

**PATIENT**

Lucky Shatt

**SPECIES**

Canine

**BREED**

Collie Mix

**SEX**

MN

**AGE**

9 years

**WEIGHT**

67 lbs.

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

Rachel Runnells, RVT

**HOSPITAL NAME**

SVS Imaging KC

**REFERRING VET**

Dr. Jonathon Renfro

**INVOICE**

15243

**DATE**

10-25-22

**PRESENTING CLINICAL SIGNS**

R sided head tilt, losing balance when walking, E/D normal. No V/D present. Bloating belly and 2lb gain since Sept 17th.

Abnormal PE/Chem/CBC/UA Results: Pale mucus membranes, distended abdomen on palpation

**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 residual prostate was free of overt pathology.

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 corticomodullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.8 cm in length. The right kidney measured 6.9 cm in length.

**Adrenal Glands**

The bilateral adrenal glands were overtly normal in size, position, and shape. The left adrenal gland measured 3.1 cm length x 0.68 cm width at the caudal pole. The right adrenal gland measured 2.8 cm length x 0.60 cm width at the caudal pole.

**Spleen**

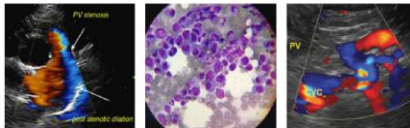
A moderately sized to expansive nonhomogeneous focally cavitated splenic mass measuring approximately 12.0-13.0 cm in diameter was present. Concurrent, separate, discrete splenic intraparenchymal nodules were also present.

**Liver/ Gallbladder**

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. Solitary to possible several mildly expansive nonhomogeneous intraparenchymal nodules were noted with an example measuring 2.2 cm in diameter. 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 containing minor, echogenic gallbladder debris. The gallbladder was otherwise normal. 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 was empty 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.

Normal visible colon wall layers were present with apparent formed feces in lumen.

**SPECIES**

Canine

***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.

**BREED**

Collie Mix

***Free Abdomen***

Generalized regional mild nonuniform hyperechoic mesentery was present. Intermittent nonhomogeneous mildly enlarged perisplenic mesenteric lymphadenopathy exhibiting abnormal width: length ratio (>0.5) was present. Moderate volume peritoneal free fluid exhibiting mild echogenic changes, consistent with mild fluid cellularity, was noted.

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Brief sonographic assessment of the heart revealed no overt evidence of pericardial effusion or metastasis.

**ULTRASONOGRAPHIC FINDINGS****WEIGHT**

67 lbs.

- Nonhomogeneous focally cavitated splenic mass - consistent with malignant neoplastic criteria i.e., sarcoma, round cell neoplasia, or other
- Nonspecific yet highly suspicious focal to intermittent hepatic intraparenchymal nodules
- Perisplenic mesenteric lymphadenopathy
- Moderate volume peritoneal free fluid - consistent with probable hemoabdomen

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Unfortunately, sonographic findings are consistent with primary malignant splenic neoplasia with evidence of hepatic and regional perisplenic lymphatic metastasis with the possibility of concurrent perisplenic omental seeding i.e., sarcomatosis, lymphomatosis, or similar.

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Given this presentation, surgery is likely to be noncurative with an unfavorable long-term prognosis indicated.

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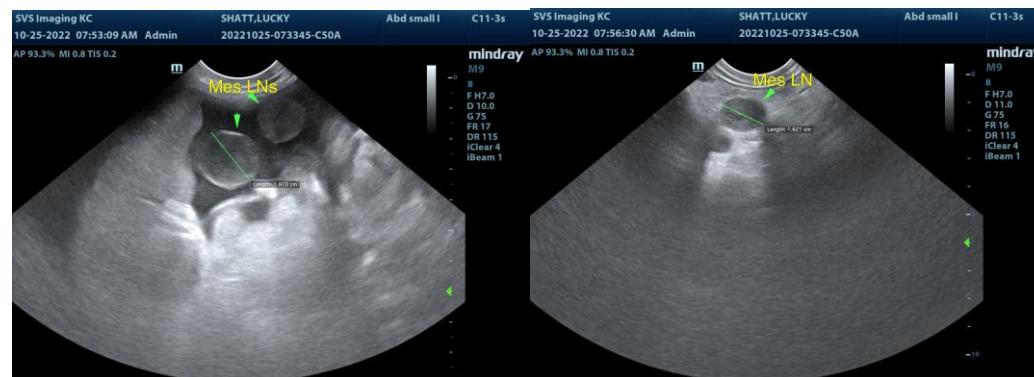
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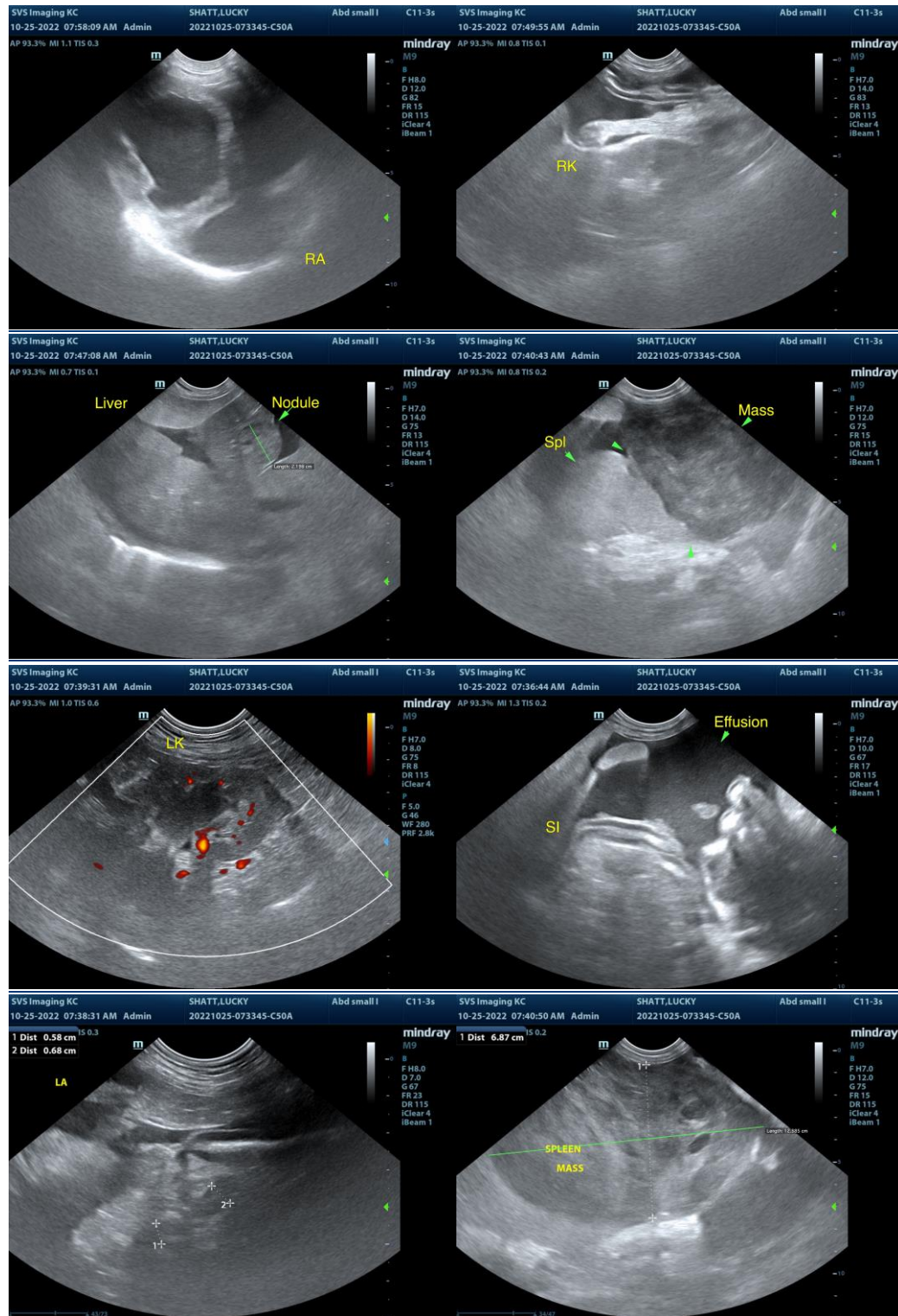
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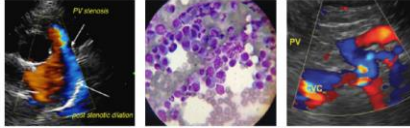
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**Clinical Sonography & Telectology**

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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**