



**PATIENT PRESENTING CLINICAL SIGNS**

Dobby Alexia-Janvier

Per owner, patient had a vasectomy in 2016 and prior exams show palpated testicles. Currently, presents with hematuria, polyurea and inappropriate urination x 2 days. Exam today, no testicles observed/palpated. Study limited to urinary system.

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: UA - epi cells 4+, RBC >100, WBC > 100, no bacteria

**BREED**

Doodle

The urinary bladder presented uniformly thickened urinary bladder wall isoechoic to the adjacent normal urinary bladder wall. Mild asymmetrical ventroapical to dorsoapical luminal surface contour was noted. No evidence of mineralization or distinct masses noted. The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Primarily anechoic urine was present in the lumen with mild nondependent particulate sediment, likely indicative of minor cellular or crystalline debris. No evidence of calculi. The ureteral papillae were normal. The ureters were not visible which is normal. The urethra was normal to a depth of 3.0 cm.

**SEX**

Intact Male

**AGE**

6 years

The prostate exhibited mild subnormal size for a reported intact male canine, exhibiting primarily homogeneous to mildly hypoechoic parenchyma and normal prostatic capsule contour, measuring 1.4 cm in diameter. No evidence of prostatic pathology or inflammatory criteria.

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

43 lbs.

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. The left kidney measured 6.2 cm in length. Minor pyelectasia was noted in the right kidney. The right kidney measured 5.3 cm in length.

**INTERPRETED BY**

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

**ULTRASONOGRAPHIC FINDINGS**

- Moderate cystitis pattern
- Mild right kidney pyelectasia
- Subjective subnormal prostate size for a reported intact male canine- no evidence of prostatic pathology

**IMAGING**

**PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Norfolk County VS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The mild right kidney pyelectasia is nonspecific with considerations including pyelectasia secondary to mild pelvic scarring or IV fluid therapy (if applicable). Potential for low-grade right kidney pyelonephritis cannot be definitively excluded yet thought less likely given the lack of peripelvic inflammation. Urine culture and sensitivity on sterile urine sample recommended. Potential for emerging neoplastic urinary bladder disease, also thought less likely, yet cannot be definitively excluded. Screening BRAF assay would be warranted. No evidence of retained testicles in the study. Pending additional diagnostics, empirical therapy for cystitis with assessment of clinical response and potential sonographic monitoring of the urinary bladder for evidence of progressive mural changes or thickening recommended.

**REFERRING VET**

Christina Poor,  
BVetMed

**INVOICE**

13524

**DATE**

1/20/22



**PATIENT**

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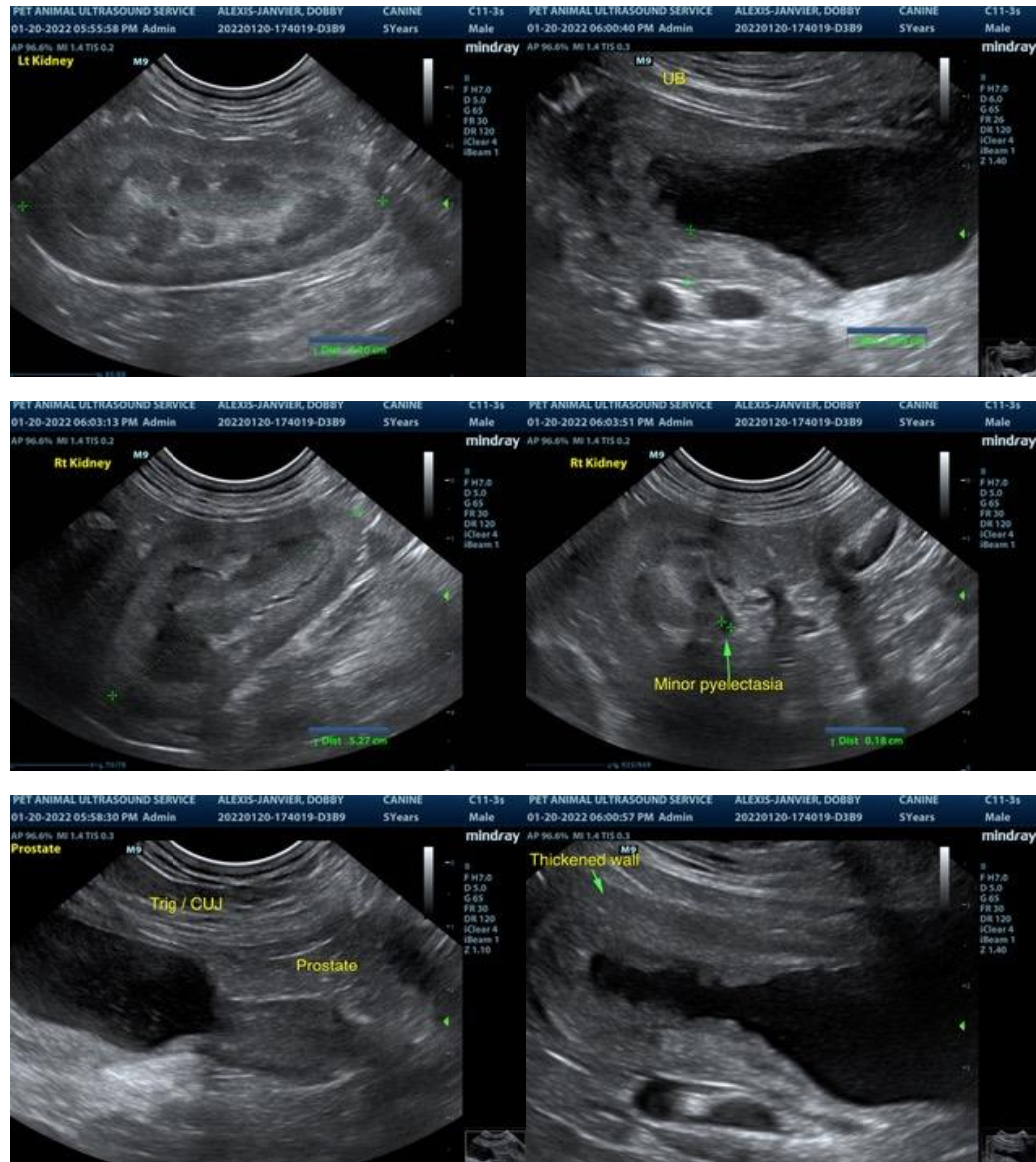
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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**