

## PATIENT

CocoBunny Katzef

## SPECIES

Canine

## BREED

English Springer

## SEX

M/I

## AGE

3y 7m

## WEIGHT

24 lbs

## INTERPRETED BY

R. McKenzie Daniel, DVM,  
DABVP (Canine and

## IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

## HOSPITAL NAME

MountainView Animal  
Hospital

## REFERRING VET

Dr. Sarah Kalivoda

## INVOICE

17044

## DATE

8/26/22

## PRESENTING CLINICAL SIGNS

History: intermittent hematuria of unknown cause that leaks on bedding at night. UA and RADs normal except for UPC of 0.3 repeated. NON- antibiotic responsive to Clavamox trial

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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 prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. Small thinly walled intraparenchymal cysts (0.66 cm in diameter) were present, containing anechoic fluid. The overall prostate measured 4.5 cm x 3.5 cm. No overt evidence of periprostatic inflammation.

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 corticomodullary 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 pyelectasia. The left kidney measured 5.1 cm in length. The right kidney measured 5.2 cm in length.

### Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.41 cm width at the cranial pole and 0.47 cm at the caudal pole.

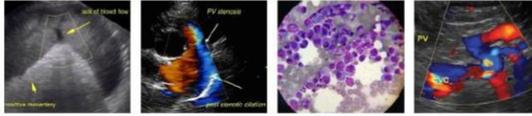
The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.49 cm width at the caudal pole.

### Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

### Liver/ Gallbladder

The liver was subjectively normal in size, structure, and contour. 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.



## PATIENT

CocoBunny Katzef The gallbladder was non distended in size with mild echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

## SPECIES *Gastrointestinal*

Canine 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.

**BREED** 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.

English Springer

## SEX

Normal visible colon wall layers were present with subjective semi formed to possible soft fecal matter present in the descending colon.

M/I

## *Pancreas*

## AGE

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 were evident.

3y 7m

## *Free Abdomen*

## WEIGHT

No overt lymphadenopathy or peritoneal effusion was present.

24 lbs

## ULTRASONOGRAPHIC FINDINGS

## INTERPRETED BY

### *Primary Findings*

R. McKenzie Daniel, DVM,  
DABVP (Canine and

- Benign prostatic hyperplasia with focal small intraparenchymal cysts
- Sonographically unremarkable urinary bladder and visible proximal urethra
- Normal bilateral kidneys- no evidence of pyelectasia/pyelonephritis

## IMAGING PERFORMED BY

### *Secondary Findings*

Loetitia Saint-Jacques, RVT

- Mild gallbladder debris- incidental

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## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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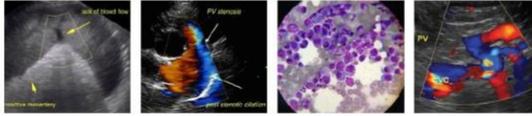
Overall, no evidence of renal or urinary bladder pathology as an obvious cause of the intermittent hematuria. No overt evidence of congenital abnormalities, such as ectopic ureter, which would be considered an unlikely differential diagnosis, unless evidence of consistent to recurrent incontinence. Minor potential for prostatitis is possible. Further assessment of the prostate would include prostatic sampling, either via ultrasound guided FNA or prostatic wash for cytology +/- culture and sensitivity. Urine culture and sensitivity on, ideally, sterile urine sample to rule out underlying infection, would be warranted, if off antibiotics for more than 7 days. Neutering, if possible, may prove beneficial.

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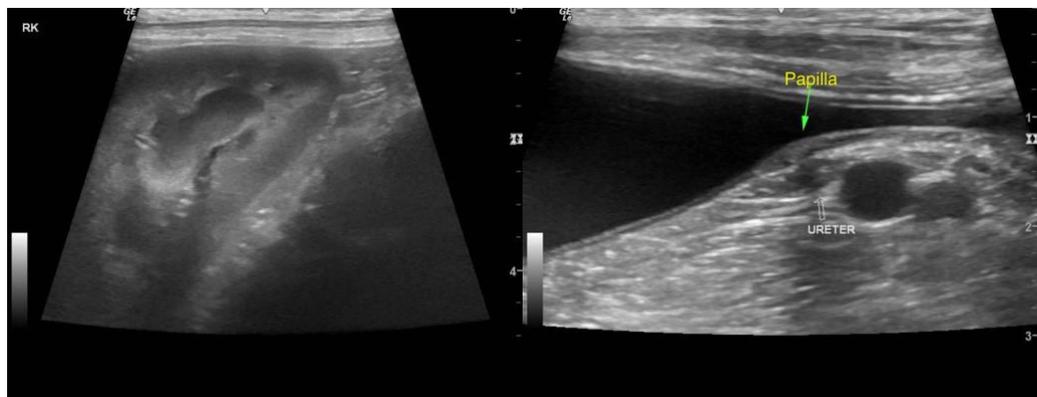
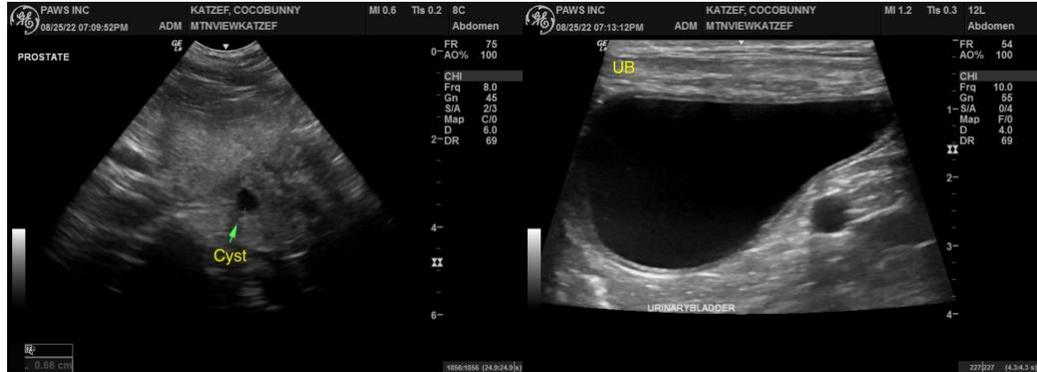
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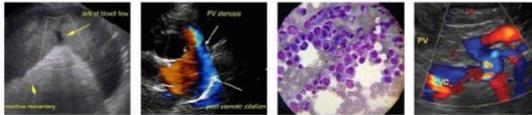
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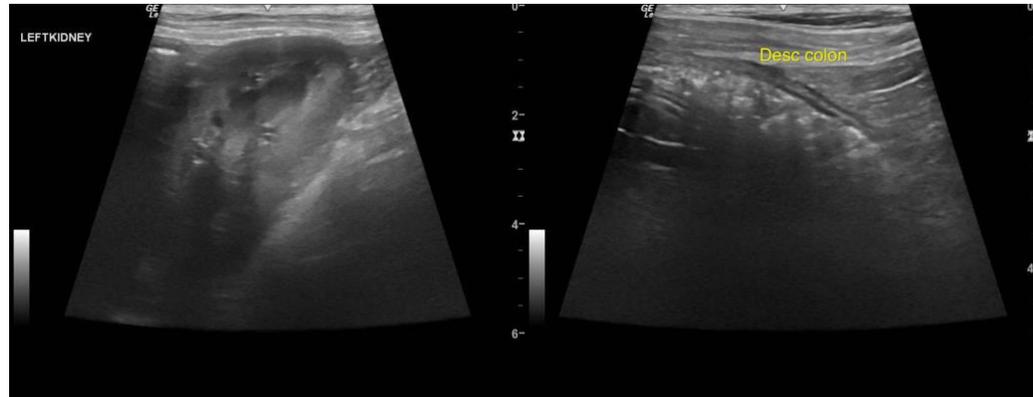
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**  
info@SonoPath.com