



**PATIENT**

Lily Welp

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Female, spayed

**AGE**

10 Yrs.

**WEIGHT**

31.95 kg.

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview VH

**REFERRING VET**

Dr. Brian Barnes

**INVOICE**

12660

**DATE**

12/6/21

**PRESENTING CLINICAL SIGNS**

History: Anxieties, lethargic changing coat color since on Satiey RC diet. Some dental issues. Has a mass on the right dorsal hip, bloody raised mass, looks neoplastic  
Abnormal PE/Chem/CBC/UA Results: FNA of right hip mass primarily blood, Suspect neoplasia. Also a SQ mass caudal to the right scapula lipoma? Right popliteal and prescapular LN enlarged. Blood and x rays pending

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

*Urinary System*

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. 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.

The left kidney is normal size (7.14 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. 1-2 small cortical cysts are visualized. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney is normal size (7.96 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

*Adrenal Glands*

The left adrenal gland is mildly enlarged (0.96 cm at cranial pole) (1.02 cm at caudal pole) (3.64 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.

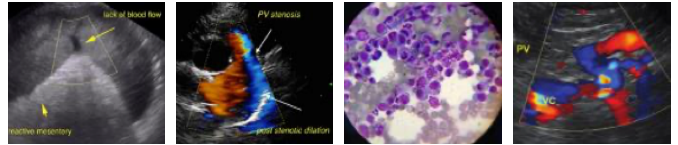
The right adrenal gland is mildly enlarged (0.76 cm at cranial pole) (0.91 cm at caudal pole) (2.98 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

*Spleen*

The spleen is normal in size (1.98 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*

The liver is subjectively prominent in size. A >6 cm isoechoic to heterogeneous mass is observed in the left lateral lobe. The remaining parenchyma is isoechoic relative to the spleen and mildly heterogeneous in appearance. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gallbladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal.



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***Gastrointestinal***

Lily Welp

The gastric lumen is mildly distended with ingesta and a 1.96 cm hard shadowing structure. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal.

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***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.

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***Free Abdomen***

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The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

***Other***

**AGE**

10 Yrs.

Dermal mass on the right dorsal hip measures 2.30 x 0.87 cm in its largest dimensions. No focal lesions are observed.

A subcutaneous mass caudal to the right scapular measures 3.07 x 1.19 cm in its longest dimensions. The lesion is homogeneous. No focal lesions are observed.

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**ULTRASONOGRAPHIC FINDINGS**

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**Primary Findings:**

- Left hepatic mass. Neoplasia (i.e., adenoma, adenocarcinoma) is considered likely with a lower possibility of benign pathology. The diffuse hepatic parenchymal changes are non-specific and could be associated with a benign age-related pathology, inflammatory disease, hepatotoxicosis or less likely, infiltrative neoplasia.

**Secondary Findings:**

- Mild left adrenomegaly.
- Minor age-related renal changes.
- The hard shadowing material within the gastric lumen may represent ingesta and/or foreign material.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases (if not already performed).
- A fine needle aspirate of the hepatic mass can be considered (if clotting status is appropriate). However, it should be noted that cytology results from primary hepatic tumors are often inconclusive. Therefore mass removal with submission for histopathology may be necessary to get a definitive diagnosis.

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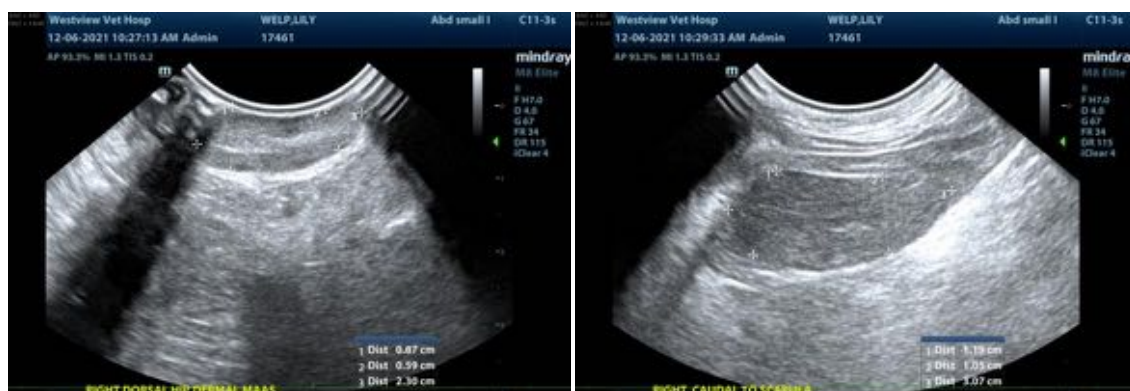
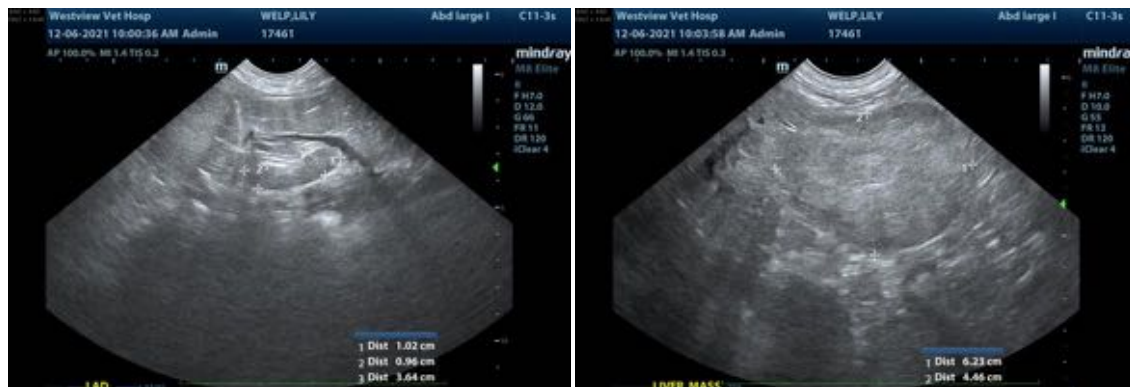
Westview VH

## REFERRING VET

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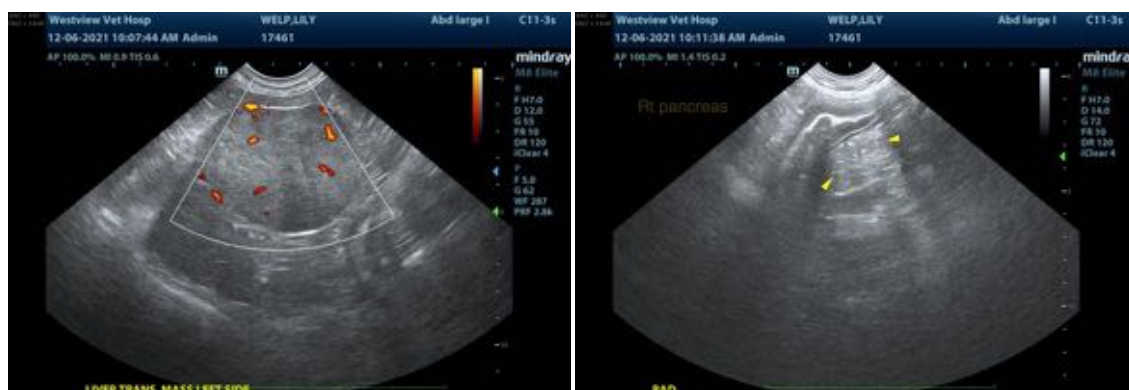
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

Andrea.nicastro@sonopath.com