



**PATIENT**

Pixie Parker

**SPECIES**

Canine

**BREED**

Chihuahua

**SEX**

FS

**AGE**

14 years, 3 months

**WEIGHT**

14 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr. Jessie Evoniuk

**HOSPITAL NAME**

State Avenue Vet  
Clinic

**REFERRING VET**

Dr. Jessie Evoniuk

**INVOICE**

14893

**DATE**

8/24/23

**PRESENTING CLINICAL SIGNS**

Urinary accidents- 1+ week plus. Lay pads done at night E/D well Water intake remains normal Bright red blood spots noted Some tint to the urine again Can't hold it and going more frequently Had been having more difficulty with defecation- O added soft food and seems firm but softer now. diabetic, managed on insulin therapy Bladder US: hyperechoic bladder with irregularity on the cranial aspect of the bladder, extended throughout the bladder urinated during the exam, with stranguria and hematuria RO neoplasia

Abnormal PE/Chem/CBC/UA Results: UA: Collection- Table top, Color- Red, Clarity- Opaque, Glucose- 50 mg/dL, Blood / Hemoglobin 250 Ery/ $\mu$ L, Urine Protein 100 mg/dL, Red Blood Cells >50 /HPF, Bacteria, Rods- Present, Unclassified Crystals- 1 - 5 /HPF April 26, 2023 BW ALP 163 \*U/L, TBIL 0.8 \* mg/dL, BUN 40 \* mg/dL, GLU 279 \*mg/dL

**ULTRASONOGRAPHIC EXAMINATION OF THE URINARY SYSTEM**

The urinary bladder was normal in size and overall tone. A nonhomogeneous, focally mineralized mass occupying the majority of the urinary bladder lumen was present measuring approximately 3.0 cm x 1.6 cm. Minimal anechoic urine was present with no overt calculi. The proximal urethra was indistinctly visualized yet overtly normal proximal urethra structure and tone were noted to a depth of 3.0 cm. Color Doppler assessment of the urinary bladder mass confirmed the presence of blood flow within the mass parenchyma.

No evidence of medial Iliac or sublumbar lymphadenopathy/masses.

The visualized kidneys exhibited normal size and margination with a 1:3 cortex / medulla ratio. Mildly indistinct corticomedullary border demarcation was noted with pinpoint areas of medullary mineral. There was evidence of hydronephrosis.

**ULTRASONOGRAPHIC FINDINGS**

- Nonhomogeneous, focally mineralized urinary bladder mass occupying the majority of the urinary bladder lumen - consistent with neoplastic criteria, transitional cell carcinoma is most likely
- Mild age-related renal changes exhibiting pinpoint medullary mineral

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Screening BRAF Assay +/- cytospin cytology of free catch urine sample to assess for atypical or neoplastic transitional cells may be considered. There was no obvious evidence of regional metastasis. However, given the extent of the urinary bladder mass occupying the majority of the urinary bladder lumen, surgical options appear to be precluded. An oncology consult is suggested.



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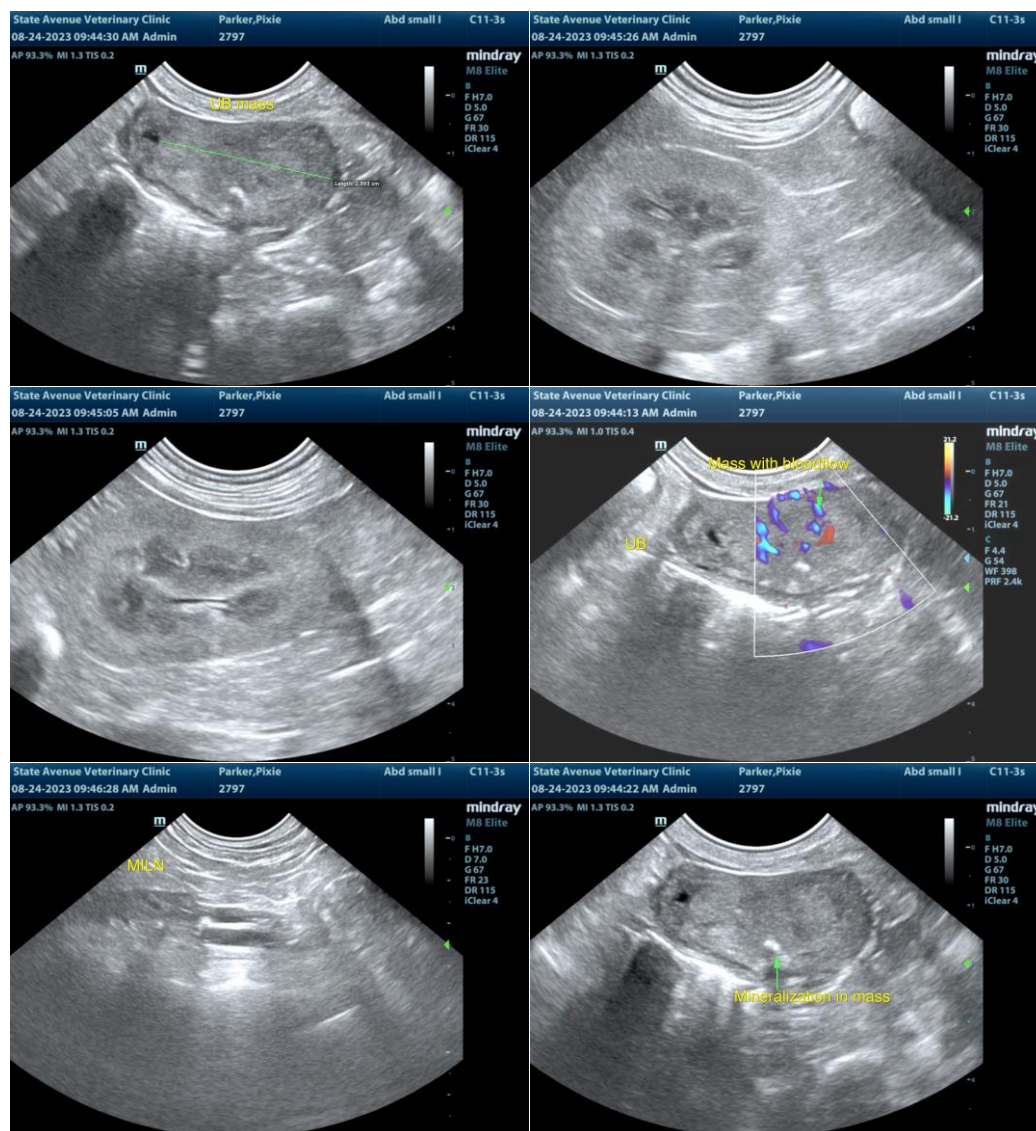
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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](mailto:info@sonopath.com)