



**PATIENT**

Stella Berard

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Spayed Female

**AGE**

10 Years

**WEIGHT**

58 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez

**HOSPITAL NAME**

Glen Rock VH

**REFERRING VET**

Dr. Scott Stekler

**INVOICE**

16497

**DATE**

7/6/22

**PRESENTING CLINICAL SIGNS**

History: Elevated liver enzymes, no clinical signs. No history of Lepto vaccination.

Abnormal PE/Chem/CBC/UA Results: Bile acid profile pending. Persistently elevated SGPT/SAP - trace normal.

**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 left kidney measured 6.32 cm. The right kidney measured 6.32 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 2.5 cm x 0.44 cm at the caudal pole and 0.56 cm at the cranial pole. The right adrenal gland measured 1.97 cm x 0.35 cm at the caudal pole and 0.42 cm at the cranial 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** revealed slight nonspecific coarse architecture and minor increased portal markings. No evidence of intrahepatic or extrahepatic shunting. The gallbladder and common bile duct were unremarkable.

**Gastrointestinal**

The **gastrointestinal tract** presented considerable gastric artifact due to the presence of ingesta. This did not permit thorough evaluation of portions of the gastric and upper intestinal structure. No overt abnormality was seen in the visualized tissue, however. This is consistent with a post-prandial presentation within a few hours of mealtime. If the prandial temporal interval does not fit the case history, and the patient presents a history of post-prandial vomiting, this could indicate a delayed upper gastrointestinal outflow due to primary or secondary pyloric hypertrophy, upper GI infiltrative disease, motor deficits, or a non-visualized foreign body. A prudent approach would be to rescan this



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patient at 24-hour NPO status to further review the non-visible regions if stomach primarily as well as assess any delayed outflow issue.

## SPECIES

Canine

## 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.

## BREED

Labrador Retriever

## ULTRASONOGRAPHIC FINDINGS

## SEX

- Minor hepatic remodeling- nonspecific, no evidence of portosystemic shunting
- Full stomach

Spayed Female

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## AGE

A liver oriented diet could be considered in this patient. FNA of the liver could be considered for further definition of inflammatory cell type. The changes were fairly mild.

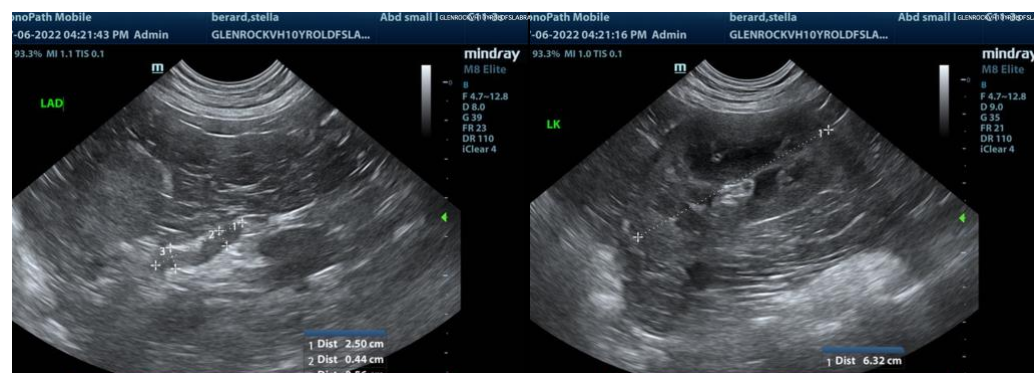
10 Years

## WEIGHT

58 Pounds

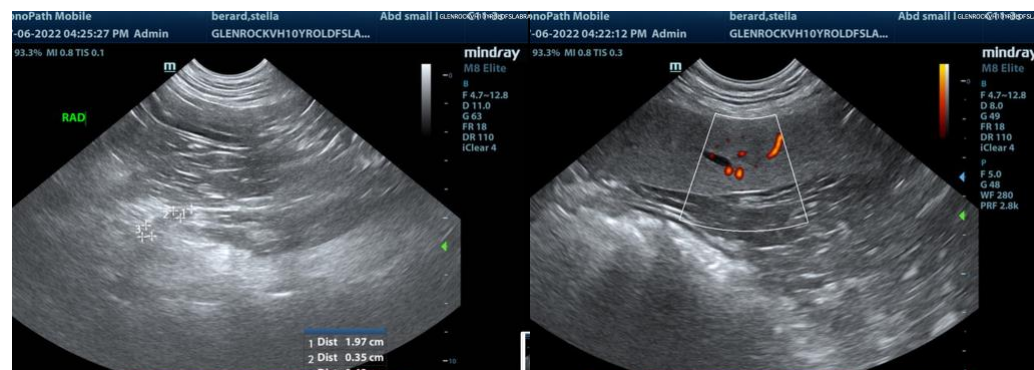
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**SEX**

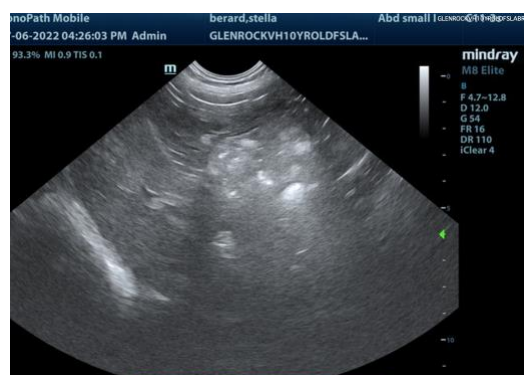
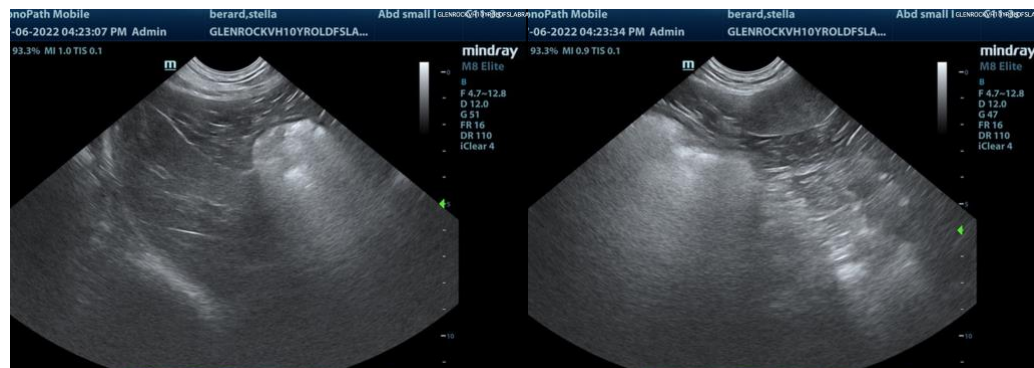
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**IMAGING PERFORMED BY**

Kelly Vazquez

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

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