



**PATIENT PRESENTING CLINICAL SIGNS**

Sarah Kutz History: Vomiting, decreased appetite, diarrhea  
Medication: Pepcid, Cerenia, Entyce

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Rhodesian Ridgeback

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.

**SEX**

FS

The area of the aortic trifurcation was free of pathology.

**AGE**

10 years

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 6.2 cm in length. The right kidney measured 6.8 cm in length.

**WEIGHT**

66 Pounds

**Adrenal Glands**

The left and right adrenal glands were not definitively visualized owing to the presence of peritoneal effusion and increased omental artifact.

**INTERPRETED BY**

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

**Spleen**

A mass involving the spleen with secondary capsule expansion and disruption was present and measured 8.0 cm - 9.0 cm in diameter. The parenchyma of the mass was heterogeneous to mixed echogenic without areas of cavitation. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**Liver/ Gallbladder**

**HOSPITAL NAME**

Maple Hills VH

The liver exhibited generalized enlargement with asymmetrical capsule contour and generalized nonuniform to nodular omentum with intermittent nodular mass lesions. An example measured 7.0 cm in diameter.

**REFERRING VET**

Dr. Eckman

The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**Gastrointestinal**

**INVOICE**

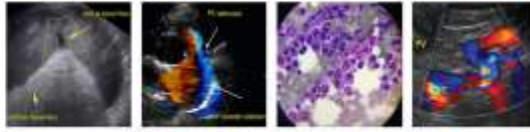
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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

**DATE**

10.11.2021

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.

Sarah Kutz

**Pancreas**

**SPECIES**

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.

Canine

**Free Abdomen**

**BREED**

Primarily perisplenic to generalized nonuniformly hyperechoic to nodular mesentery was present. Moderate, subjectively cellular peritoneal effusion was present. No overt lymphadenopathy was present, although potential for perisplenic lymphadenopathy, given the nodular appearance of the omentum, cannot be excluded.

Rhodesian Ridgeback

**SEX**

Rapid view of the heart revealed no overt evidence of pericardial effusion or pericardial masses. However, concurrent pleural effusion was present.

FS

**AGE**

**ULTRASONOGRAPHIC FINDINGS**

10 years

**Primary Findings**

- Nonhomogeneous splenic mass
- Hepatomegaly with nonuniform parenchyma and multiple nodular mass lesions
- Regional to generalized primarily perisplenic nonuniformly hyperechoic to nodular omentum and moderate cellular peritoneal effusion
- Concurrent, noncardiogenic pleural effusion

**WEIGHT**

66 Pounds

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(Canine and Feline)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Sonographic abnormalities consistent with multicentric hepatosplenic neoplasia with suspected omental seeding to potential adhesions were present. Given the presence of concurrent noncardiogenic pleural effusion, thoracic involvement is also likely. Surgical options are unfortunately precluded in this case. An unfavorable prognosis is indicated.

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ARDMS/RVT

**HOSPITAL NAME**

Maple Hills VH

**REFERRING VET**

Dr. Eckman

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**PATIENT**

Sarah Kutz

**SPECIES**

Canine

**BREED**

Rhodesian Ridgeback

**SEX**

FS

**AGE**

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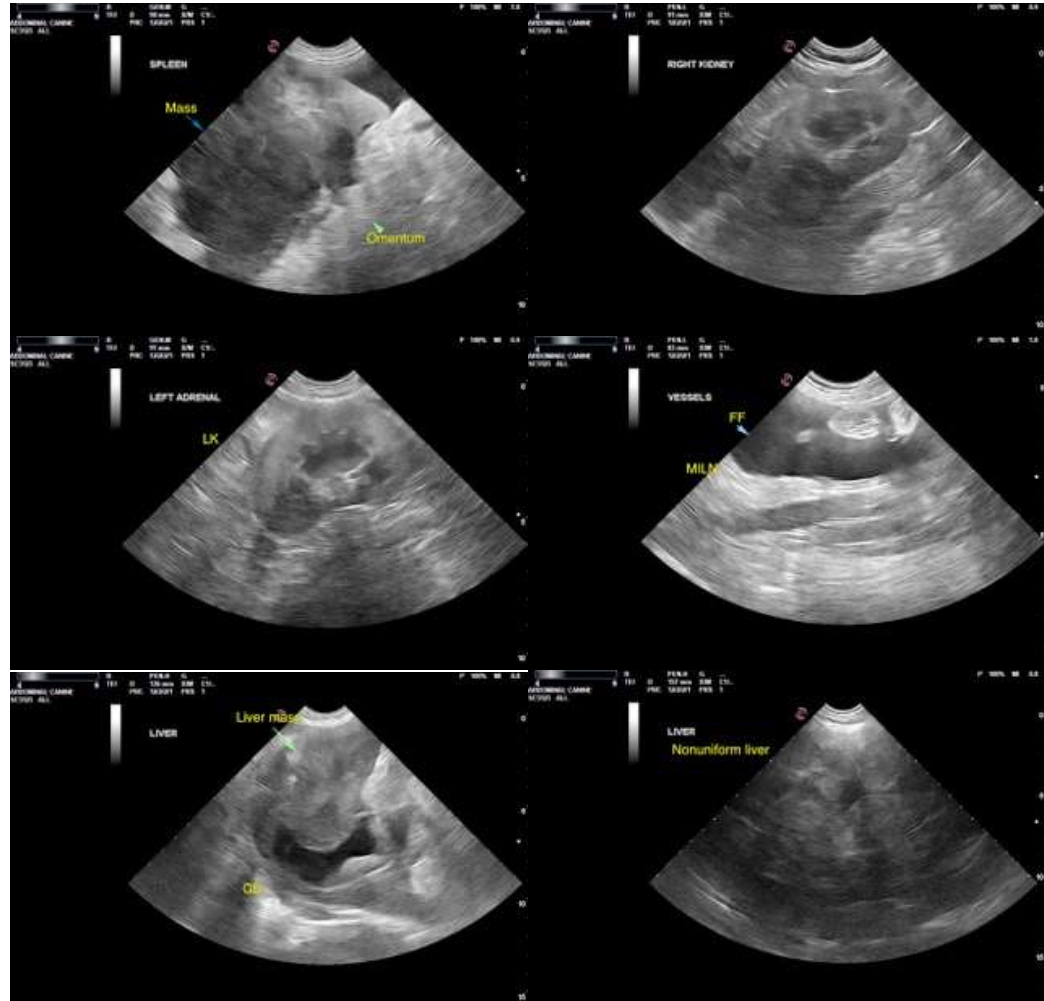
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**  
[mac.daniel@sonopath.com](mailto:mac.daniel@sonopath.com)