



PATIENT PRESENTING CLINICAL SIGNS

Mikey Brown History of pancreatitis, obese, possible low thyroid

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES
Urinary System

Canine 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.

BREED
 Jack Russell Terrier Mix The residual prostate was free of pathology.

SEX
 MN The area of the aortic trifurcation was free of pathology.

AGE
 2013 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. Minor focal medullary mineral was noted. The left kidney measured 4.3 cm in length. The right kidney measured 4.7 cm in length.

WEIGHT
Adrenal Glands

18.1 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.4 cm length x 0.68 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 2.1 cm length x 0.58 cm width at the caudal pole.

INTERPRETED BY

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

Spleen

A moderately sized, irregular, nonhomogeneous, hypoechoic to focally hyperechoic splenic mass measuring 4.0-5.0 cm in diameter was present. The mass distorted the associated splenic capsule without overt evidence of parenchymal escape or rupture. The remainder of the spleen exhibited mild parenchyma heterogeneity and primarily symmetrical capsule contour.

IMAGING PERFORMED BY

Rebekah Jakum, CVT
 ARDMS/RVT

Liver/ Gallbladder

HOSPITAL NAME

Community VP

The liver was normal in size with minor capsule asymmetry. Generalized mild nonhomogeneous parenchyma was present with several to multiple, variably sized to variably echogenic, intraparenchymal nodules. An example nodule measured 2.3 cm in diameter. The nodules did not appear to distort the hepatic capsule. Concurrent, intermittent, thinly walled intraparenchymal cysts were present. The gallbladder was non-distended in size containing primarily anechoic content with moderate, congealed, hyperechoic yet nonorganized gallbladder sediment. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Hulshizer

INVOICE

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Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained minor retained anechoic fluid and mild ingesta exhibiting subtle progressive distal acoustic shadowing without signs of obstruction or foreign material. The stomach was otherwise normal.

DATE

6/21/23



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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.

SPECIES

Canine

Pancreas

The pancreas was normal in size and contour with isoechoic mildly heterogeneous parenchyma compared to adjacent nonreactive omentum. No signs of active inflammation or neoplasia.

BREED

Jack Russell Terrier
 Mix

Free Abdomen

No omental masses, lymphadenopathy, or evidence of peritoneal effusion were noted.

SEX

MN

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

AGE

2013

ULTRASONOGRAPHIC FINDINGS

- Splenic mass
- Nonhomogeneous liver exhibiting nonspecific yet suspicious intraparenchymal nodules
- Moderate gallbladder sediment (non-mucocele)
- Mild chronic renal changes with minor medullary mineral
- Mild gastric ingesta and retained fluid
- Mild heterogeneous pancreas

WEIGHT

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 (Canine and Feline)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The splenic mass is nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other). Neoplastic criteria for the splenic mass is favored.

IMAGING

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 Rebekah Jakum, CVT
 ARDMS/RVT

The concurrent hepatic intraparenchymal nodules are nonspecific with considerations including hyperplasia, hematopoiesis, and granulomas, although concern for hepatic metastasis is warranted, given suspicion of splenic neoplasia.

HOSPITAL NAME

Community VP

Assuming normal clotting status, splenic mass and accessible hepatic nodule FNA cytology using a 25-gauge needle could be considered for further clarification. Assuming no evidence of pathology on three view chest radiographs, splenectomy with hepatic biopsy could be considered.

REFERRING VET

Dr. Hulshizer

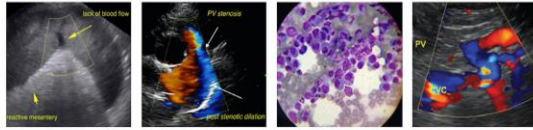
The pancreas may indicate remodeling owing to previous inflammation or chronic pancreatitis without sonographic evidence of active pancreatitis or pancreatic neoplastic criteria.

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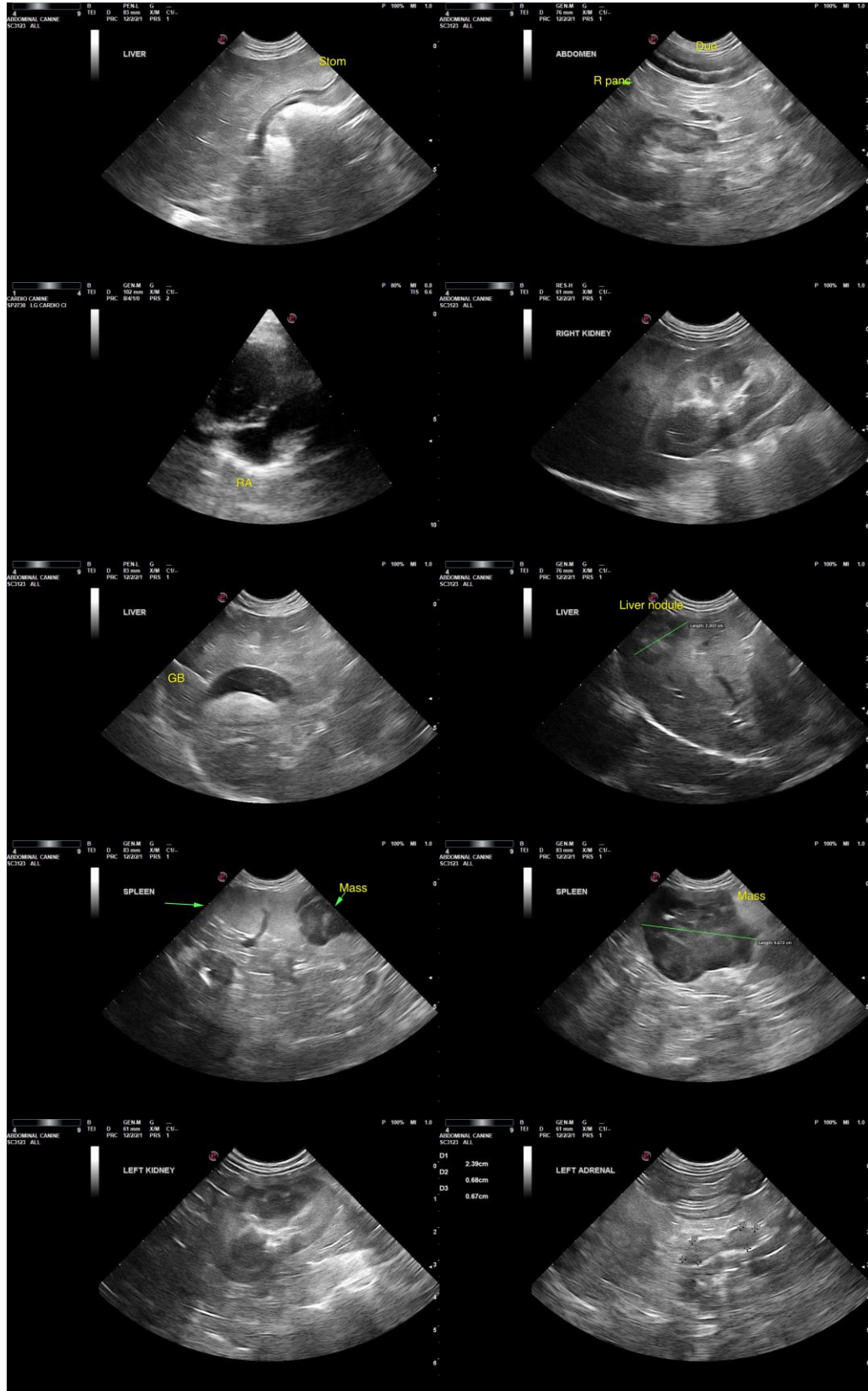
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PATIENT

Mikey Brown

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.

SPECIES

Canine

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.

BREED

Jack Russell Terrier
Mix

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