

**PATIENT PRESENTING CLINICAL SIGNS**

Ryleigh Martino Hematuria. Treated with Baytril x 10 days with no resolution. \*Sedated with dexdomitor

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

The urinary bladder was distended in size, containing primarily anechoic urine. The cystourethral junction and visible proximal urethra exhibited mild to moderate mural hypertrophy exhibiting subtle non-homogeneous mural echogenicity. Proximal urethral wall measured 0.52 cm.

BREED

Labrador Retriever

Normal size and margination was 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.6 cm. The right kidney measured 7.2 cm. Suspect caudolateral cortical infarct in the right kidney.

SEX

Spayed Female

**Adrenal Glands**

AGE

11 Years

The adrenal glands were prominent in size with asymmetrical contour and heterogeneous parenchyma with bilateral echogenic parenchymal nodules. Example of left adrenal nodule measured 0.68 cm in diameter. Example of right adrenal nodule measured 0.57 cm in diameter. The right adrenal gland exhibited mild cranial enlargement. No overt evidence of parenchymal escape or vascular invasion associated with either left or right adrenal gland.

WEIGHT

83.4 Pounds

**Spleen**

**INTERPRETED BY**

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

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**Liver**

**HOSPITAL NAME**

East Boston AH

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Raman Chopra

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. Minor echogenic gastric ingesta was present.

**INVOICE**

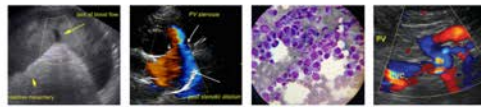
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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

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

**DATE**

10/9/21



**PATIENT** *Pancreas*

Ryleigh Martino 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** *Free Abdomen*

Canine Multifocal variably enlarged yet hypoechoic to swollen medial iliac, hypogastric and potential sublumbar lymph nodes were present. Example of medial iliac lymph node measured 5.2 cm x 2.7 cm. The lymph nodes exhibited non-homogeneous to potential pinpoint mineralized parenchyma.

**BREED** Labrador Retriever No evidence of peritoneal effusion.

**SEX** **ULTRASONOGRAPHIC FINDINGS**

- Spayed Female
- Mild to moderately thickened cystourethral junction and visible proximal urethra – strong concern for neoplasia (i.e., transitional cell carcinoma), potential for cystitis/urethritis yet considered less likely.
  - Multifocal hypoechoic to swollen medial iliac, hypogastric, and potential sublumbar lymphadenopathy – strongly suggestive of neoplastic/metastatic criteria.
  - Bilateral nodular adrenal glands – adenoma, hyperplasia, primary versus metastatic neoplasia possible.
  - Moderate chronic renal changes with suspect right kidney cortical infarct

**AGE** 11 Years

**WEIGHT** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

83.4 Pounds Assuming normal clotting status, ultrasound guided FNA of an enlarged medial iliac lymph node is recommended for cytology with potential for oncology consult. Screening BRAF assay may be considered. Screening systemic blood pressure is suggested given the adrenal nodules. If not done, rectal palpation to assess the anal sacs as well as pelvic urethra suggested.

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

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**HOSPITAL NAME**

East Boston AH

**REFERRING VET**

Dr. Raman Chopra

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**PATIENT**

Ryleigh Martino

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Spayed Female

**AGE**

11 Years

**WEIGHT**

83.4 Pounds

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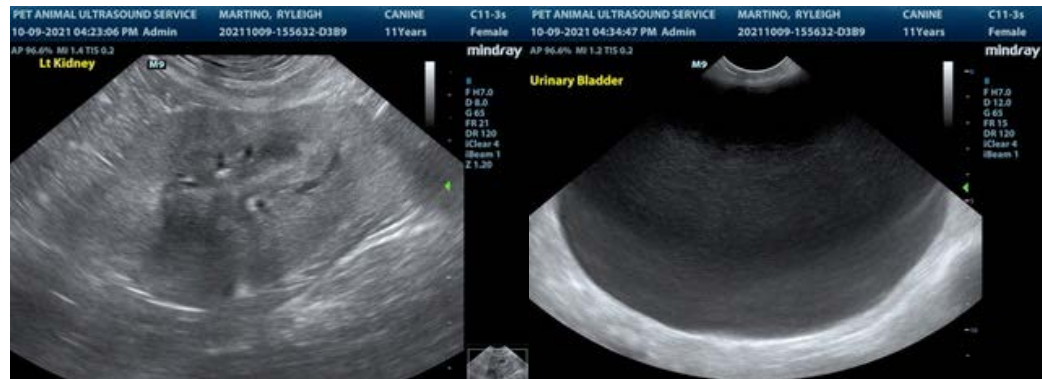
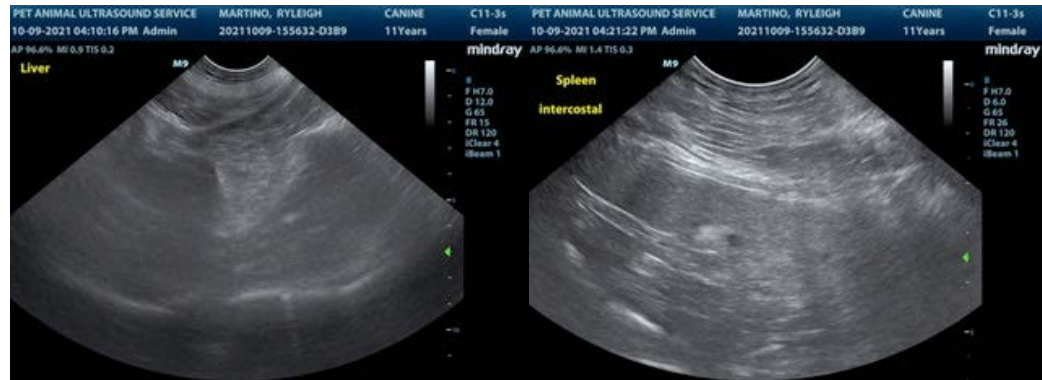
Dr. Raman Chopra

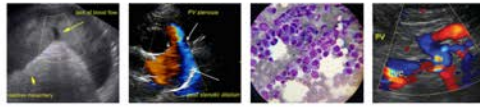
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**PATIENT**

Ryleigh Martino

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.

**SPECIES**

Canine

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.

**BREED**

Labrador Retriever

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

Spayed Female

**AGE**

11 Years

**WEIGHT**

83.4 Pounds

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