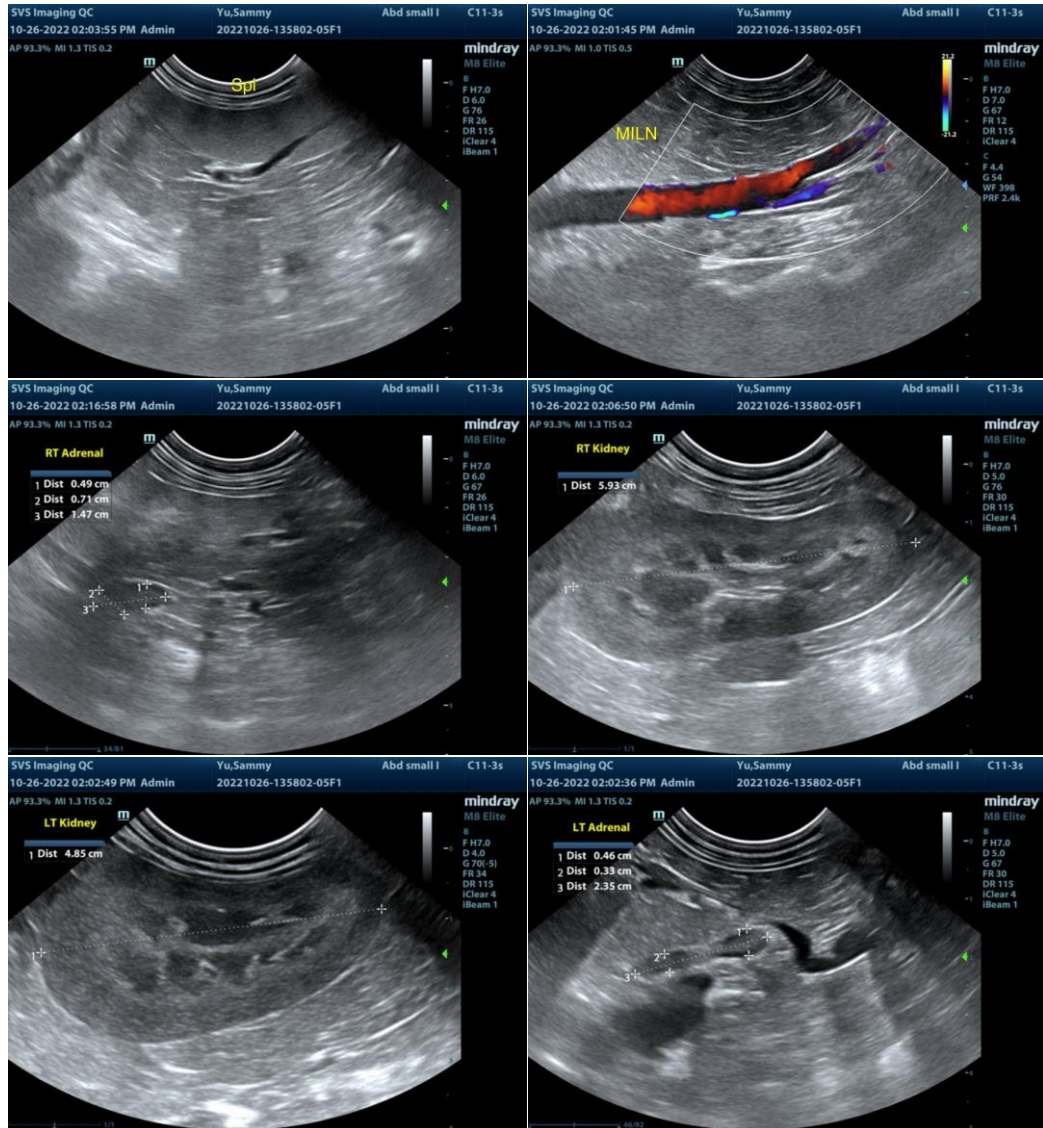
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

info@SonoPath.com