



PATIENT

Pebbles Begoske

SPECIES

Canine

BREED

Small Mixed Breed

SEX

Spayed Female

AGE

12 Years

WEIGHT

7.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

Town Center VA

INVOICE

17932

DATE

11/10/22

PRESENTING CLINICAL SIGNS

History: 2 days ago, started breathing differently and pacing. Has reflux, so owner gave her famotidine, but it didn't help, so went to AEC. Found progressing heart disease and abdominal masses. Echo showed too progressed heart disease to anesthetize, so is opting for palliative treatment. Is eating better today and acting better. Taking Enalapril and Pimobendan well.

Abnormal PE/Chem/CBC/UA Results: Assessment: heart failure, abdominal mass Diagnostics: none Tx: none Plan: tech appt. 2 weeks for Adult chem/CBC/electrolytes, monitor SRR<30 to determine if needing diuretic as well. Masses may rupture and acutely go shocky-owner will euth at that time-if open, we will accomodate Rx: none

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

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 3.6 cm in length. The right kidney measured 3.8 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 0.44 cm width at the caudal pole and 0.4 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 0.41 cm width at the caudal pole and 0.44 cm width at the cranial pole.

Spleen

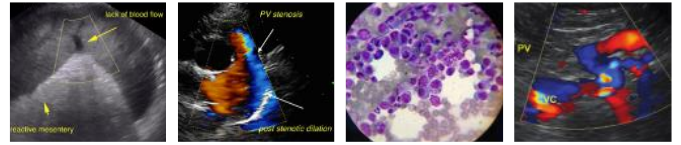
A moderately sized asymmetrical to expansive hypoechoic splenic mass was noted with concurrent nondisruptive intrasplenic hypoechoic nodules exhibiting similar echogenicity as the splenic mass. Regional perisplenic hyperechoic mesentery noted, along with intermittent to multiple hypoechoic to swollen splenic lymph nodes exhibiting abnormal width to length ratio >0.5 cm. The splenic mass measured approximately 5.0 cm in diameter. An example of splenic lymph node measured 1.5 cm x 1.3 cm. Potential for omental adhesions to the splenic mass is possible.

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 parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. Multiple primarily small yet variably sized well demarcated uniform hypoechoic hepatic intraparenchymal nodules noted. An example of nodule size noted adjacent to the gallbladder measured 0.6 cm in diameter.



PATIENT	The gallbladder was non distended in size with mild echogenic, nonmineralized biliary sludge. No evidence of gallbladder or peripheral gallbladder inflammatory criteria. The cystic duct and common bile ducts were normal without evidence of dilation.
Pebbles Begoske	
SPECIES	<i>Gastrointestinal</i>
Canine	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.
BREED	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.
Small Mixed Breed	Normal visible colon wall layers were present with apparent formed feces in lumen.
SEX	<i>Pancreas</i>
Spayed Female	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.
AGE	<i>Free Abdomen</i>
12 Years	No evidence of peritoneal free fluid was present. No evidence of medial iliac or sublumbar lymphadenopathy/masses.
WEIGHT	<i>Other</i>
7.6 Pounds	A rapid view of the heart revealed no evident pathology.
INTERPRETED BY	ULTRASONOGRAPHIC FINDINGS
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	<ul style="list-style-type: none"> • Expansive hypoechoic splenic mass with concurrent separate mildly expansive hypoechoic splenic nodules • Nonspecific yet highly suspicious similar appearing hypoechoic hepatic intraparenchymal nodules • Regional hypoechoic to swollen splenic lymphadenopathy with associated perilymphatic/perisplenic hyperechoic mesentery
IMAGING PERFORMED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
Amy Mayhew, LVT	Although sampling is required for further assessment, the splenic mass and associated splenic nodules are consistent with neoplastic criteria, such as sarcoma, round cell neoplasia or other. Concurrent hepatic intraparenchymal nodules, as well as splenic lymphadenopathy are strongly suggestive of hepatic and regional lymphatic metastasis with potential for perisplenic omental seeding. Given this finding, surgical options appear to be precluded.
HOSPITAL NAME	
SVS Imaging MI	
REFERRING VET	
Town Center VA	
INVOICE	If splenic FNA cytology for further assessment is elected, assuming normal clotting status, oncology consult could be considered for chemotherapeutic intervention, however, unfortunately, likely unfavorable long term prognosis is indicated.
17932	
DATE	
11/10/22	



PATIENT

Pebbles Begoske

SPECIES

Canine

BREED

Small Mixed Breed

SEX

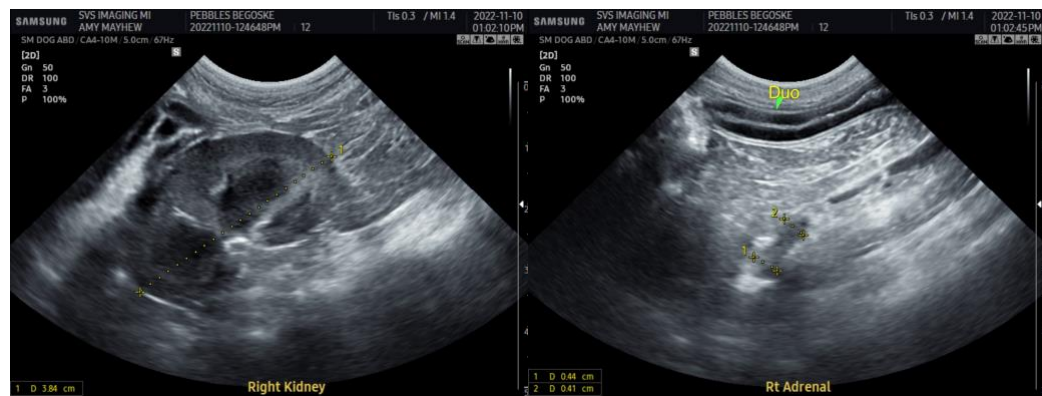
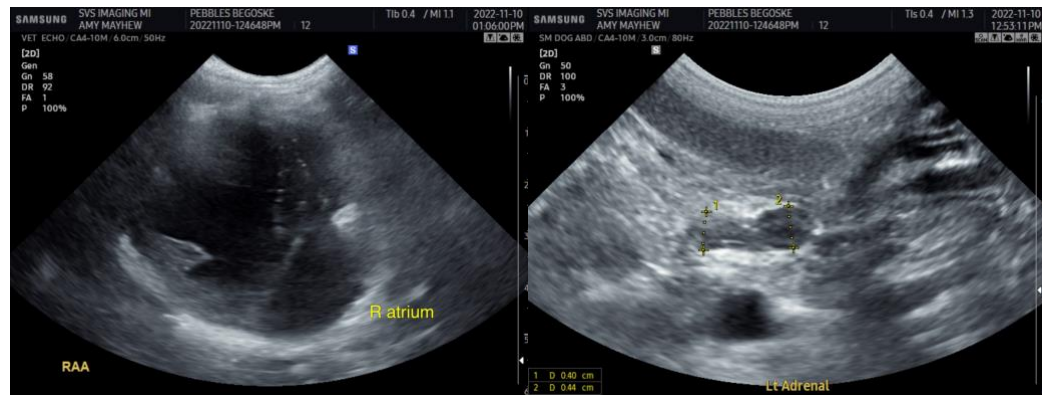
Spayed Female

AGE

12 Years

WEIGHT

7.6 Pounds



INTERPRETED BY

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

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

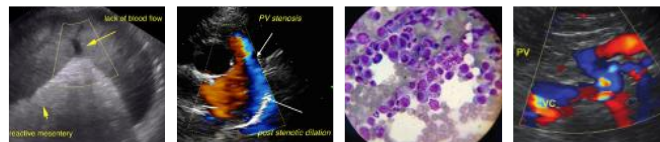
Town Center VA

INVOICE

17932

DATE

11/10/22



PATIENT

Pebbles Begoske

SPECIES

Canine

BREED

Small Mixed Breed

SEX

Spayed Female

AGE

12 Years

WEIGHT

7.6 Pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VET

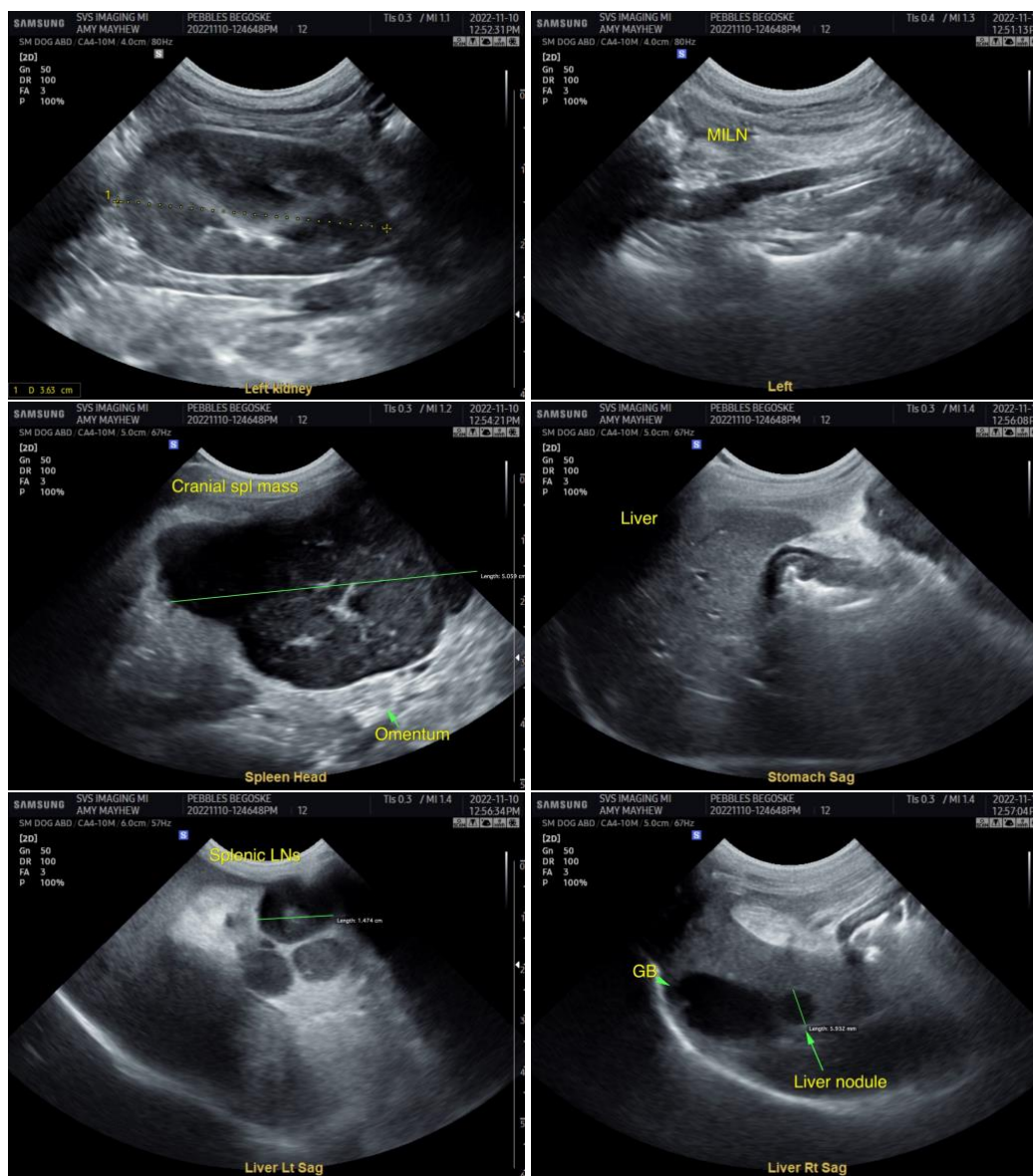
Town Center VA

INVOICE

17932

DATE

11/10/22



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