



**PATIENT**

Ariel Hagman

**PRESENTING CLINICAL SIGNS**

History: Presented with peripheral lymph node enlargement. Aspirates compatible with a lymphoma diagnosis. Plan is to refer to oncology for treatment.

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**BREED**

Dachshund

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

**SEX**

Spayed Female

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 3.9 cm in length. The right kidney measured 4.0 cm in length.

**AGE**

11 Years

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm width at the caudal pole.

**WEIGHT**

11 Years

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.30 cm width at the caudal pole and 0.33 cm width at the cranial pole.

**INTERPRETED BY**

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

**Spleen**

The spleen revealed generalized enlargement, maintained symmetrical to mildly rounded splenic contour and mild splenic parenchyma heterogeneity. No splenic masses or nodules were noted.

**IMAGING PERFORMED BY**

Dr. Sarah Barthelemy

**Liver**

The liver presented 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.

**HOSPITAL NAME**

Properties AC

The gallbladder was non-distended in size with primarily anechoic content and mild hyperechoic mildly congealed yet nonorganized debris, primary in the caudal lumen and gallbladder neck. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Morely

**Gastrointestinal**

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.

**INVOICE**

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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.

**DATE**

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

**Pancreas**



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The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia. This is likely consistent with minor age-related pancreatic changes and incidental.

**SPECIES**

Canine

**Free Abdomen**

Intermittent, focally enlarged mesenteric and medial iliac lymph nodes were present. These lymph nodes were homogenous, mildly hypoechoic and smoothly marginated. A normal width: length ratio was maintained (<0.5). Evidence of minor perilymphatic hyperechoic omentum was evident. An example of medial iliac lymph node size was 1.9 cm x 0.63 cm. An example of mesenteric lymph node size was 3.5 cm x 1.1 cm.

**BREED**

Dachshund

No omental masses or evidence of peritoneal free fluid was noted.

**SEX**

Spayed Female

**ULTRASONOGRAPHIC FINDINGS**

- Intermittent mild hypoechoic mesenteric and medial iliac lymphadenopathy
- Splenomegaly, exhibiting mild nonhomogenous parenchyma
- Hepatomegaly
- Mild congealed gallbladder debris (non-mucocele)
- Mild chronic renal changes

**AGE**

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**WEIGHT**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Given the previous diagnosis of peripheral lymphoma, strong concern for concurrent mesenteric and medial iliac lymphatic neoplastic criteria. The hepatosplenomegaly is more nonspecific with considerations including vacuolar or other benign hepatopathy, splenic incidental hematopoiesis, hyperplasia or splenitis possible, however, potential for hepatosplenic involvement could be present.

Further assessment would include, assuming normal clotting status, hepatosplenic and accessible lymph node assessment.

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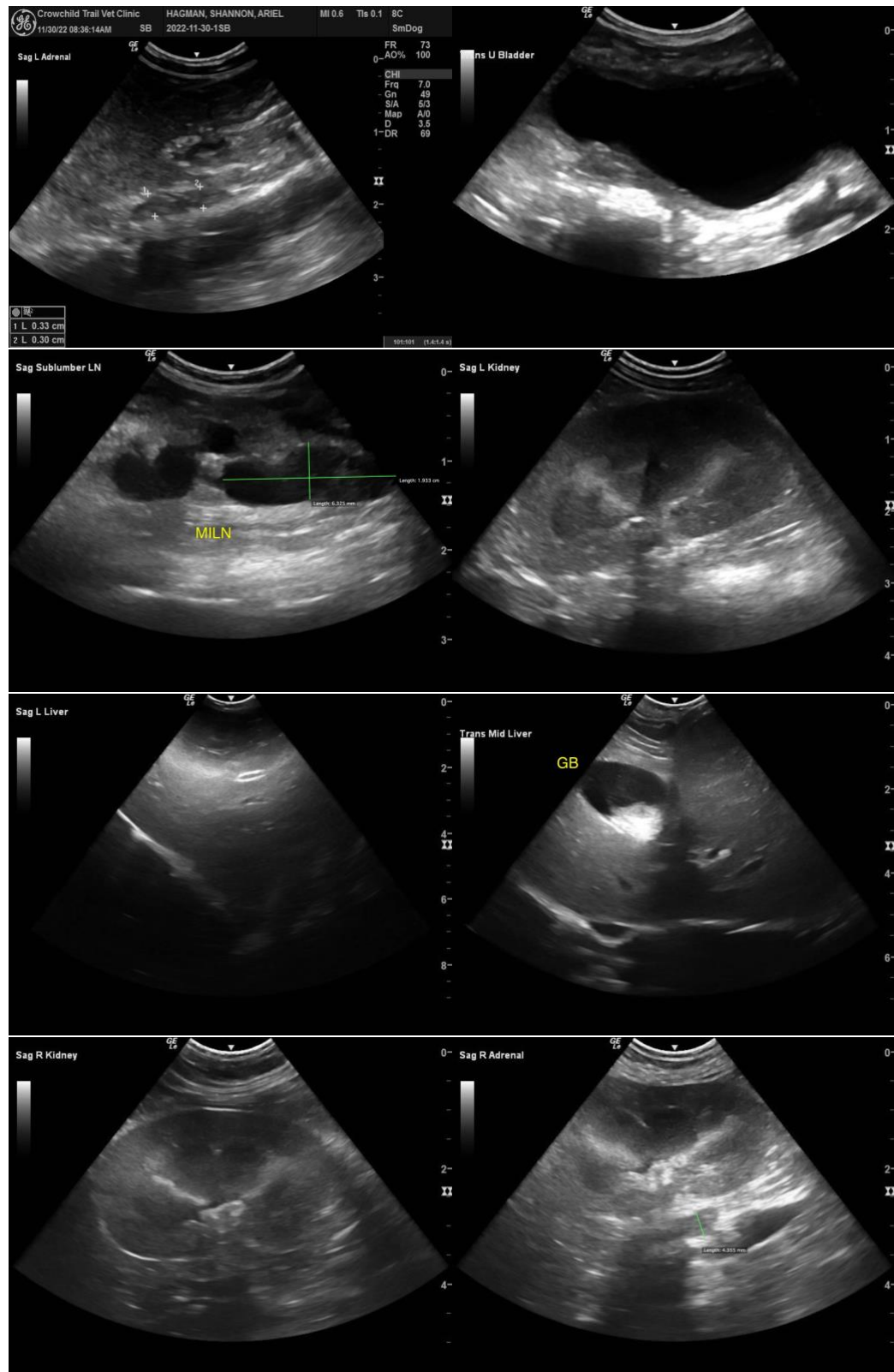
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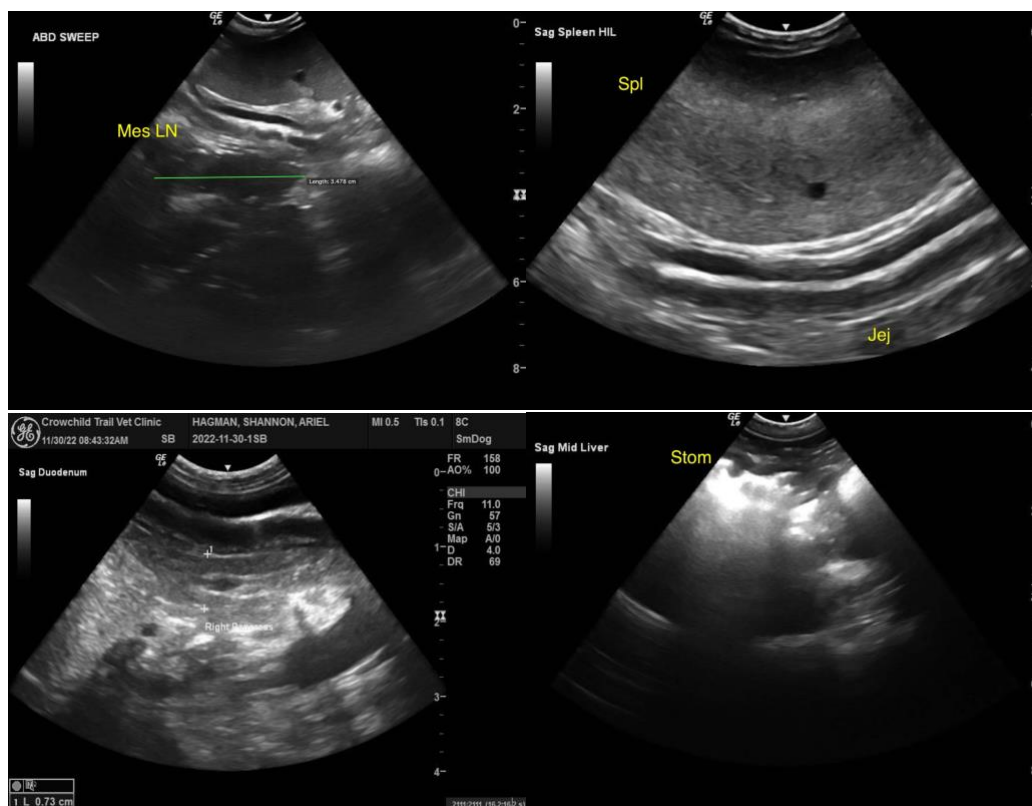
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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