**PATIENT PRESENTING CLINICAL SIGNS**

Lola Proebsting
 History: Weight loss of 6-8 pounds since February 2022 with elevated liver enzymes & history of hepatic neoplasia in family line.
 Abnormal PE/Chem/CBC/UA Results: (08/30/22) CHEM: ALT 142 and GGT 14.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**BREED *Urinary System***

Newfoundland

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended. A small to moderate amount of suspended echogenic debris is observed within the lumen. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

SEX

Female, spayed

The left kidney is normal size (6.87 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

AGE

10 Yrs.

The right kidney is normal size (6.86 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

WEIGHT

96.5 Pounds

Adrenal Glands**INTERPRETED BY**

Andrea Nicastro, DVM,
 Diplomate ACVIM
 (Small Animal Internal
 Medicine)

The left adrenal gland is small in size (0.53 cm at cranial pole) (0.55 cm at caudal pole)(3.11 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is small in size (0.30 cm at cranial pole) (0.34 cm at caudal pole); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

IMAGING PERFORMED BY

PMVU

Spleen**HOSPITAL NAME**

Greenbriar VH

The spleen is normal in size (2.24 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver**REFERRING VET**

Dr. Cathy Jarrett

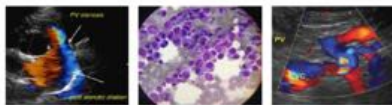
The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is isoechoic relative to the spleen and subtly mottled in appearance. No distinct focal lesions are observed. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

INVOICE

13912

Gastrointestinal**DATE**

8/16/22

**PATIENT**

Lola Proebsting

The gastric lumen is not distended. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. A 2.44 x 2.00 cm hypoechoic to anechoic jejunal mural mass is observed within the jejunum. The lesion appears avascular. In the remaining small intestinal segments, the wall thickness is normal with a normal layering pattern and appropriate mural detail. The colonic wall is normal. No obstructive disease is noted.

SPECIES

Canine

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

BREED

Newfoundland

Free Abdomen**SEX**

Female, spayed

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A few prominent jejunal lymph nodes are visualized, the largest measuring 2.96 cm in length. The nodes are normal in shape and echogenicity.

AGE

10 Yrs.

Other

A 0.79 x 0.51 cm subcutaneous nodule is observed cranial and medial to the second to last mammary gland on the right side.

WEIGHT

96.5 Pounds

ULTRASONOGRAPHIC FINDINGS**Primary Findings:**

- Mural jejunal mass. Differentials include cyst abscess, granuloma, tumor, other.

Secondary Findings:

- The bilaterally small adrenal glands may be a normal variant for this patient or may be secondary to early atrophy (i.e., due to hypoadrenocorticism). Correlation with the patient's clinical history is recommended.
- Minor bilateral degenerative renal changes.
- The prominent abdominal lymph nodes are most consistent with reactive lymphadenitis or lymphoid hyperplasia. Neoplastic infiltration is considered less likely.
- Subcutaneous nodule- ventral abdomen.
- An obvious cause for the elevated liver enzymes is not identified in the study. However, a microscopic hepatopathy (i.e., bacterial cholangiohepatitis, Leptospirosis, chronic active hepatitis, copper-associated hepatotoxicity, reactive hepatopathy, infiltrative neoplasia (less likely)) should be considered.

INTERPRETED BY

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(*Small Animal Internal
Medicine*)

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HOSPITAL NAME

Greenbriar VH

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**REFERRING VET**

Dr. Cathy Jarrett

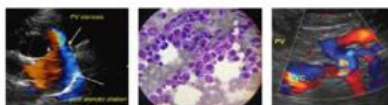
- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- If there is no evidence of pulmonary metastatic disease, consider an abdominal exploratory with jejunal mass removal. Given the mildly elevated ALT, a liver biopsy should also be obtained at the time of surgery if the patient is stable under anesthesia.

INVOICE

13912

DATE

8/16/22



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SPECIES

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BREED

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HOSPITAL NAME

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REFERRING VET

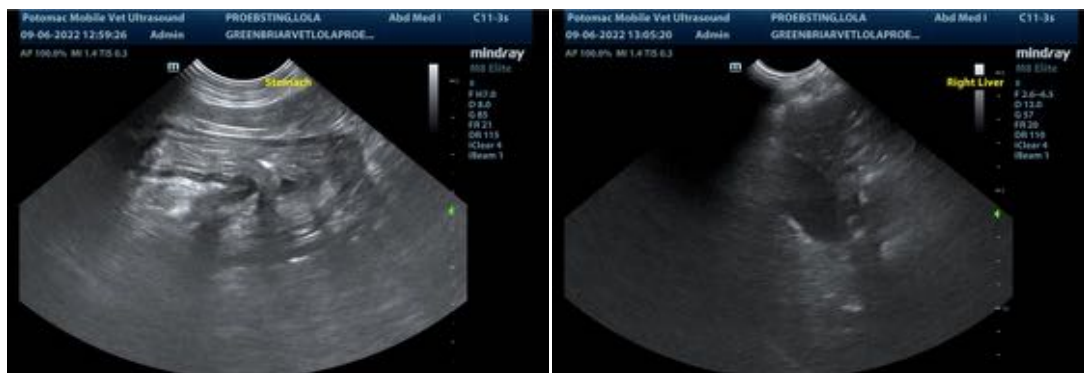
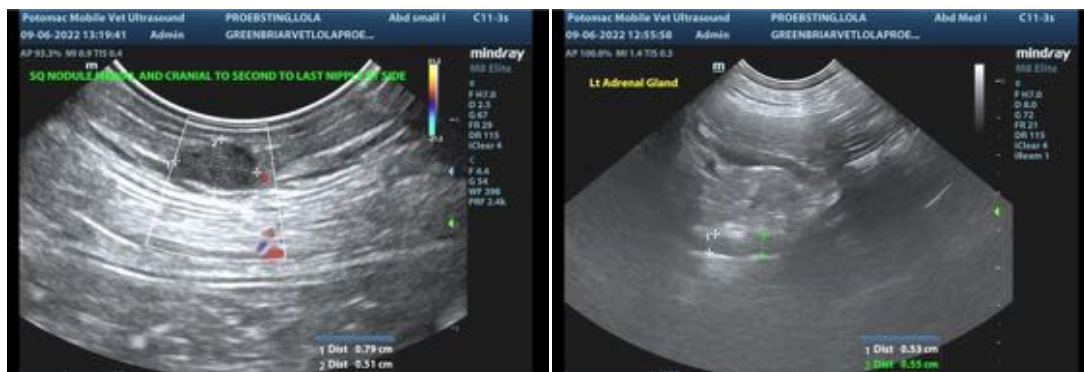
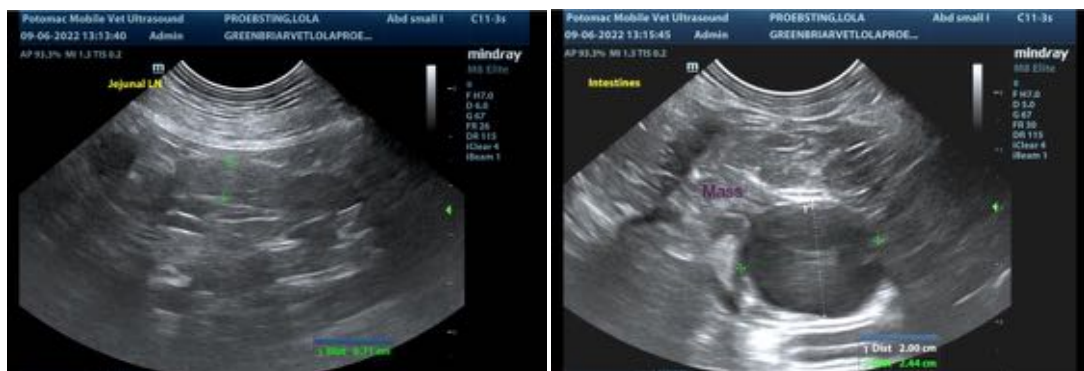
Dr. Cathy Jarrett

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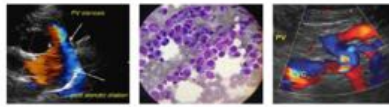
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DATE

9/16/22



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.



PATIENT

Lola Proebsting

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.

SPECIES

Canine

Andrea Nicastro, DVM, Diplomate ACVIM (*Small Animal Internal Medicine*)

Andrea.nicastro@sonopath.com

BREED

Newfoundland

SEX

Female, spayed

AGE

10 Yrs.

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