

**PATIENT**

Reddington Makin

**SPECIES**

Canine

**BREED**

Portuguese Water Dog

**SEX**

MN

**AGE**

13 years

**WEIGHT**

68.6 lbs.

**INTERPRETED BY**

R. McKenzie Daniel, DVM,  
DABVP (Canine and  
Feline)

**IMAGING  
PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Wood River AH

**REFERRING VET**

David Serra, DVM

**INVOICE**

13307

**DATE**

2/11/22

**PRESENTING CLINICAL SIGNS**

Recheck echo. History chronic valvular disease - Stage B1. History ASGA. Also recent bout vomiting bile, abdominal pain/restlessness. Abdominal palpation revealed caudal abdominal mass. BUN 46; ALP 328; CBD WNL. 3 view chest radiographs normal. Having bi-cavity ultrasound exams. -Pertinent previous echo findings (3/1/21 MML): LA 31. cm; LA:Ao 1.2; LV 3.65 cm; mild LAE; mild MR; trace TR.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

The residual prostate was symmetrically normal in size with uniform parenchyma and slight coarse echotexture measuring 1.0 cm in diameter.

The area of the aortic trifurcation was free of pathology without evidence of sublumbar or medial iliac lymphadenopathy.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.0 cm in length. The right kidney measured 6.1 cm in length. No evidence of previously noted minor right kidney pyelectasia was evident.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.74 cm width at the caudal pole and 0.67 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.65 cm width at the caudal pole and 0.50 cm width at the cranial pole.

**Spleen**

The spleen exhibited generalized enlargement, primarily maintained symmetrical capsule contour and normal splenic parenchyma echogenicity exhibiting moderate coarse echotexture. A moderately expansive, nonhomogeneous to mildly cavitated mass with mild associated lateral and medial capsule distortion was present in the subjective medial spleen measuring 6.0 cm in diameter.

**Liver/ Gallbladder**

The liver exhibited subjective mild enlargement. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. No overt hepatic nodules or masses were noted. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content. The cystic and common bile ducts were normal.



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***Gastrointestinal***

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction, or foreign material.

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Canine

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction, or foreign material. The duodenum wall width measured 0.44 cm.

**BREED**

Normal visible colon wall layers were present with apparent formed feces in lumen.

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***Pancreas***

**SEX**

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

**MN**

***Free Abdomen***

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A moderately sized, Intra-abdominal lipoma in the area of the falciform ligament was present measuring 8.0-9.0 cm in diameter. Subtle evidence of regional perisplenic reactive mesentery and mild volume peritoneal free fluid were noted.

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

68.6 lbs.

- Splenomegaly with mildly expansive nonhomogeneous to cavitated mass
- Regional mild perisplenic reactive mesentery and mild volume peritoneal free fluid
- Vacuolar hepatopathy pattern - hepatic appearance subjectively static compared to the previous ultrasound
- Static mild age-related renal changes - no evidence of previously noted right kidney minor pyelectasia

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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Although histopathology is required for definitive diagnosis, the splenic mass is most suggestive of neoplasia such as sarcoma or other. Benign pathologies such as hyperplasia, hematopoiesis, granuloma, splenitis, or other are possible, yet are thought less likely.

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Overt evidence of intra-abdominal metastasis either from the splenic mass or previous anal gland adenocarcinoma was not definitively evident. Potential for non-sonographically evident metastasis / micrometastasis or omental seeding cannot be definitively excluded.

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Pending echocardiographic assessment, splenectomy with gross inspection of the perisplenic omentum, as well as the liver may be considered. A guarded prognosis pending splenic histopathology is warranted.

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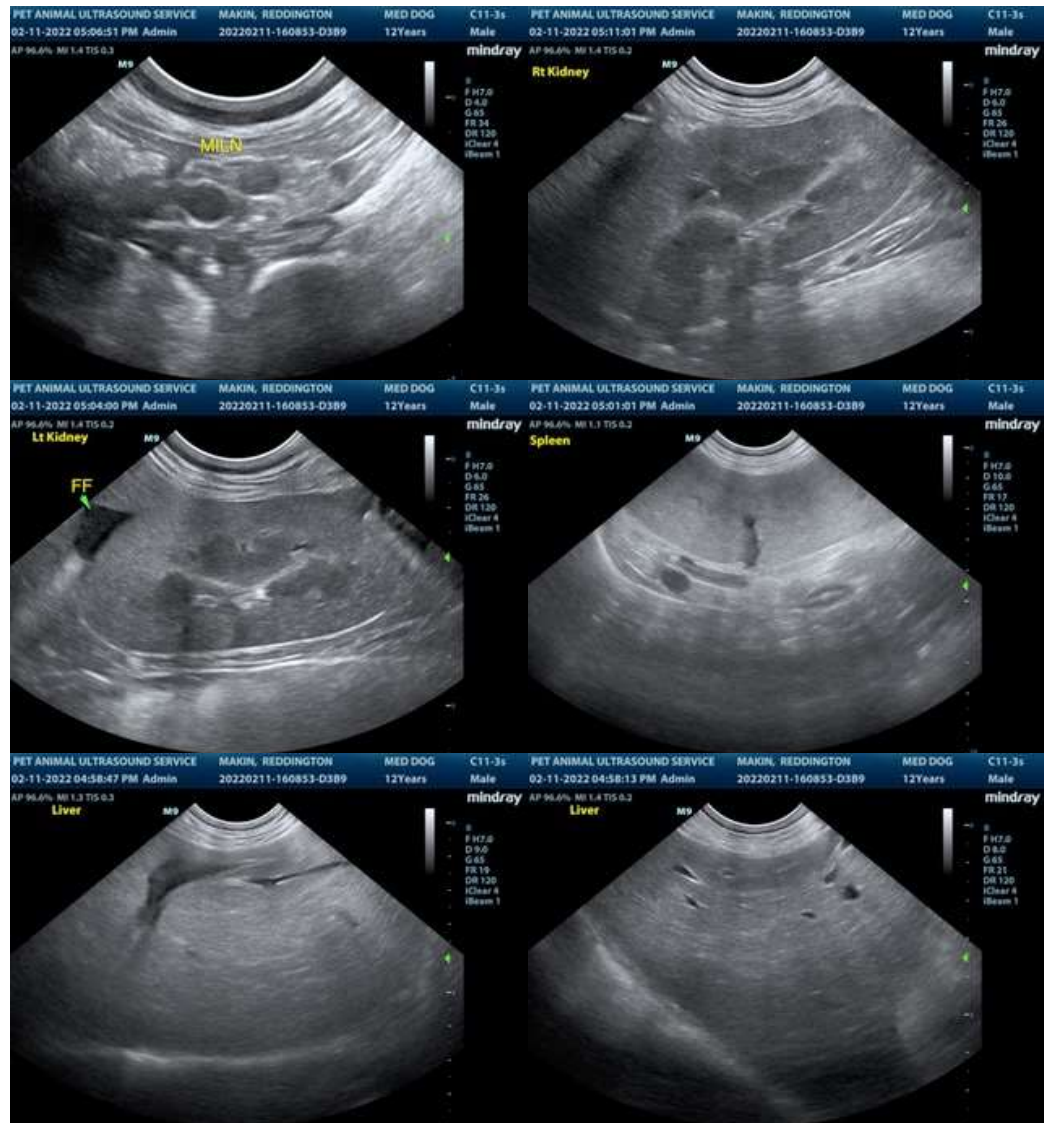
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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 info@SonoPath.com