



PATIENT

Brutus Crosby

SPECIES

Canine

BREED

Schnauzer

SEX

MN

AGE

10yr

WEIGHT

33lb

INTERPRETED BY

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

IMAGING PERFORMED BY

Trae Cutchin

HOSPITAL NAME

Friendship Springs
Veterinary Care

REFERRING VET

Trae Cutchin

INVOICE

11123ag

DATE

07/13/2022

PRESENTING CLINICAL SIGNS

History: Panting a lot in the last six weeks, started vomiting over the weekend, no diarrhea reported.

Abnormal PE/Chem/CBC/UA Results: PE - abdomen seems mildly pendulous, tachypneic but no dyspnea, grade 2-3/6 systolic murmur, seems anxious, dental disease. CBC - mild non-regen. anemia, slight to mild neutrophilia, moderate lymphopenia. Chems - alpk >2400, ALT 1983, amyl 2455, Ca 12.3, crea 2.3. T4 is low, HWT neg, snap cpl positive. UA wnl. CXR - wnl. AXR - possible mass in left cranial quadrant, urolith in bladder, mild loss of contrast suggestive of ascites.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, 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 a solitary dependent calculus measuring 0.83 cm in diameter. 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 was 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 to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 5.0 cm in length. The right kidney measured 5.3 cm in length.

The area of the aortic trifurcation was free of pathology.

The residual prostate 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 0.62 cm width at the caudal pole and 0.43 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 0.48 cm width at the cranial pole.

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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 presented enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. A moderately sized to expansive nonhomogeneous mass appearing to arise from and involve the mid to caudal aspect of the left mid to lateral liver was present measuring approximately 7.0 cm in diameter. 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. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal



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

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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.

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

Pancreas

BREED

Schnauzer

The left limb, right limb, and base of the pancreas presented hypoechoic to heterogeneous echogenicity compared to adjacent omental fat. Mild asymmetrical capsule margination was present with mild variable parenchymal swelling and mild peripancreatic to generalized hyperechoic mesentery. No overt evidence of neoplasia.

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Free Abdomen

Mild to moderate volume free fluid exhibiting echogenic changes which may suggest fluid cellularity.

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ULTRASONOGRAPHIC FINDINGS

- Hepatomegaly with nonhomogeneous mass in the left mid to lateral liver
- Suspect concurrent mild pancreatitis
- Mild gastroduodenitis pattern
- Generalized hyperechoic mesentery and mild to moderate volume free fluid
- Bilateral chronic renal changes
- A solitary urinary bladder cystic calculus

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

A FNA of the left liver mass as well as abdominal effusion cytology +/- C/S if evidence of inflammatory cells is suggested. Although sampling for further clarification, the mass in the area of the left liver is suggestive of neoplastic criteria. The mass did not appear to involve the spleen. Unspecified neoplasia of non hepatic origin impinging upon the left lateral liver is considered less likely. If hemoabdomen is confirmed potential bleeding secondary to the mass would be suspected. The possibility of regional omental seeding around the mass cannot be excluded. Three view chest radiographs are suggested. Pending additional diagnostics as needed GI support would be reasonable.

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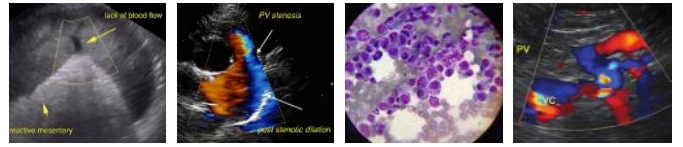
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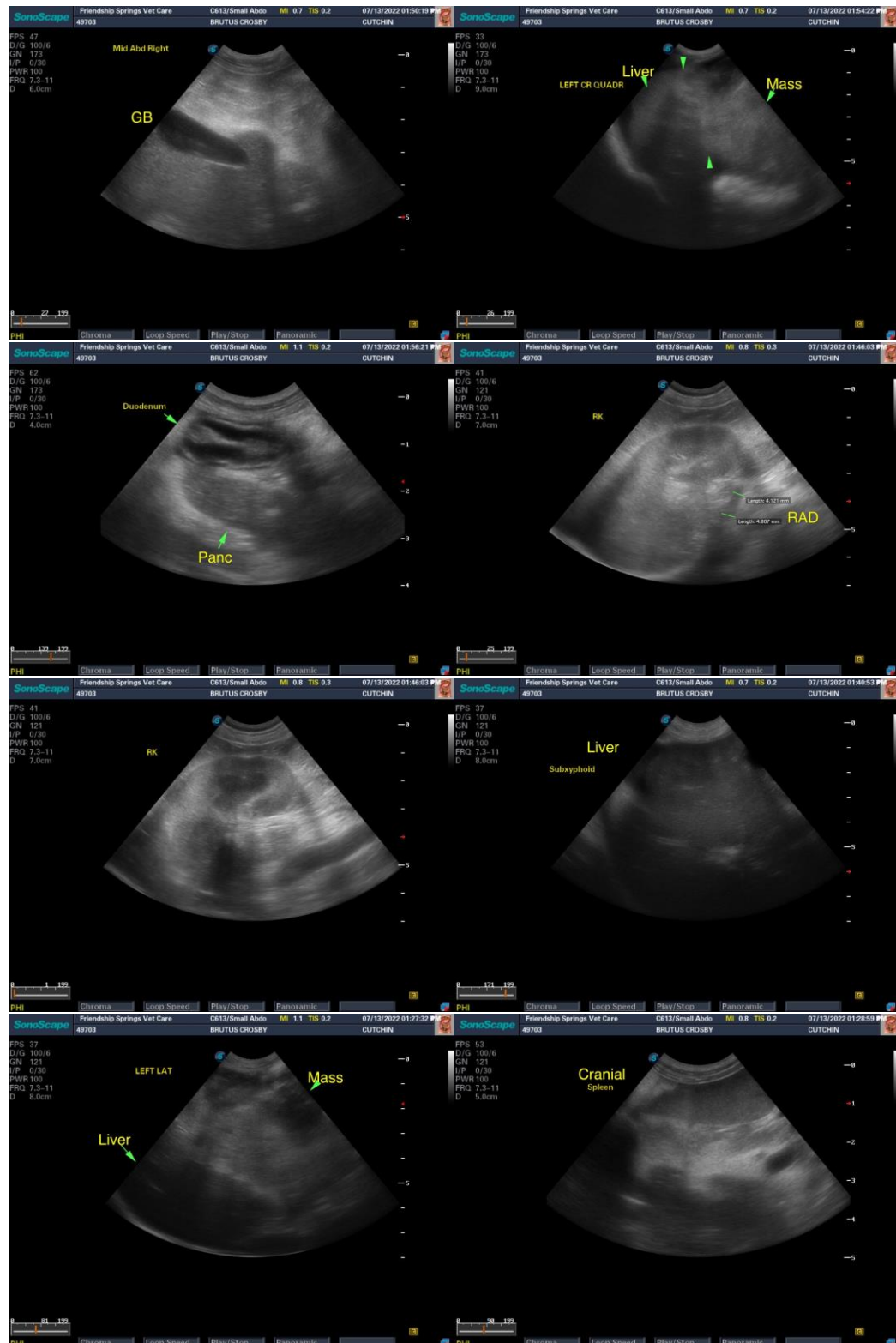
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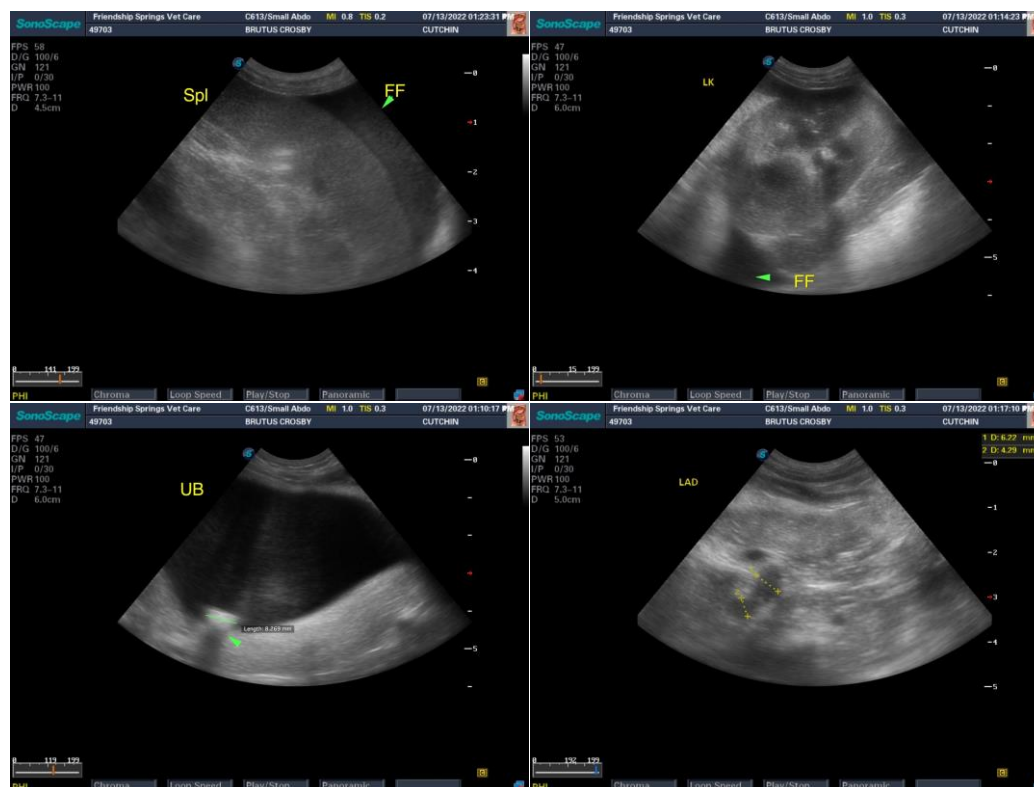
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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