



**PATIENT**

Gracie Brown

**SPECIES**

Feline

**BREED**

DMH

**SEX**

FS

**AGE**

9yr

**WEIGHT**

12.5lb

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Rodriguez

**HOSPITAL NAME**

FoxfieldVS

**REFERRING VET**

Rodriguez

**INVOICE**  
24478

**DATE**

04/13/2026

**PRESENTING CLINICAL SIGNS**

Inapprop urination

Abnormal PE/Chem/CBC/UA Results: Bloodwork WNL. USG: 1.043, Protein 3+, Blood 3+, UPCR: 0.7

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra exhibited normal tone. Mild nonuniform thickening of the urinary bladder wall was present. A solitary dependent lumen shadowing non-homogenous calculus was present measuring 1.1 cm in diameter. The ventroapical urinary bladder wall measured 0.36 cm wall width. The trigone and cystourethral junction were free of pathology with normal urethra to a depth of 3 cm. A small non-disruptive thinly walled cystic structure was present in the apical urinary bladder wall measuring 0.42 cm in diameter.

Normal size and margination was 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 with no evidence of pelvic dilation. A mild hyperechoic corticomedullary band, consistent with a medullary rim sign, was present. This is a nonspecific finding seen in both normal and abnormal kidneys. It may be associated with interstitial renal disease, hypercalcemia, tubular necrosis, lymphoma, and FIP. However, it is a nonspecific finding. The left kidney measured 4.0 cm in length. The right kidney measured 4.3 cm in length.

The area of the aortic trifurcation was free of pathology.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.41 cm width.

**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. Subjective adequate vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. 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 contained mild non-shadowing ingesta sonographically suggestive of food echogenicity with no signs of obstruction or foreign material.

## SPECIES

Feline

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained similar appearing non-shadowing ingesta/chyme with no signs of obstruction or foreign material.

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

## BREED

### *Pancreas*

DMH

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

FS

### *Free Abdomen*

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

## AGE

9yr

## ULTRASONOGRAPHIC FINDINGS

### Primary

- Solitary cystic calculus with mild cystitis and small non-disruptive apical mural cyst
- Nonspecific mild bilateral renal medullary rim sign

## WEIGHT

12.5lb

### Secondary

- Mild gastrointestinal ingesta- consistent with food / chyme

## INTERPRETED BY

R. McKenzie Daniel,  
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(Canine and Feline)

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Cystotomy with concurrent urine C/S +/- biopsies of the urinary bladder wall at the time of surgery for histopathology and tissue C/S to rule out concurrent UTI may be considered. Gross inspection of the small mural cyst if visible at the time of surgery is recommended. No evidence of left /right ureter obstruction.

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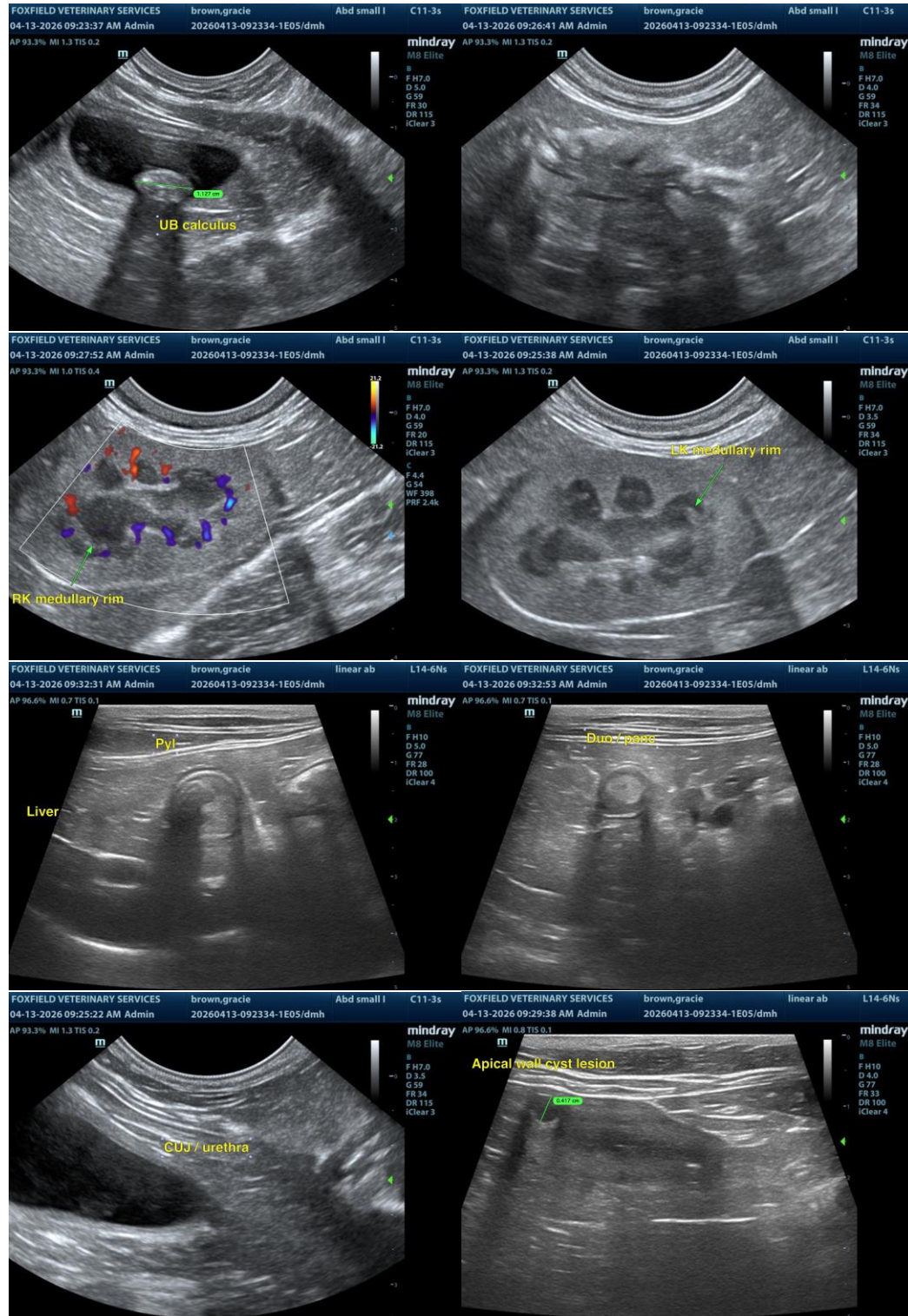
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not



## PATIENT

visible in the image/video clips provided.

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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.

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[info@sonopath.com](mailto:info@sonopath.com)

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