



**PATIENT**

Thor Woolcock

**SPECIES**

Canine

**BREED**

Mix

**SEX**

Neutered male

**AGE**

7 years

**WEIGHT**

61 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Christina

**HOSPITAL NAME**

Animal Health VC

**REFERRING VET**

Dr. Rodriguez

**INVOICE**

42797

**DATE**

2/14/23

**PRESENTING CLINICAL SIGNS**

History: P presented for not eating, lethargy, weight loss, diarrhea and vomiting. PU/PD going on for approx. 3 weeks.

Abnormal PE/Chem/CBC/UA Results: PLI normal, TP - 3.7, Albumin - 1.9, AST - 72, ALKP - 364, Total Bili - 0.5, SDMA - 16.4, Calcium - 7.6, Urinalysis had trace protein, 2+ bilirubin and <10 rods/HPF, Radiographs showed a loss of detail in cranial abdomen, large liver.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The kidneys measured 6.5 cm.

**Adrenal Glands**

The left **adrenal gland** was visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.41 cm. The region of the right adrenal gland was imaged with no evidence of pathology.

**Spleen**

The **spleen** was enlarged with scalloping, irregular contour. The surrounding mesentery was enhanced.

**Liver**

The **liver** was uniformly enlarged with increased portal markings. Echogenic gallbladder was noted along with swollen contour. The gallbladder wall was echogenic and consistent with fibrosis.

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.



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**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

Splenohepatomegaly.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

FNA of the spleen and liver is recommended to assess for round cell neoplasia. The SDMA elevation is likely a paraneoplastic issue. The prognosis is guarded. Reactive spleen and benign hepatopathy are possible, yet less likely.





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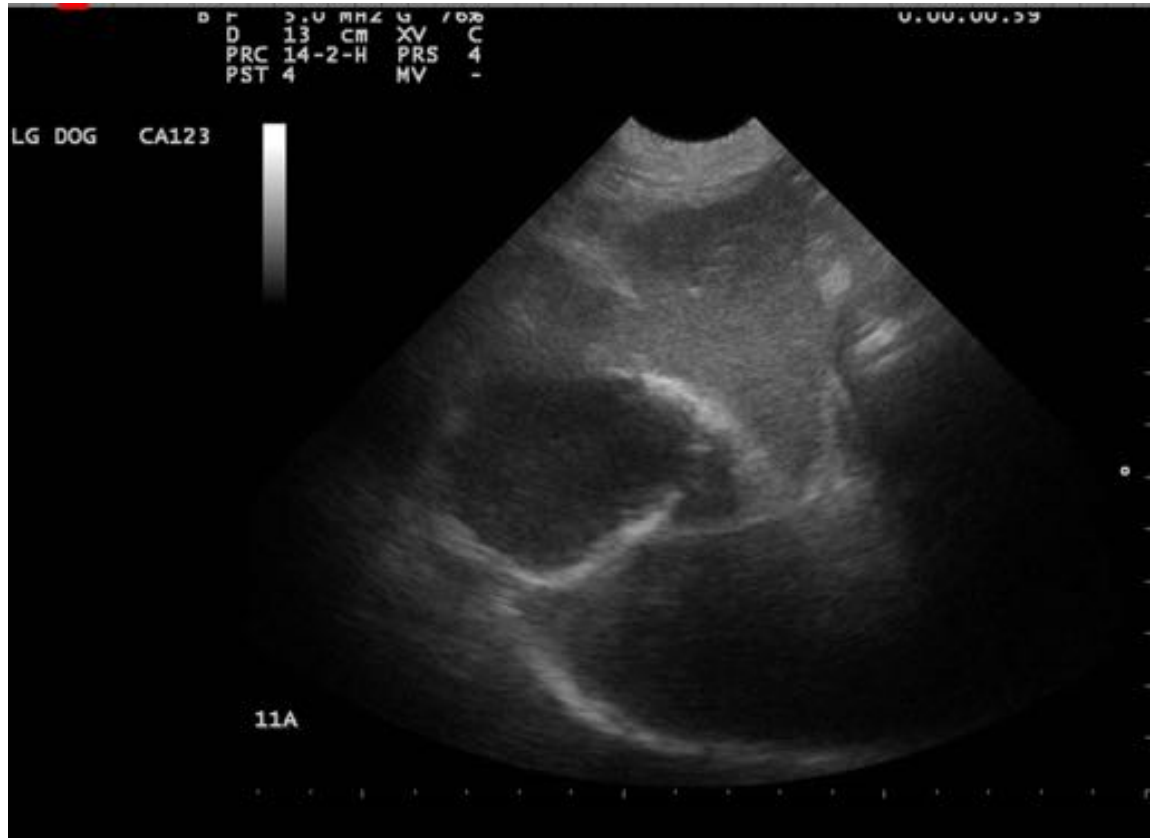
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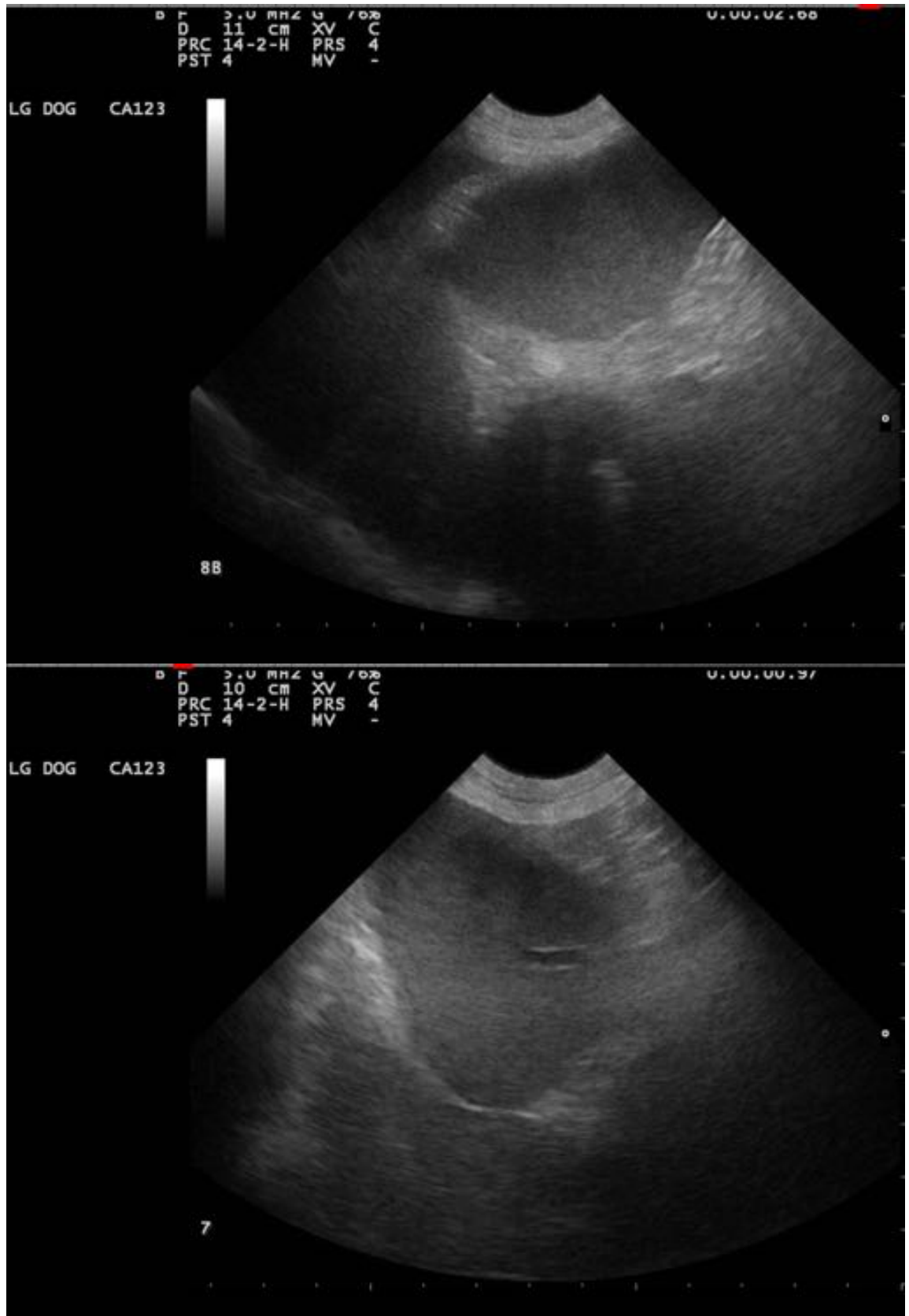
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com