



**PATIENT**

Sienna Borg

**SPECIES**

Canine

**BREED**

Labrador

**SEX**

Spayed Female

**AGE**

8 Years 10 Months

**WEIGHT**

77.1

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Cohen

**HOSPITAL NAME**

Willamette VH

**REFERRING VET**

Dr. Cohen

**INVOICE**

21705

**DATE**

3/19/23

**PRESENTING CLINICAL SIGNS**

History: 8Y SF lab presented for 24hr hx lethargy, anorexia, dark/red urine. 12hr hx pale gums, loose stool, regurg after drinking water. Has not eaten in the last 12 hours at least.

Abnormal PE/Chem/CBC/UA Results: 3/18 CBC -RBC 3.61, HCT 26.9, HGB 8.6, MCV 74.5, RETICS 123.8, Retic HGB 16, EOS 0.04 CHEM 10- TP 8.5, ALB 4.1, ALP 245 EPOC- HCT %, pH 7.27, BICARB 15.9, GLU 139 Tbili- 2.4 UA- USG 1.022, negative bacterial confirmation on air slide 4DX- all negative Thoracic radiographs STAT CONCLUSIONS: 1. The thorax is unremarkable for the age and size of the patient. No cause for immune mediated hemolytic anemia is identified. There is no evidence of pulmonary neoplasia or thoracic lymphadenopathy. 2. Mild hepatomegaly is a nonspecific finding that may indicate endocrine hepatopathy, hepatitis, or infiltrative neoplasia.

**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 were 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 right kidney measured 7.9 cm. The left kidney measured 7.0 cm.

**Adrenal Glands**

Both **adrenal glands** were 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 0.6 cm in width. The right adrenal gland measured 0.8 cm at the cranial pole and 0.5 cm at the caudal pole.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



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**Gastrointestinal**

Sienna Borg

There was some residual chyme and gas was noted in the **stomach**, yet not pathological. This is consistent with end post prandial presentation. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. 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.

**SPECIES**

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**Pancreas**

**BREED**

Labrador

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.

**SEX**

Spayed Female

**Other**

A rapid view of the **heart** revealed no overt pathology.

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**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen
- Partially full stomach

**WEIGHT**

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

I'm concerned for hemolytic disease given the anemia, bilirubin elevation and lack of ALT elevation. CBC path review is warranted. No evidence of significant pathology.

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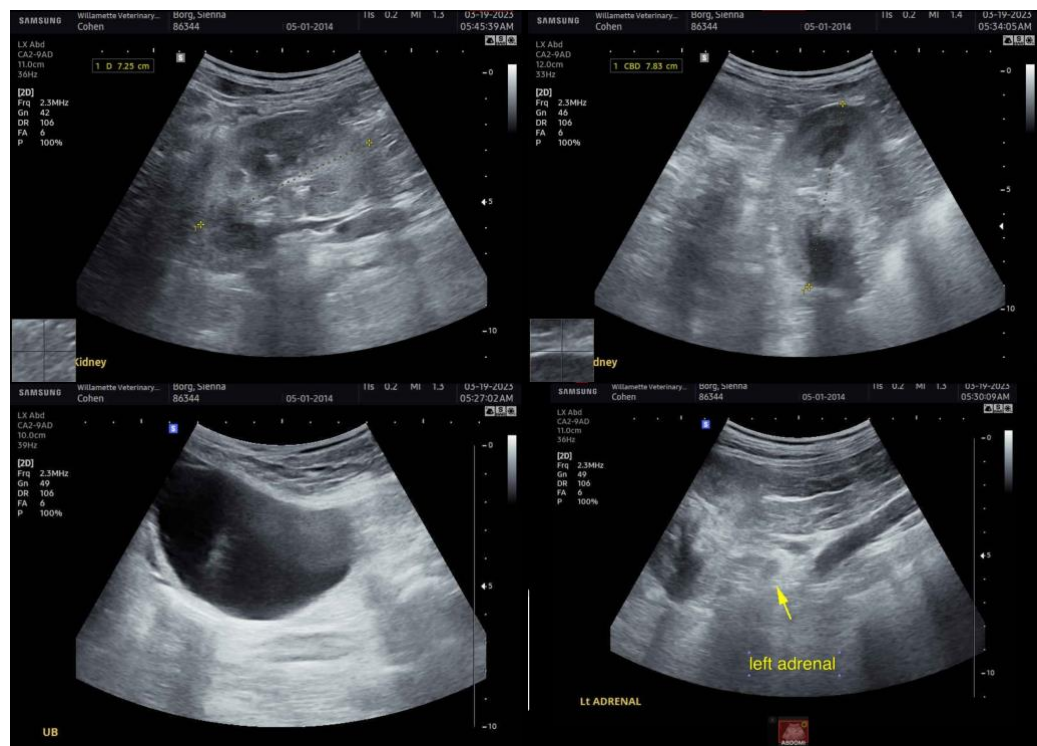
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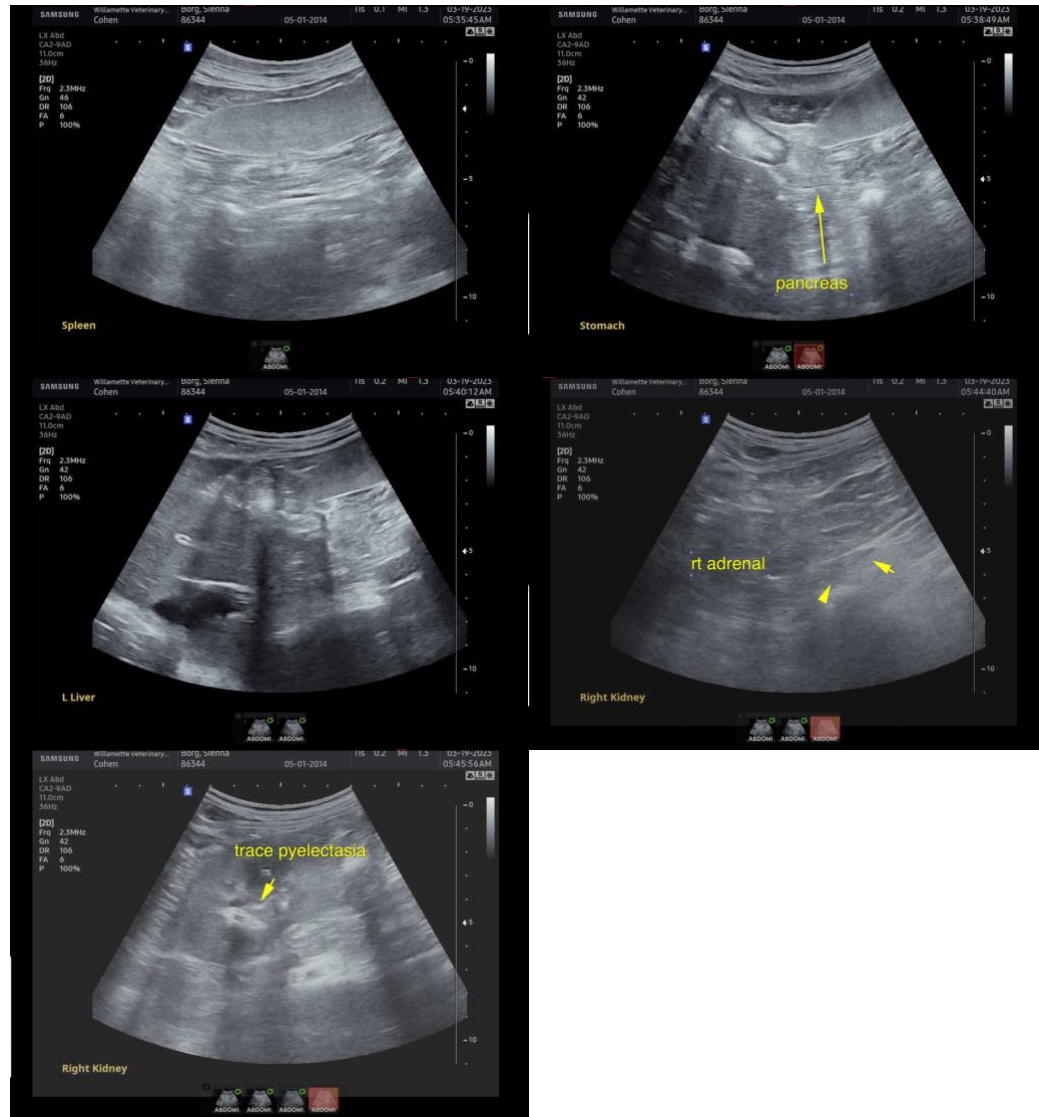
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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