



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Bailey Root  
**SPECIES** Canine  
**BREED** Labrador Retriever

History: PU/PD concern - O has been concerned about PU/PD since he was 6 months of age. Urine was assessed last year and was concentrated. Also 2-week history of vomiting in the evenings (every 1-2 days) small amount of bile. Abdominal ultrasound - mainly performed to rule out renal dysplasia. IBD also suspected.

Abnormal PE/Chem/CBC/UA Results: GI panel Texas A&M - April 2021 - normal UA in May 2021 = USG 1.049, no abnormalities August 2022 - CBC - mild eosinophilia CHEM - Creatinine 1.6 SDMA - 11 (normal) UA - USG 1.014; pH 7.5, inactive sediment, no proteinuria August 2022 - repeated UA with free-catch urine first thing in the morning USG 1.022; pH 6, inactive sediment, no proteinuria

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX** Neutered Male  
**AGE** 1 Years

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 pelvic urethra was imaged 1.0 cm beyond the cystourethral junction.

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 6.8 cm. The left kidney measured 6.03 cm.

**Adrenal Glands**

**INTERPRETED BY** Eric Lindquist, DMV DABVP, Cert. IVUSS

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 right adrenal gland measured 0.62 cm. The left adrenal gland measured 0.5 cm.

**Spleen**

**IMAGING PERFORMED BY** Gudrun Gunther  
**HOSPITAL NAME** New Frontier AMC

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. Caudal folding of the spleen was noted.

**Liver**

**REFERRING VET** Gudrun Gunther

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.

**INVOICE DATE Gastrointestinal**

17467  
 9/26/22



**PATIENT**

Bailey Root

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.

**SPECIES**

**Pancreas**

Canine

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.

**BREED**

Labrador Retriever

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable abdomen

**SEX**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Neutered Male

No evidence of pathology.

**AGE**

1 Years

**WEIGHT**

73.4 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS



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**HOSPITAL NAME**

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**PATIENT**

Bailey Root

**SPECIES**

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**BREED**

Labrador Retriever

**SEX**

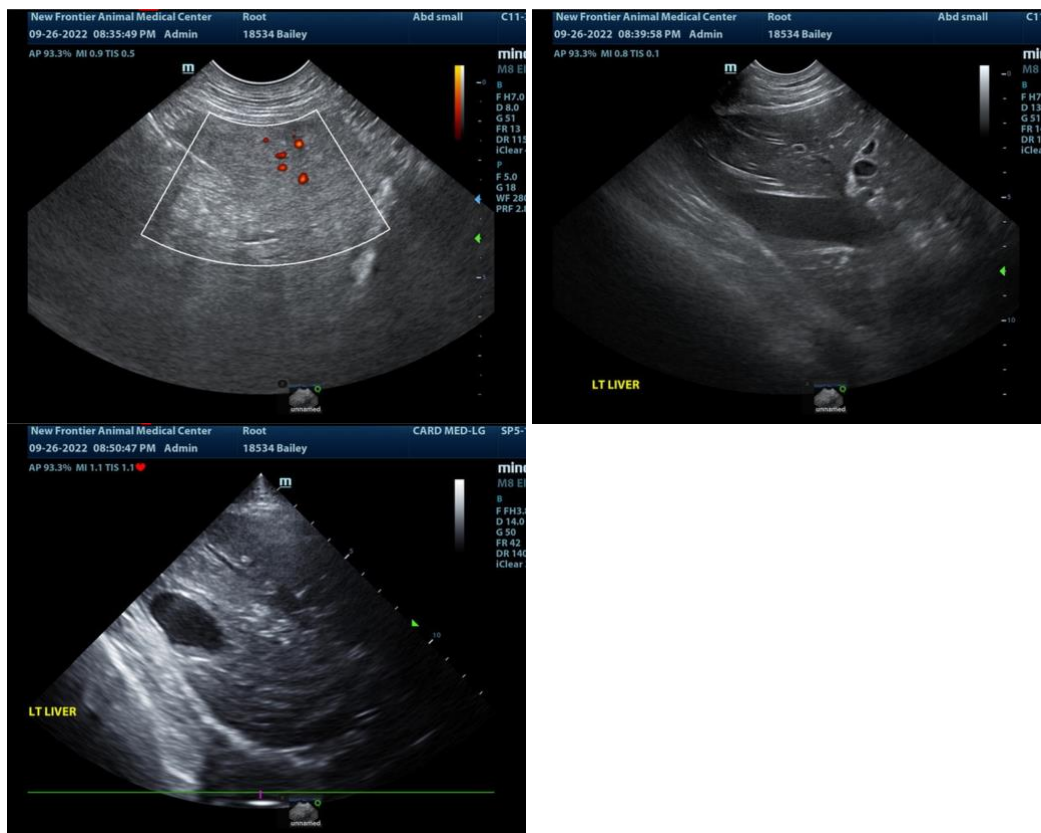
Neutered Male

**AGE**

1 Years

**WEIGHT**

73.4 Pounds



**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

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.

**IMAGING PERFORMED BY**

Gudrun Gunther

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.

**HOSPITAL NAME**

New Frontier AMC

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

**REFERRING VET**

Gudrun Gunther

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