



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Louie Capaldi  
History: Urinary incontinence, urate crystals, protein  
Medication: PPA

**SPECIES** Canine  
CBC – WBC 3.7, Hct 34%. Chem – Total Protein 11.8, Glob 9.3, Alb 2.5, AST 73, Calcium 11.5. UA – USG 1.014, 2+ Protein.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

**BREED** Beagle  
The urinary bladder exhibited normal thickness and tone. Ventral apical urinary bladder wall measured 0.43 cm. Mild asymmetrical luminal surface to micropolypoid changes were present likely associated with age related mural changes. 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.

**SEX** Neutered Male

No evidence of pathology in the area of the residual prostate.

**AGE** 9 years  
The proximal urethra exhibited normal structure yet subjective mild thickening to a depth of 3.0 cm. The proximal urethra measured 0.76 cm in width. No evidence of proximal urethral urine retention or dilation.

**WEIGHT** 28.3 Pounds  
The area of the aortic trifurcation was free of pathology.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. No evidence of overt pyelonephritis. The left kidney measured 5.8 cm. The right kidney measured 5.6 cm.

**INTERPRETED BY**

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

**Adrenal Glands**

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.5 cm length x 0.47 cm in width. The right adrenal gland measured 1.8 cm length x 0.46 cm at the caudal pole.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**Spleen**

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Normal size and contour. 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.

**HOSPITAL NAME**

Mill Pond VC

**REFERRING VET**

Dr. Thayer

**Liver**

The liver exhibited mild subjective enlargement. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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.

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**Gastrointestinal**



**PATIENT** *Pancreas*

Louie Capaldi 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 A solitary, mildly prominent, suspected perirenal mesenteric lymph node was noted lateral to the left kidney, measuring 0.54 cm. Potential for non-specific yet likely benign non-lymphatic omental nodule also possible. This is considered incidental and not indicative of overt pathology.

**BREED**

Beagle **ULTRASONOGRAPHIC FINDINGS**

**SEX**

- Urinary bladder micropolypoid changes – potential for mild cystitis
- Mildly thickened proximal urethra without overt prostatic pathology – potential mild urethritis
- Mild hepatomegaly – subjectively benign

Neutered Male

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**AGE**

Urine culture and sensitivity and urine protein/creatinine ratio recommended on sterile urine sample given the proteinuria in light of overall quiet urinary bladder sediment. Protein electrophoresis (given the hyperglobulinemia) for further clarification may be considered. Rectal palpation and 3-view chest radiographs recommended given the mild hypercalcemia, or if hypercalcemia is persistent.

9 years

**WEIGHT**

28.3 Pounds

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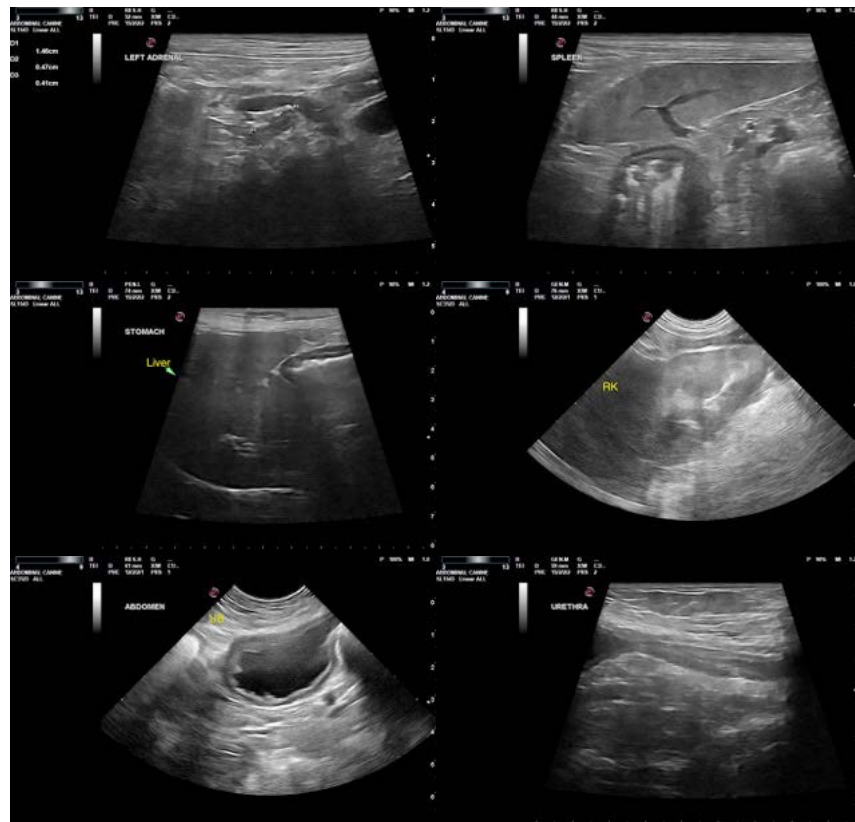
Dr. Thayer

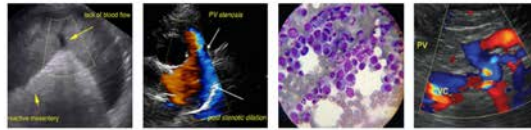
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**PATIENT**

Louie Capaldi

**SPECIES**

Canine

**BREED**

Beagle

**SEX**

Neutered Male

**AGE**

9 years

**WEIGHT**

28.3 Pounds

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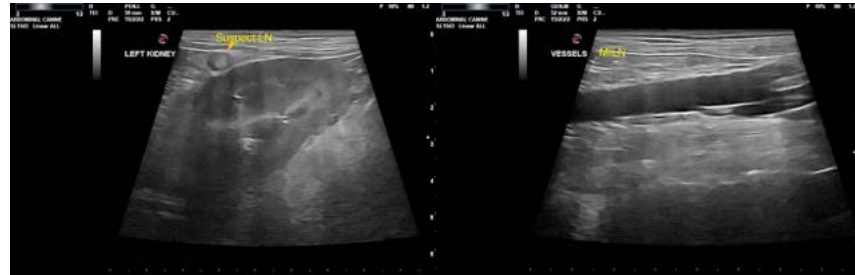
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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