



PATIENT

Guillermo Black

SPECIES

Canine

BREED

Chihuahua Mix

SEX

FS

AGE

9 years

WEIGHT

12.3 lbs.

INTERPRETED BY

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

IMAGING PERFORMED BY

Brita Kiffney

HOSPITAL NAME

Northshore VH

REFERRING VET

Brita Kiffney

INVOICE

15875

DATE

1/18/23

PRESENTING CLINICAL SIGNS

Seen in December for cough, diagnosed with CHF on radiograph and exam, started on pimobendan / furosemide . improved (no cough) eating well, also has left hind lameness , luxating patella and a torn CCL ON radiographs for the echo we identified a splenic mass.

Abnormal PE/Chem/CBC/UA Results: normal chemistry screen today, cbc pending

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 was noted.

No evidence of medial Iliac or sublumbar lymphadenopathy/masses.

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 minor loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint medullary mineral was noted. The left kidney measured 4.7 cm in length. The right kidney measured 4.7 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 0.50 cm width at the caudal pole and 0.41 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 0.47 cm width at the caudal pole and 0.64 cm width at the cranial pole.

Spleen

Mid to cranial, mildly expansive, nonhomogeneous nodular splenic mass was present with associated mild primarily symmetrical distortion of the associated medial and lateral splenic capsule. The mass measured approximately 3.4 cm x 2.7 cm. Concurrent, separate mid to caudal nondisruptive hypoechoic splenic nodule was present measuring 1.0 cm in diameter. Normal splenic vascularity was noted. Normal perisplenic and generalized omental echogenicity was noted.

Liver/ Gallbladder

The liver presented mildly 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. 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. No overt or visualized hepatic masses or nodules. The gallbladder was non-distended in size containing primarily anechoic content with mild, nondependent, nonorganized, echogenic



PATIENT	gallbladder debris. No evidence of gallbladder or peripheral gallbladder inflammatory criteria was noted. The cystic and common bile ducts were normal.
Guillermo Black	
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.
Chihuahua Mix	Normal visible colon wall layers were present with apparent formed feces in lumen.
SEX	<i>Pancreas</i>
FS	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.
AGE	<i>Free Abdomen</i>
9 years	No overt lymphadenopathy was present. No evidence of perisplenic or generalized peritoneal effusion.
WEIGHT	ULTRASONOGRAPHIC FINDINGS
12.3 lbs.	<ul style="list-style-type: none"> • Confirmed mildly expansive nonhomogeneous cranial splenic mass with concurrent separate nondisruptive splenic nodule • Subjective mild hepatomegaly - benign • Gallbladder debris (non-mucocele) • Mild early age-related kidneys with pinpoint medullary mineral
INTERPRETED BY	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The splenic mass and splenic nodule were nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other). No overt evidence of intraabdominal metastasis.
IMAGING PERFORMED BY	Assuming normal clotting status and using a 25-gauge needle, FNA cytology of the splenic mass could be considered for further assessment. Given the expansive and nonhomogeneous appearance of the splenic mass, neoplastic criteria is favored although not definitive.
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INVOICE	Given the previous diagnosis of CHF in this patient, three-view chest radiographs and ideally recheck echocardiogram to assess anesthetic are recommended. If no evidence of thoracic pathology on three view chest radiographs and pending recheck echocardiographic assessment, splenectomy with submission of spleen for histopathology is warranted.
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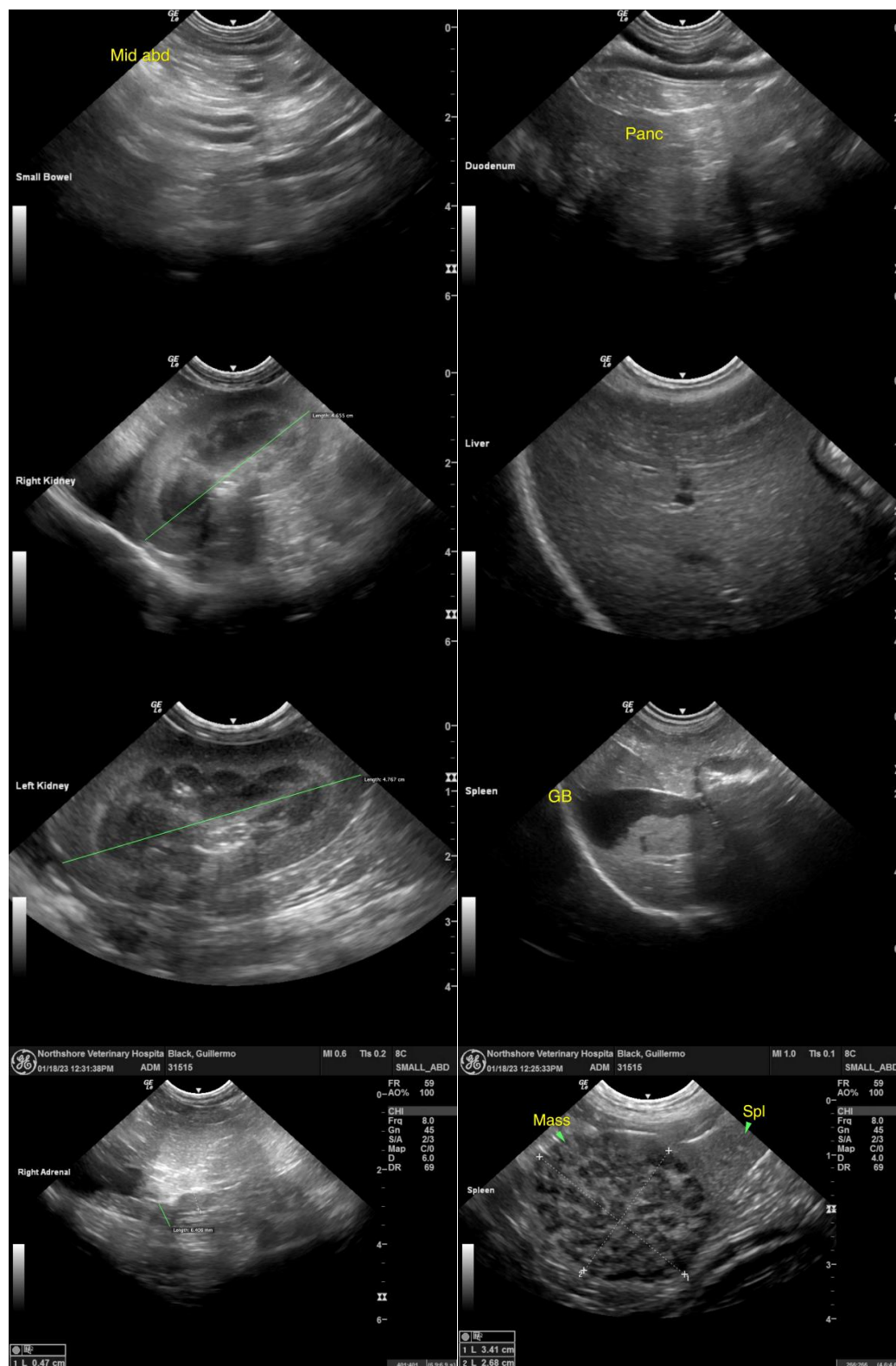
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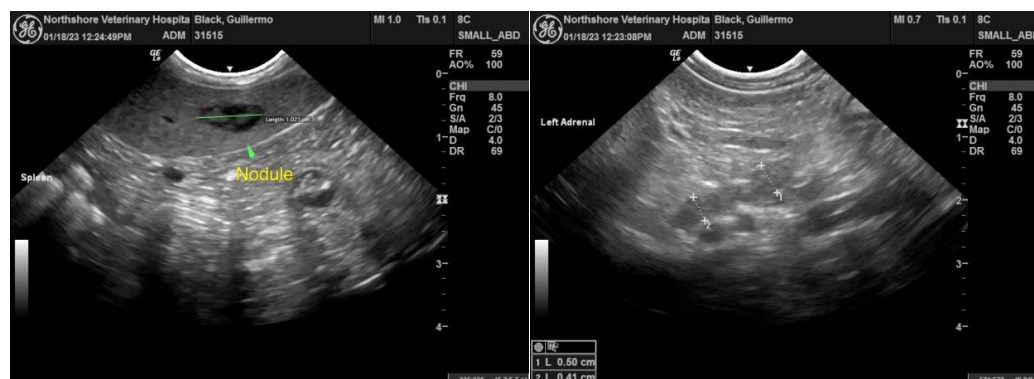
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)
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