



**PATIENT**

Ellie Coates

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Spayed female

**AGE**

10 years

**WEIGHT**

52 lbs

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Animal General  
Hudson

**REFERRING VET**

Dr. Ng

**INVOICE**

42832

**DATE**

2/15/23

**PRESENTING CLINICAL SIGNS**

History: History of liver changes and hepatic nodule. Vacuolar hepatopathy on FNA. Current med: Denamarin.

Abnormal PE/Chem/CBC/UA Results: Bloods: pending.

**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 right kidney measured 4.51 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 2.17 x 0.69 cm at the caudal pole and 0.75 cm at the cranial pole.

**Spleen**

The **spleen** revealed subtle, heterogenous changes with focal nodules that were non-disruptive and measured up to 1.0 cm in length.

**Liver**

The **liver** was uniformly swollen. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Gallbladder sand was noted.

**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



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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.

**BREED**

Labrador Retriever

**Free Abdomen**

**SEX**

Spayed female

Cranial abdominal lymph node was enlarged and measured 1.45 x 1.16 cm.

**AGE**

10 years

**ULTRASONOGRAPHIC FINDINGS**

Persistent splenic nodules.

Mild hepatic remodeling.

**WEIGHT**

52 lbs

Rounded, cranial abdominal lymph node.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

The lymph node should be monitored for progression over the next month. The abdomen appears stable.

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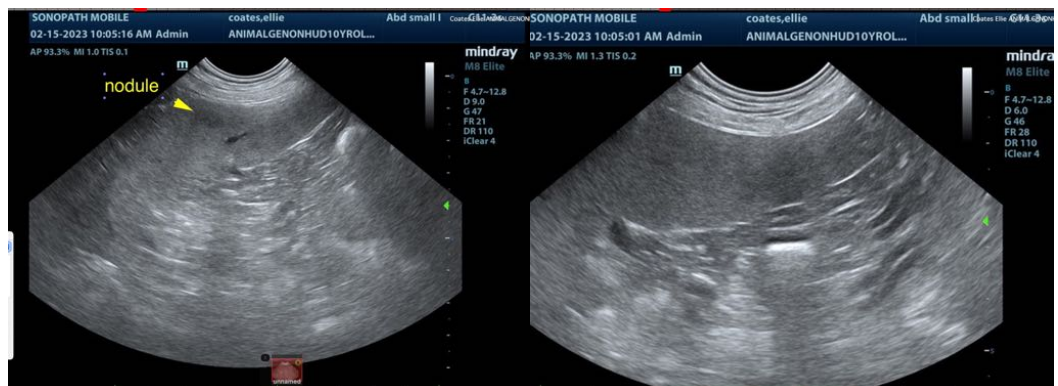
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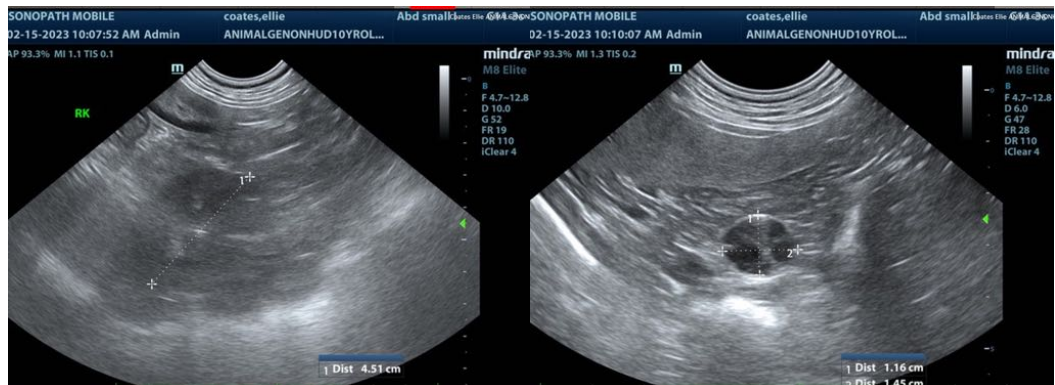
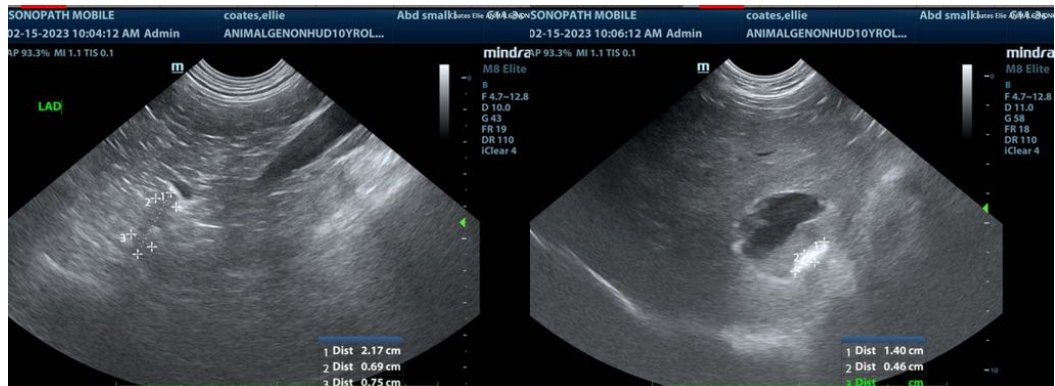
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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