



| PATIENT | PRESENTING CLINICAL SIGNS |
|-----------------------------------|--|
| Paisley Robertson | -Recent onset of seeming tired and depressed, less of an appetite and some vomiting. Changes on bloodwork. |
| SPECIES | Albumin 26, ALP 281, ALT 1604, AST 958, Calcium 2.0, WBC 6.0, HCT 50 |
| Canine | |
| BREED | ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN |
| Golden Retriever | Urinary System |
| SEX | 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. |
| FS | The area of the aortic trifurcation was free of pathology. |
| AGE | 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 6.1 cm in length. The right kidney measured 5.8 cm in length. |
| 10 years | |
| WEIGHT | Adrenal Glands |
| 55 lbs | The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.8 cm length x 0.62 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 1.9 cm length x 0.70 cm width at the caudal pole. |
| INTERPRETED BY | Spleen |
| R. McKenzie Daniel, DVM, DABVP | The spleen was normal in size and contour exhibiting a primarily finely textured homogeneous parenchyma. A solitary, mildly hypoechoic parenchymal nodule was present, measuring 0.8 cm in diameter. |
| IMAGING PERFORMED BY | Liver/ Gallbladder |
| Crystal Hill | The liver presented enlarged in size. The liver exhibited mild generalized decreased parenchyma 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. The gallbladder was non-distended in size. The gallbladder wall was moderate to severely thickened in appearance consisting of an echogenic double rim corresponding to the inner and outer portions of the wall. The gallbladder wall width measured 0.91 cm. This is consistent with moderate to severe gallbladder wall edema. Possible causes may include acute inflammation, edema and anaphylaxis. |
| HOSPITAL NAME | |
| The Maples AH | |
| REFERRING VET | |
| Dr. Kazienko | |
| INVOICE | |
| 13438 | |
| DATE | |
| 2/25/22 | |



| | |
|-----------------------------------|---|
| PATIENT | <i>Gastrointestinal</i> |
| Paisley Robertson | The stomach presented intact ye thickened wall layering with mild retained anechoic fluid. The gastric body wall width measured 0.9 cm. |
| SPECIES | The small intestine exhibited intact wall layering with segmental mural hypertrophy, decreased mucosa echogenicity with indistinct mucosal speckling and segmental, nonobstructive ileus. The jejunum wall width measured 0.59 cm in areas of prominent small intestinal wall layering. |
| Canine | |
| BREED | Normal visible colon wall layers were present with apparent formed feces in lumen. |
| Golden Retriever | <i>Pancreas</i> |
| SEX | 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. |
| FS | |
| AGE | <i>Free Abdomen</i> |
| 10 years | Mesenteric root lymph nodes were present. The lymph nodes were markedly enlarged and exhibited symmetrical to rounded margination with abnormal width: length ratio. The markedly enlarged lymph nodes were bordered by echogenic to reactive mesentery. The mesenteric root lymph nodes measured 7.8 cm length and 2.6 cm width. |
| WEIGHT | Generalized primarily perilymphatic to peri intestinal reactive mesentery was present. Small volume peritoneal free fluid was noted. |
| 55 lbs | |
| INTERPRETED BY | ULTRASONOGRAPHIC FINDINGS |
| R. McKenzie Daniel, DVM, DABVP | <ul style="list-style-type: none"> • Marked hypoechoic to swollen mesenteric root lymphadenopathy - neoplasia favored, potential for severe acute lymphadenitis • Acute gastritis and segmental enteritis • Hepatomegaly exhibiting mild generalized reduced parenchyma echogenicity - acute hepatitis, congestion, reactive hepatopathy, neoplasia possible • Nonspecific splenic nodule - focal hyperplasia, hematopoiesis, splenitis, infarction, primary vs. metastatic neoplastic nodule possible • Moderate to severe gallbladder wall edema - acute cholecystitis, edema secondary to portal hypertension or emerging hypoalbuminemia, neoplasia possible • Generalized reactive mesentery and mild volume peritoneal free fluid |
| IMAGING PERFORMED BY | |
| Crystal Hill | |
| HOSPITAL NAME | |
| The Maples AH | |
| REFERRING VET | |
| Dr. Kazienko | |
| INVOICE | <u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u> |
| 13438 | Assuming normal clotting status, ultrasound-guided FNA of an enlarged mesenteric root lymph node, as well as the liver, using a 25-gauge needle for screening cytology, is recommended. Multicentric neoplasia such as multicentric lymphoma involving the liver, mesenteric root lymph nodes, potential gastrointestinal tract, and focal spleen is considered the primary differential diagnosis. |
| DATE | |
| 2/25/22 | |



PATIENT

Paisley Robertson

SPECIES

Canine

BREED

Golden Retriever

SEX

FS

AGE

10 years

WEIGHT

55 lbs

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

**IMAGING
PERFORMED BY**

Crystal Hill

HOSPITAL NAME

The Maples AH

REFERRING VET

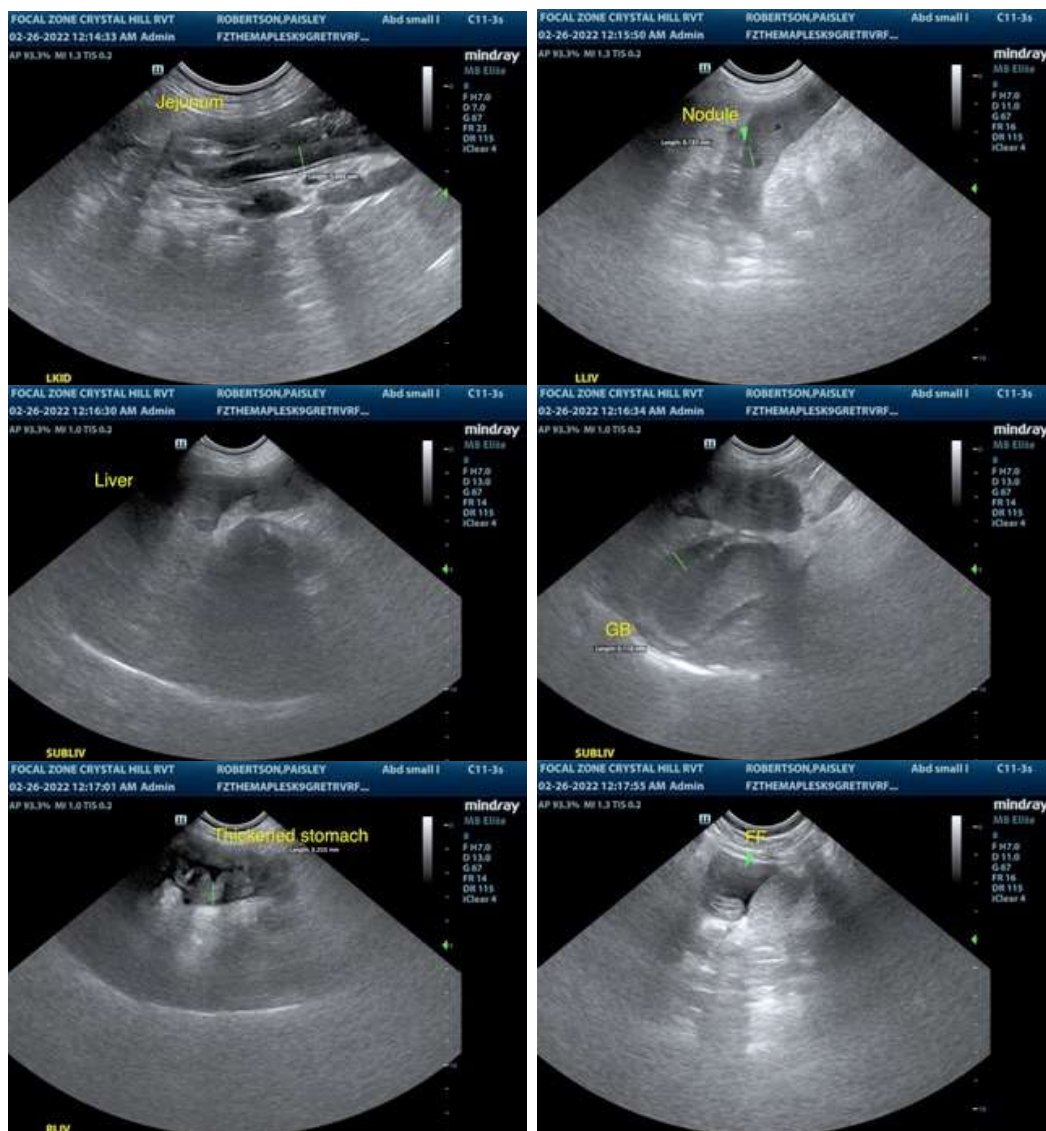
Dr. Kazienko

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DATE

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PATIENT

Paisley Robertson

SPECIES

Canine

BREED

Golden Retriever

SEX

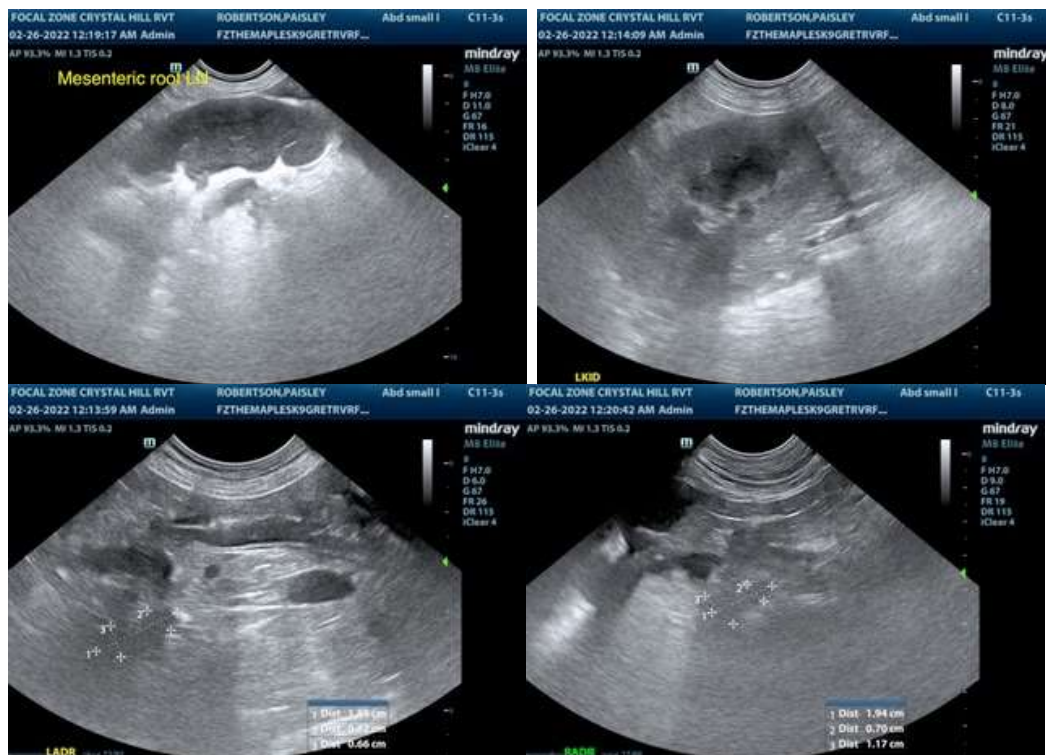
FS

AGE

10 years

WEIGHT

55 lbs



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R. McKenzie Daniel,
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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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