

**PATIENT**

Rita Spurgeon

**SPECIES**

Canine

**BREED**

Pit Bull

**SEX**

FS

**AGE**

7yr

**WEIGHT**

43.6lb

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

Rachel Runnells RVT

**HOSPITAL NAME**

SVS Imaging KC

**REFERRING VET**

Dr. Mulloy

**INVOICE**

11228ag

**DATE**

07/29/2022

**PRESENTING CLINICAL SIGNS**

History: Starting April 2022 patient presented for not eating, weight loss, vomiting 1-2 x per week, less energetic.

Abnormal PE/Chem/CBC/UA Results: Whipworm positive. CBC normal. Chem decreased phosphorus, increased calcium, slight elevation in ALP, T4 and Chol WNL, UA= WBC's 1-2 per hpf, rbc's 2-5 per hpf, Resting Cortisol Levels normal, Abd. rads show possibility for underlying hepatic mass.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN****Urinary System**

The urinary bladder was subnormal in size preventing full evaluation of the bladder walls. The trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with mild nondependent particulate sediment likely consistent with cellular debris/protein, crystalline debris or mucus. 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 7.3 cm in length. The right kidney measured 7.8 cm in length.

The area of the aortic trifurcation was free of pathology.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm width at the caudal pole and 0.44 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.76 cm width at the caudal pole and 0.70 cm width at the cranial pole.

**Spleen**

The spleen exhibited generalized parenchyma heterogeneity. No masses or nodules were observed. 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.

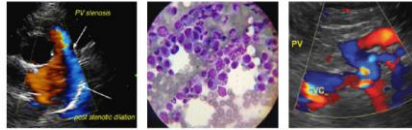
**Liver**

The liver exhibited moderate to marked enlargement with asymmetric contour and diffuse nonuniform heterogeneous parenchyma exhibiting multi focal variable sized to expansive nodules. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate nondependent hyperechoic nonorganized debris. 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.

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.



**PATIENT**

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

Rita Spurgeon

**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.

**SPECIES**

Canine

**Free Abdomen**

**BREED**

Pit Bull

Small pockets of scant primarily peri hepatic free fluid was present with associated enlarged to swollen hepatic lymph nodes, an example measured 2.6 cm in diameter.

**SEX**

FS

- Marked hepatomegaly exhibiting diffuse nodular parenchyma-consistent with neoplastic criteria
- Associated hepatic lymphadenopathy and scant peri hepatic free fluid
- Overtly normal GI tract
- Mild heterogeneous spleen

**AGE**

7yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Assuming normal clotting status a hepatic FNA for cytology and potential oncology consult with immediate chemotherapeutic intervention is warranted. Concurrent screening splenic FNA could be considered. Three view chest radiographs suggested if not done. This case is non-surgical. As needed GI support would be reasonable.

**WEIGHT**

43.6lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Rachel Runnells RVT

**HOSPITAL NAME**

SVS Imaging KC

**REFERRING VET**

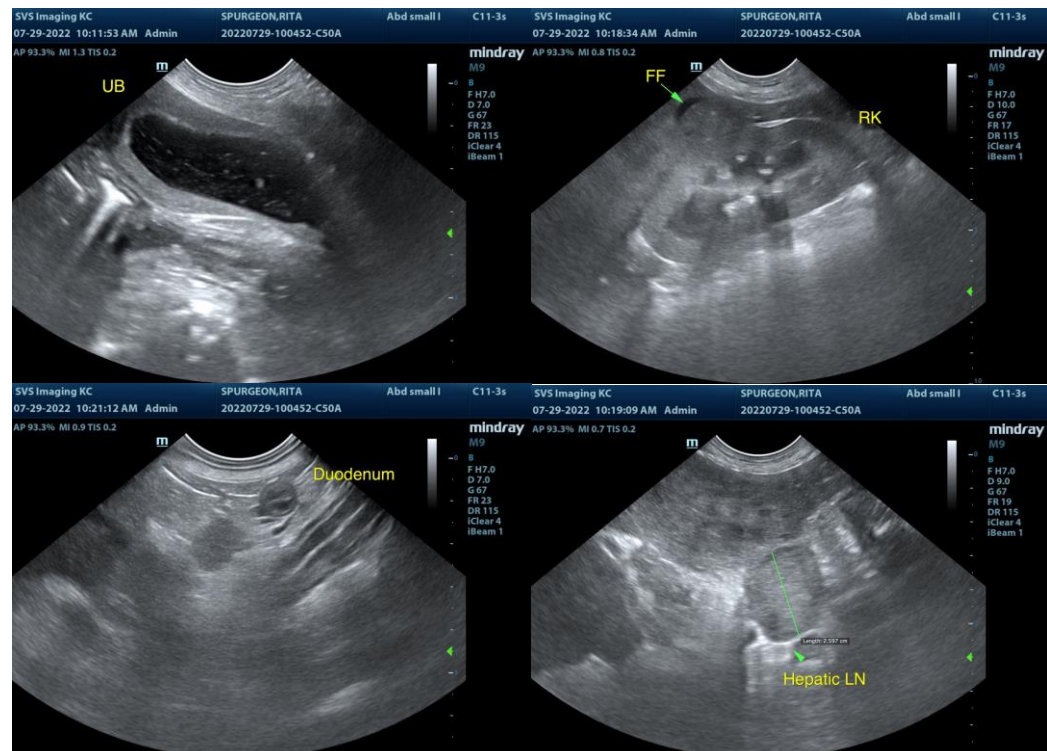
Dr. Mulloy

**INVOICE**

11228ag

**DATE**

07/29/2022



IMAGING PERFORMED BY

SVS Mobile Imaging KC 816-401-5010  
svsimagingkc@gmail.com



Clinical Sonography & Telectyology

EDUCATIONAL TELECONSULTATION SERVICES™

1-800-838-4268 info@sonopath.com SonoPath.com

PATIENT

Rita Spurgeon

SPECIES

Canine

BREED

Pit Bull

SEX

FS

AGE

7yr

WEIGHT

43.6lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Rachel Runnells RVT

HOSPITAL NAME

SVS Imaging KC

REFERRING VET

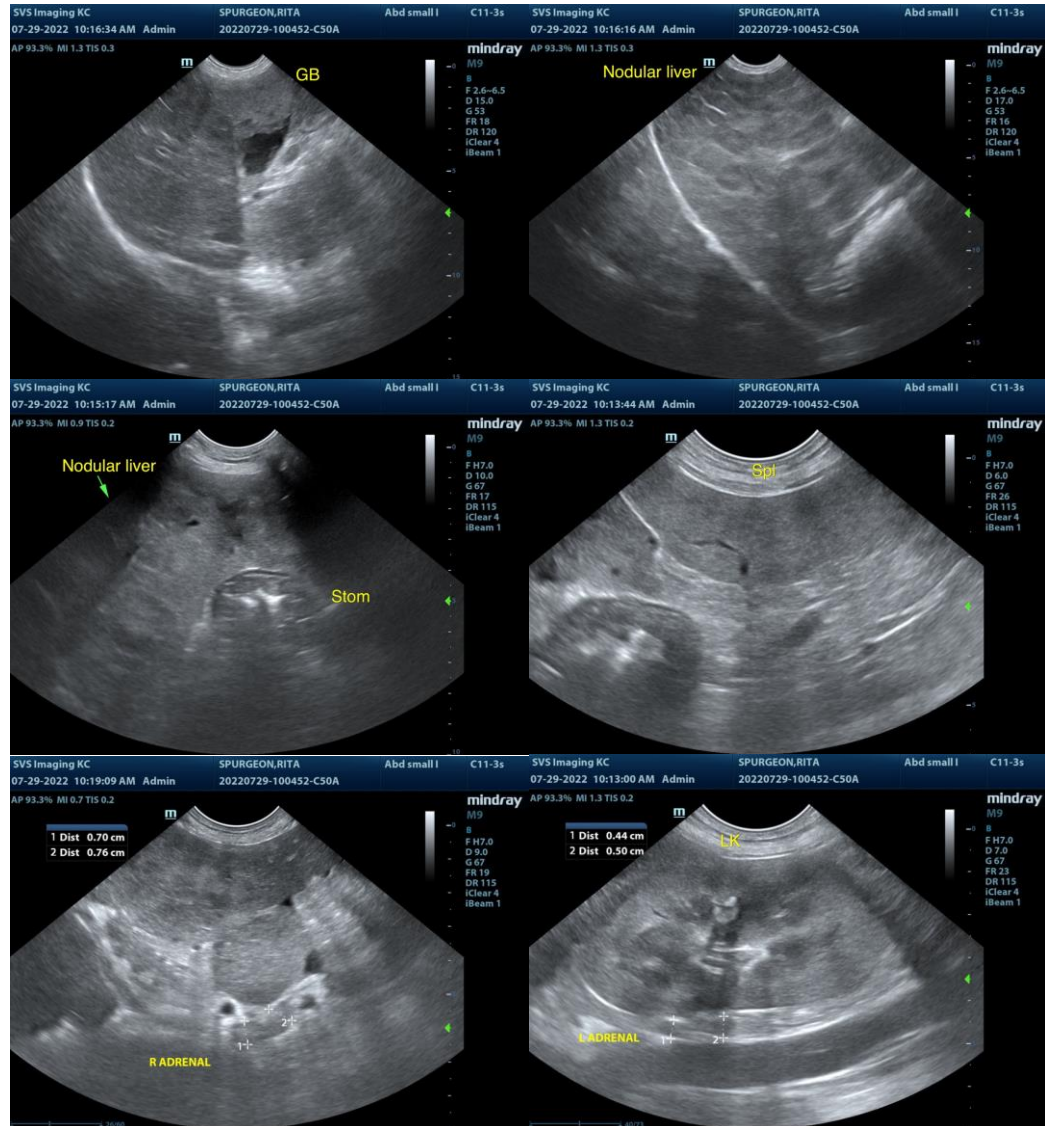
Dr. Mulloy

INVOICE

11228ag

DATE

07/29/2022



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