


**PATIENT PRESENTING CLINICAL SIGNS**

Raleigh McLean

History: Hx of pu/pd and inappropriate urination. PE sarcopenia dorsum and hindlegs Vitals WNL M3 calculus and halitosis

**SPECIES**

Abnormal PE/Chem/CBC/UA Results: ALT 762 (10-125) H ALP 235 (23-212) H Amylase 1559 (500-1500) H u/a WNL

Canine

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

Wheaton

The urinary bladder is mildly distended with anechoic urine. In the region of the apex, the wall is thickened (0.56 cm) and irregular. No cystic calculi are observed. The region of the trigone and the visible portion of the proximal urethra are normal.

**SEX**

Female Spayed

The left kidney is normal size (5.41 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild to moderate loss of corticomedullary distinction. A small cortical cyst is observed at the caudal pole. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

**AGE**

13 Years

The right kidney is normal size (4.76 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

**WEIGHT**

17.2 kgs.

*Adrenal Glands*

The left adrenal gland is normal size (0.51 cm at cranial pole) (0.58 cm at caudal pole) (1.86 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 normal size (1.30 cm at cranial pole) (0.65 cm at caudal pole) (1.88 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.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kelly Reshny, RVT

**HOSPITAL NAME**

Oxford County VC

*Spleen*

The spleen is subjectively normal in size (1.29 cm in width at the level of the hilus) with slightly undulating peripheral contours. The parenchyma is mottled in appearance. No distinct focal lesions are observed. Splenic vasculature is normal with no evidence of thrombosis.

*Liver*

The liver is severely enlarged with rounded, irregular, peripheral contours. A &gt; 12 cm lobulated mass-effect (versus two adjoined masses) is observed in the deep left to mid-liver. The mass is heterogeneous and cavitated in appearance. The mesentery effacing the serosal surface is slightly hyperechoic. The remaining hepatic parenchyma on the right and left is slightly mottled in appearance. Hepatic vasculature and intrahepatic 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.

**REFERRING VET**

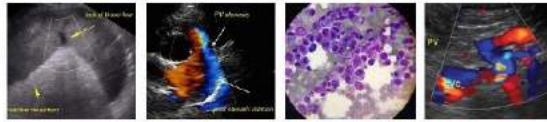
Dr. Bridge

**INVOICE**

11625kk

**DATE**

8/12/21



**PATIENT**

***Gastrointestinal***

Raleigh McLean

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. 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. No obstructive disease is noted.

**SPECIES**

Canine

***Pancreas***

**BREED**

Wheaton

A portion of the pancreas is obscured by the large hepatic mass. In the visualized portion, no obvious pathology is observed.

**SEX**

Female Spayed

***Free Abdomen***

There is no evidence of free fluid. The abdominal lymph nodes are normal/not visible.

**AGE**

13 Years

**Primary Findings:**

- Large hepatic mass-effect. Neoplasia (i.e., adenocarcinoma, hemangiosarcoma) is considered likely with a lower possibility of benign pathology.

**WEIGHT**

17.2 kgs.

**Secondary Findings:**

- Age-related renal changes with dystrophic mineralization.
- The urinary bladder wall changes could be consistent with cystitis or may be artifactual due to lack of full repletion. Correlation with clinical findings is recommended.

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

1. Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
2. If an aggressive approach is desired, consider referral to a board-certified veterinary surgeon to discuss mass removal or debulking. An abdominal CT scan would be useful in pre-surgical planning.

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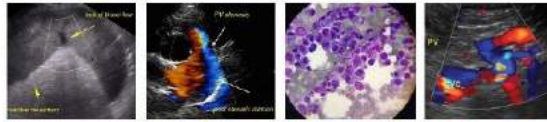
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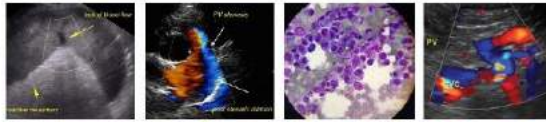
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.



**PATIENT**

Raleigh McLean  
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