



**PATIENT**

Luna Dunlevy

**SPECIES**

Canine

**BREED**

Mixed Large Breed

**SEX**

Spayed Female

**AGE**

78 Pounds

**WEIGHT**

78 Pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Jessica Miller

**HOSPITAL NAME**

American AH

**REFERRING VET**

Dr. Pascucci

**INVOICE**

37549

**DATE**

5/9/22

**PRESENTING CLINICAL SIGNS**

Dermal mast cell tumor on leg. Want to stage before considering treatment. Current meds: Gabapentin, Benadryl  
Abnormal PE/Chem/CBC/UA Results: Unremarkable

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm 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 were noted.

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 7.4 cm. The right kidney measured 8.1 cm.

**Adrenal Glands**

A subtle, non-expansive, mildly non-homogeneously echogenic nodule was present in the mid caudal left adrenal gland. The nodule did not exhibit signs of mineralization or vascular invasion. The nodule measured 0.68 cm x 0.44 cm in diameter. The overall left adrenal gland measured 3.3 cm length x 0.89 cm at the caudal pole. The right adrenal gland measured 3.1 cm x 0.86 cm at the caudal pole.

**Spleen**

The spleen was overall normal in size and contour with mild generalized parenchyma heterogeneity. No masses or nodules noted. Normal splenic vascularity.

**Liver**

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. Small intraparenchymal cyst noted dorsal to the gallbladder. The cyst was thinly walled, containing anechoic fluid. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with mild, echogenic, non-mineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

**Gastrointestinal**

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.

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.

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

**Pancreas**



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The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

## SPECIES

Canine

## Other

No overt pathology in the area of the uterine remnant.

## BREED

Mixed Large Breed

Several prominent to enlarged, mildly non-homogeneous to mildly hyperechoic medial iliac lymph nodes were noted adjacent to the iliac trifurcation. Example measured 5.1 cm x 1.8 cm.

## SEX

Spayed Female

- Prominent to mildly non-homogeneous medial iliac lymphadenopathy
- Subtle left adrenal nodule – suspect adenoma.
- Mild chronic renal changes
- Normal splenic size and contour with subtle splenic parenchyma heterogeneity
- Subjective mild hepatomegaly
- Mild gallbladder debris (non-mucocele)

## AGE

78 Pounds

## ULTRASONOGRAPHIC FINDINGS

### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## WEIGHT

78 Pounds

Although sampling is required for further assessment, the prominent to mildly non-homogeneous medial iliac lymph nodes are concerning for potential metastatic lymphadenopathy, given the presence of the cutaneous mast cell tumor. Hyperplasia, lymphadenitis or other non-neoplastic lymphadenopathy possible. The mild splenic parenchymal heterogeneity and mild subjective hepatomegaly were non-specific, yet not overtly suggestive of neoplastic or metastatic criteria. Likewise, the possibility of emerging primary or metastatic adrenal nodule considered unlikely.

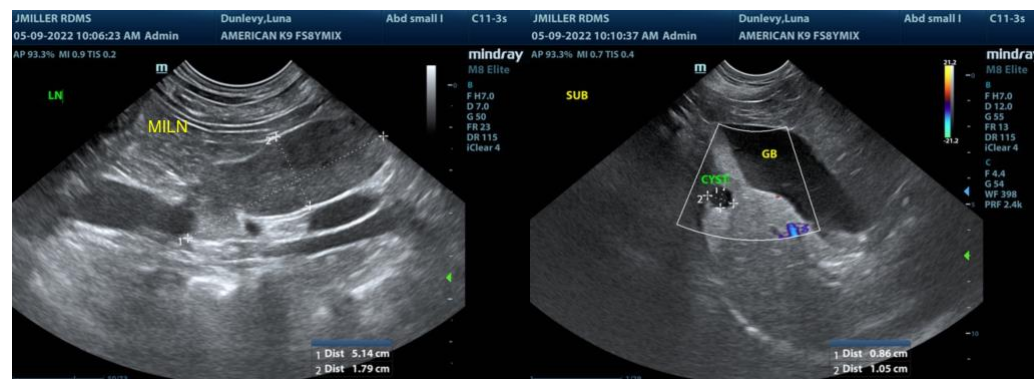
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Ultrasound guided FNA of enlarged medial iliac lymph node as well as screening hepatosplenic FNA, using 25 gauge needle, is recommended. Sonographic monitoring of the left adrenal nodule for evidence of progression +/- screening blood pressure to assess for evidence of hypertension would be ideal.

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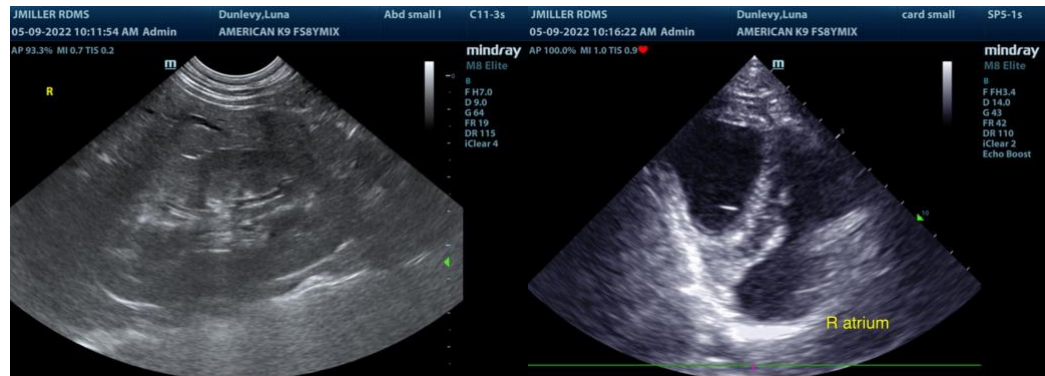
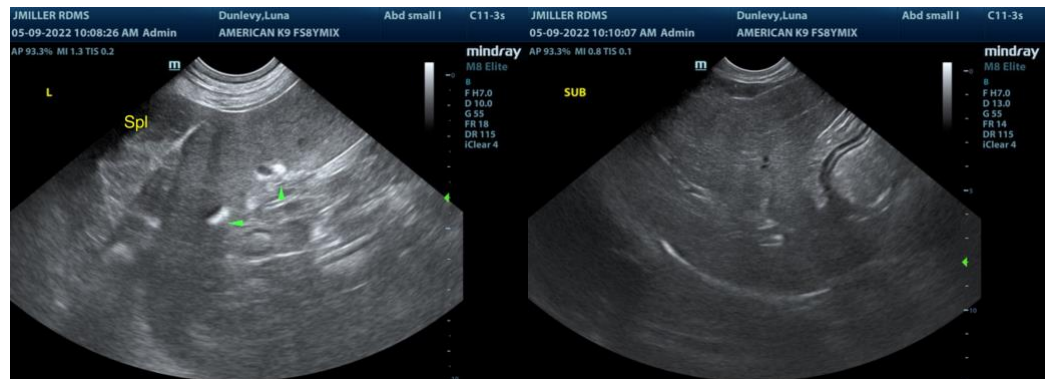
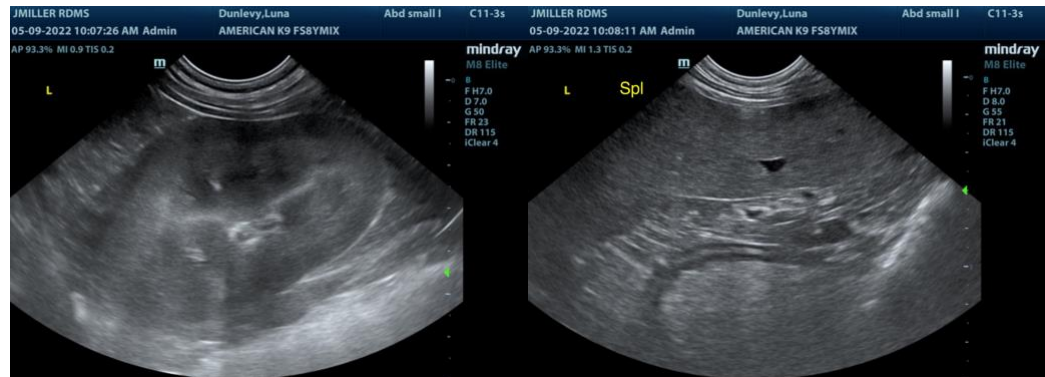
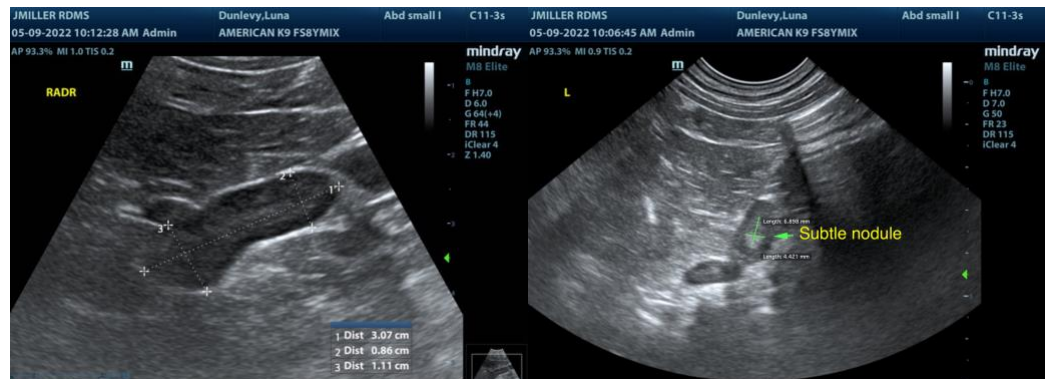
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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Luna Dunlevy

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.

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**

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