



**PATIENT**

Chlover Allicock

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

Spayed Female

**AGE**

8 years 2 months

**WEIGHT**

11.9 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Michaleen

**HOSPITAL NAME**

DPC VH

**REFERRING VET**

Dr. Ward

**INVOICE**

12167

**DATE**

9/1/21

**PRESENTING CLINICAL SIGNS**

-Chief Complaint: urinary History: o reports after uti resolved in july, she's noted few drops of blood following normal urine. no straining, and hasn't had fully bloody urine

Abnormal PE/Chem/CBC/UA Results: CV/Respiratory: Normal heart rate and rhythm, no murmur, pulses strong and synchronous, normal bronchovesicular sounds. EENT: Mild hyperemia OU, no blepharospasm. Mild erythema AS, no clinical signs of otitis per owner. Clear AD. No nasal discharge. No cough on tracheal palpation. Oral cavity: Scant tartar Musculoskeletal: BCS = 5/9. Ambulatory x 4 Uro/Perineum: No significant lesions Abd/GI: Soft, non-painful. No masses or fluid wave palpated Lymph Nodes: No peripheral lymphadenopathy Neurological: Alert and appropriate. No significant abnormalities Skin: Good hair coat. No ectoparasites seen Mentation: BAR, very sweet girl! Hydration: N Rectal: No masses, normal stool, no bleeding UA (free catch)--pyuria recurrence/pH=9.0/cocci

**ULTRASONOGRAPHIC EXAMINATION OF THE URINARY SYSTEM**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone to a depth of 2.0 cm. Mild nonuniform thickening of the urinary bladder wall was present. The urinary bladder wall width measured 0.42 cm. Multiple cystic calculi with distal acoustic shadowing were present in the dependent lumen. An example of an echogenicity measured 0.38 cm width.

The area of the aortic trifurcation was free of pathology.

Both kidneys exhibited subtle cortical hypertrophy with subtle subjective reduced medullary volume and subjective isoechoic corticomedullary echogenicity. Mild loss of corticomedullary demarcation was present. No evidence of pyelectasia or overt pyelonephritis was noted. The left kidney measured 3.4 cm in length. The right kidney measured 3.5 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 0.4 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.45 cm width.

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Cystic calculi with mild concurrent cystitis
- Bilateral mild chronic renal changes

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Cystotomy with recheck urine culture and sensitivity as well as potential urinary bladder wall biopsy and tissue culture and sensitivity are indicated. Assessment of renal parameters is suggested prior to anesthesia with appropriate perioperative IV fluid support.



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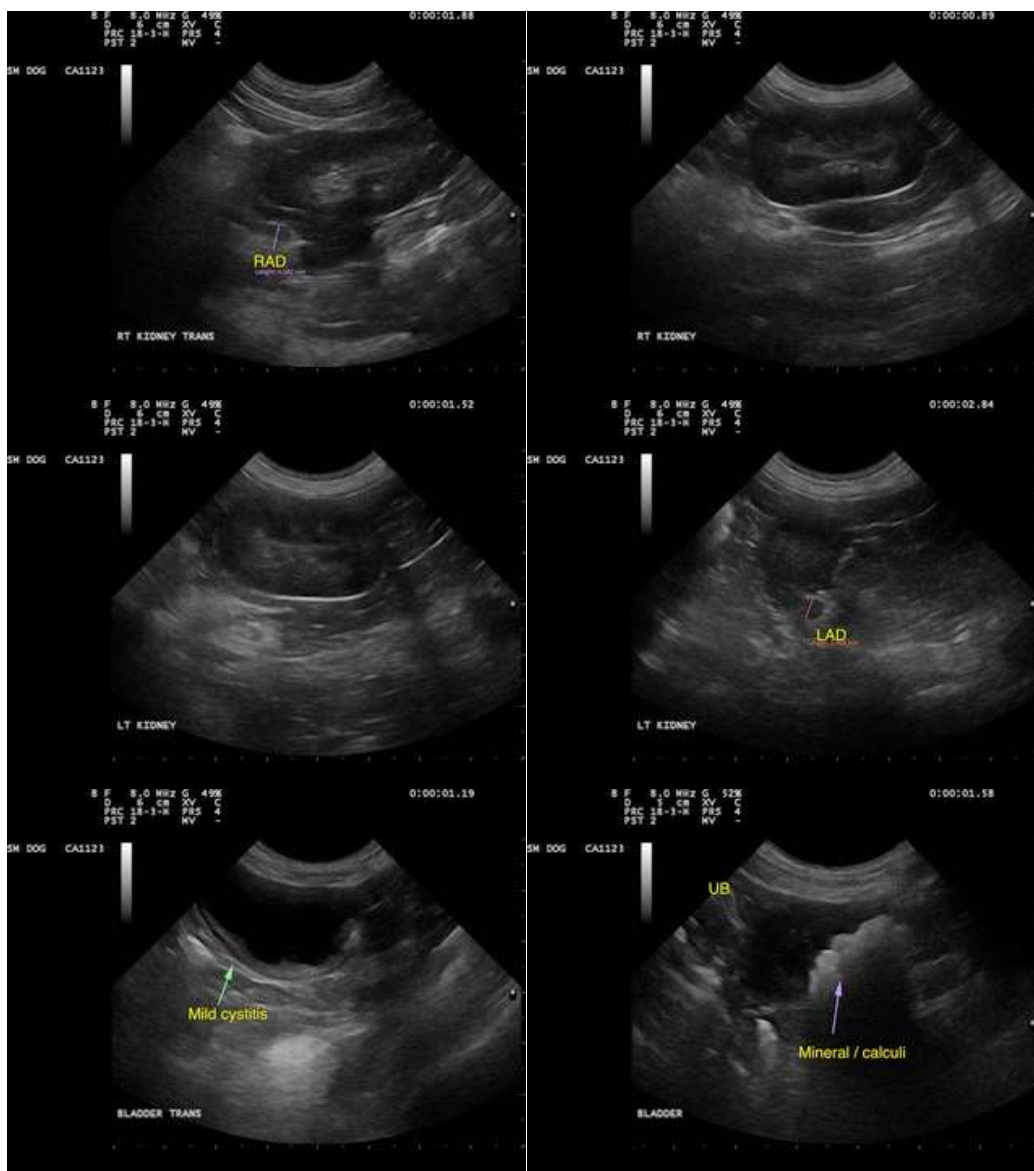
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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