



PATIENT

Georgia Sadler

SPECIES

Canine

BREED

Golden

SEX

Spayed Female

AGE

11 Years

WEIGHT

90 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. Fishbaugher

INVOICE

12562

DATE

11/16/21

PRESENTING CLINICAL SIGNS

History: Diarrhea, lethargy, decreased appetite over the last few days. Abnormal PE/Chem/CBC/UA Results:RBC 4.16 (5.5-8.5) HGB 9.3 (12-18), HCT 29.96 (37-55), Platelet (78 (165-500) Anemia with thrombocytopenia Pale mucous membranes, elevated heart rate at 120 bpm. No masses felt to be present in the abdomen. Radiograph: Suspicious for a mass in the area of the spleen and possibly in the liver. Due to increased opacity and lacking detail of organs, may have free abdominal fluid present.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 were noted.

No overt pathology in the area of the aortic trifurcation.

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 7.3 cm in length. The right kidney measured 7.0 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 2.5 cm length x 0.63 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 2.7 cm length x 0.61 cm width at the caudal pole.

Spleen

The spleen exhibited potential for a combination of maintained finely textured homogeneous parenchyma with several to multiple variably sized hypoechoic to expansive parenchymal nodules to nodular mass lesions, some exhibiting subtle distortion of the splenic capsule were present. An example of a splenic nodule measured 1.6 cm in diameter. An example of a splenic nodular mass lesion in the subjective mid spleen measured 3.5 cm in diameter. An example of a nodular mass lesion at the cranial spleen measured 4.3 cm in diameter. Subtle evidence of perisplenic reactive mesentery.

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. Overt evidence of hepatic parenchymal masses or nodules were not obvious.

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate echogenic, ingesta exhibiting subtle to progressive distal acoustic shadowing without signs of obstruction or foreign material. The gastric body wall measured 0.35 cm.



PATIENT	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. The duodenum wall measured 0.48 cm. The jejunum wall measured 0.32 cm.
Georgia Sadler	
SPECIES	Normal visible colon wall layers were present with apparent formed feces in lumen.
Canine	Pancreas
BREED	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.
Golden	Free Abdomen
SEX	No overt lymphadenopathy. Mild primarily perisplenic to perihepatic free fluid was present. The fluid was subjectively primarily anechoic with potential for mild cellular component.
Spayed Female	A rapid view of the right auricular revealed no evident pathology.
AGE	Other
11 Years	No overt pathology in the area of the uterine remnant.
WEIGHT	ULTRASONOGRAPHIC FINDINGS
90 lbs	<ul style="list-style-type: none"> • Multiple variably sized yet expansive hypoechoic splenic nodules to nodular masses • Hepatic parenchymal remodeling • Bilateral mild chronic renal changes • Gastric ingesta-postprandial presentation, potential for gastric hypomotility or stasis if documented NPO and in light of history of decreased appetite • Mild primarily perisplenic to perihepatic free fluid- concern for hemoabdomen
INTERPRETED BY	INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Although histopathology is required for definitive diagnosis, the splenic nodules to nodular masses are suggestive of neoplastic criteria such as sarcoma, round cell neoplasia or other. Benign pathologies such as areas of hyperplasia, hematopoiesis, acute infarction or splenitis possible, yet considered less likely. Intraabdominal metastasis was not overtly evident yet the possibility of sonographically undetectable metastasis/micrometastasis cannot be definitively excluded. No overt evidence of concurrent gastrointestinal mural pathology or mechanical obstruction. Assuming no evidence of thoracic pathology or metastasis on three-view chest radiographs, laparotomy with expectations toward splenectomy and gross inspection of the liver and gastrointestinal tract may be considered. Empirically, as needed gastrointestinal support is recommended.
IMAGING PERFORMED BY	
Sarah Pender, CVT	
HOSPITAL NAME	
SVS Imaging QC	
REFERRING VET	
Dr. Fishbaugher	
INVOICE	
12562	
DATE	
11/16/21	



PATIENT

Georgia Sadler

SPECIES

Canine

BREED

Golden

SEX

Spayed Female

AGE

11 Years

WEIGHT

90 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

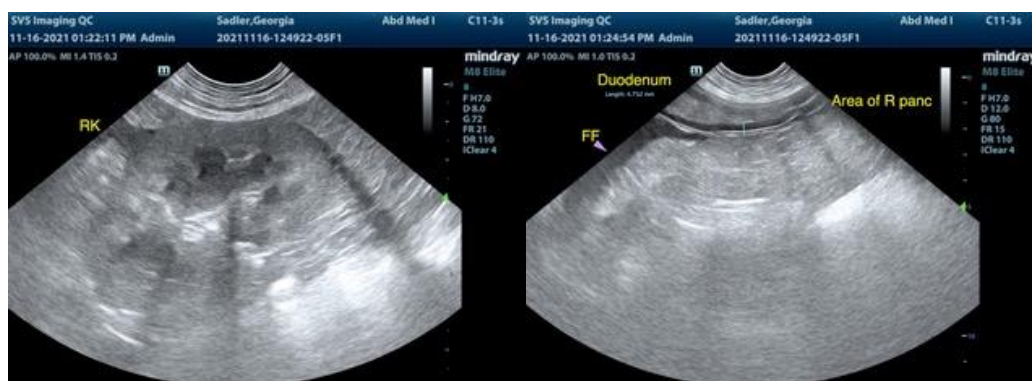
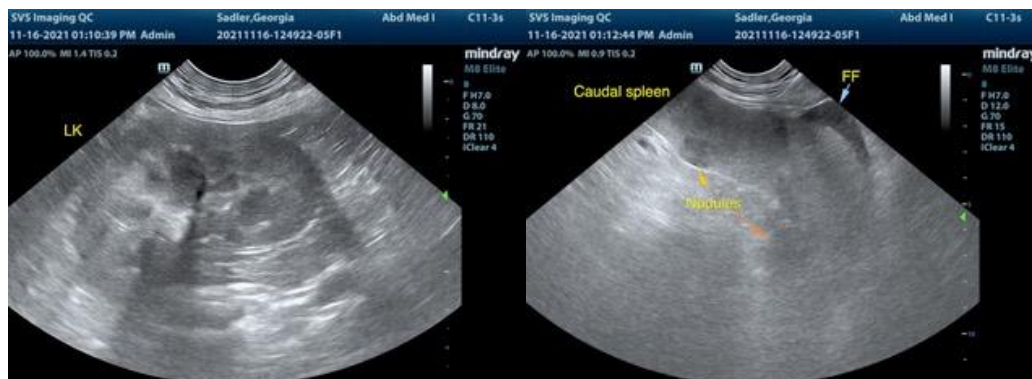
Dr. Fishbaugher

INVOICE

12562

DATE

11/16/21





PATIENT

Georgia Sadler

SPECIES

Canine

BREED

Golden

SEX

Spayed Female

AGE

11 Years

WEIGHT

90 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Sarah Pender, CVT

HOSPITAL NAME

SVS Imaging QC

REFERRING VET

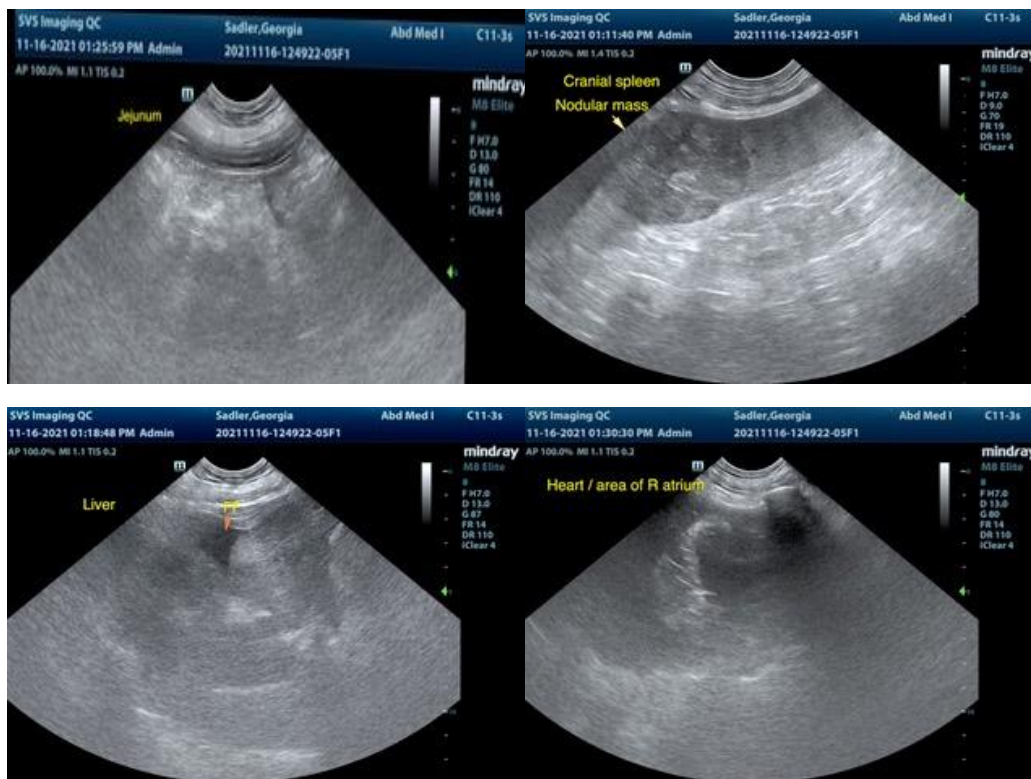
Dr. Fishbaugher

INVOICE

12562

DATE

11/16/21



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)
info@SonoPath.com