



PATIENT PRESENTING CLINICAL SIGNS

Wallace Campbell

Presented Aug 9th for urinary obstruction (urethral). On pre-placement rads noted area of suspicious nephrolithiasis, confirmed with Rad interpretation. Has been on IVF, Maropitant, Buprenorphine and Gabapentin.

SPECIES

Feline

Abnormal PE/Chem/CBC/UA Results: CBC WNL Chem - Low creatinine, low BUN, M1 hyperglobulinemia U/A - Dark Yellow, USG greater than 1.050, pH 7.0, Protein 100mg/dl, Glucose neg, Ketone Neg, Blood hemoglobin 250ery/ul, WBCs 5/hpf, RBCs greater than 50/hpf, no bacteria, non squamous epith cells 1-2/hpf, struvite crystals 6-20/hpf Urine Culture pending. Rads report :Bladder distention consistent with obstruction, urethral calculus seen on initial rad, edema surrounding urethra , uroabdomen secondary to urethral or urinary bladder rupture cannot be ruled out but is unlikely, mild renal marginal irregularity and bilateral nephrolithiasis, distention of gas.

BREED

DSH

SEX

Neutered Male

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

AGE

14 Years

The urinary bladder was mildly distended in size with normal tone and normal appearance to the urinary bladder wall without evidence of inflammatory criteria or urinary bladder tumors. Anechoic urine was present with no significant sediment. No evidence of mineral or macrocalculi. The area of the trigone and cystourethral junction were free of pathology, exhibiting normal tone. The visualized proximal urethra to a depth of 2.0 cm, exhibited normal structure and tone without evidence of proximal urethral urine retention or obstructive criteria.

WEIGHT

7.4 kg

Both kidneys were mildly enlarged in size compared to normal renal size for felines. Maintained primarily symmetrical renal capsule contour and 1:3 cortex to medulla ratio. Mild loss of corticomedullary border demarcation was noted. Both kidneys exhibited nonobstructive nephroliths with an example of left kidney nephrolith measuring 1.0 cm in diameter. No evidence of left or right pyelectasia or retroperitoneal inflammation. The left kidney measured 5.1 cm in length. The right kidney measured 5.3 cm in length.

INTERPRETED BY

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

Adrenal Glands

IMAGING

PERFORMED BY

Crystal Hill

Both adrenal glands were overtly normal in size, position and shape. The right adrenal gland measured 0.45 cm. The left adrenal gland measured 0.38 cm.

HOSPITAL NAME

Hamilton Regional EC

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.

REFERRING VET

Dr. Hill

Liver

INVOICE

23887

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.

DATE

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The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

Gastrointestinal



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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.

SPECIES

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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.

Normal visible colon wall layers were present with apparent formed feces in lumen.

Pancreas

BREED

DSH

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.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

- Sonographically unremarkable mildly distended urinary bladder- no evidence of persistent cystic calculi, mineral, no evidence of urinary bladder tumors or other obstructive pathology.
- Sonographically unremarkable visualized proximal urethra- no evidence of urethral obstructive pathology.
- Bilateral mild renomegaly, exhibiting nonobstructive bilateral nephrolithiasis.

AGE

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WEIGHT

7.4 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No current evidence of lower urinary tract obstruction. Aside from previously noted and confirmed bilateral nonobstructive nephrolithiasis with concurrent mild chronic renal changes, no overt evidence of upper or lower urinary tract pathology. Correlation with pending urine culture and sensitivity is recommended. Renal or urinary diet may be considered.

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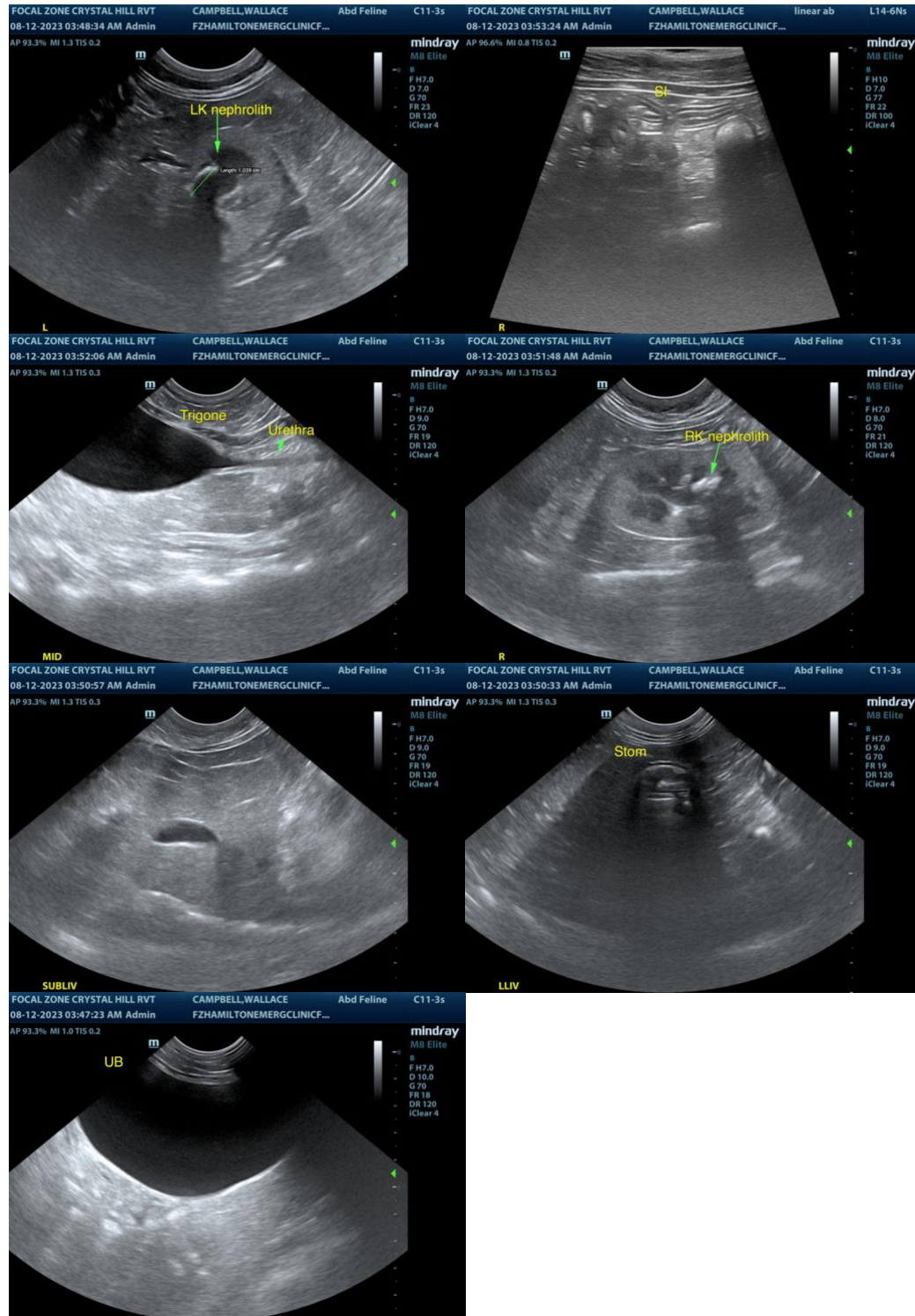
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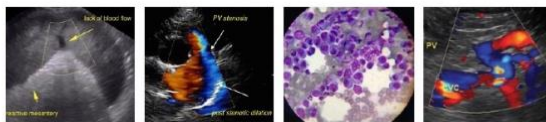
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance please contact me.

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