



**PATIENT PRESENTING CLINICAL SIGNS**

Rebel Homlish  
History: Survey AUS of kidneys especially. Current meds: Laser therapy for interstitial cystitis.  
Abnormal PE/Chem/CBC/UA Results: SDMA 23, alb 4.0, T4 1.8, BUN 49, Creat 2.6, Chol 365, Trig 168, Amylase 1944. U/A 9/28/21 USG 1.018, PH 6, Prot 1+, Bld 2+, wbc 2-2, rbc 11-20. Cysto from today pending.

**SPECIES**

Feline

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

DSH

**Urinary System**

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

**SEX**

Neutered Male

The left kidney is normal in size (3.06 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is mild to moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A few tiny nonobstructive nephroliths are visualized. Trace pyelectasia is present. There is no evidence of infarcts or hydroureter. Renal vasculature is normal.

**AGE**

11yr

The right kidney is normal in size (3.08 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. There is moderate loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. A 0.34 cm mineralization is observed in the cortex of the caudal pole. A few small nephroliths are also seen. There is no evidence of pyelectasia, infarcts or hydroureter. Renal vasculature is normal.

**WEIGHT**

Not given

**Adrenal Glands**

The left adrenal gland is normal size (0.43 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

**INTERPRETED BY**

Andrea Nicastro, DMV,  
Diplomate DACVIM  
(Small Animal  
Internal Medicine)

The right adrenal gland is normal size (0.54 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

**IMAGING PERFORMED BY**

Shari Reffi, CVT

**Spleen**

The spleen is subjectively small in size (0.40 cm in width at the level of the hilus) with normal curvilinear peripheral contours. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

**HOSPITAL NAME**

Whippany Vet  
Hospital

**Liver**

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative, or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed.

**REFERRING VET**

Dr. Smith

The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

**INVOICE**

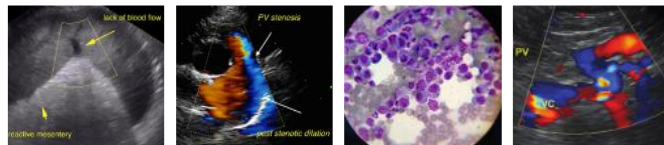
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**Gastrointestinal**

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecal colic junction and colonic wall are normal. No obstructive disease is noted.

**DATE**

1/13/22



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**Pancreas**

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

**SPECIES**

Feline

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

**BREED**

DSH

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

- Bilateral nonspecific age-related renal changes with dystrophic mineralization and non-obstructive nephrolithiasis.

**SEX**

Neutered Male

**Secondary Findings**

- The subjectively small spleen may be a normal variant for this patient or may represent contraction secondary to dehydration. Correlations with clinical findings is recommended.

**AGE**

11yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Given the presence of renal disease, a urine culture and sensitivity and baseline blood pressure measurement are recommended. If proteinuria is persistently present (on samples that are free of blood), a UPC should be considered.
- Also consider three-view thoracic radiographs to assess cardiopulmonary status, particularly if fluid therapy is to be initiated.
- Serial monitoring (i.e., every 2-3 months) of the patient's renal values is recommended to assess for disease progression

**WEIGHT**

Not given

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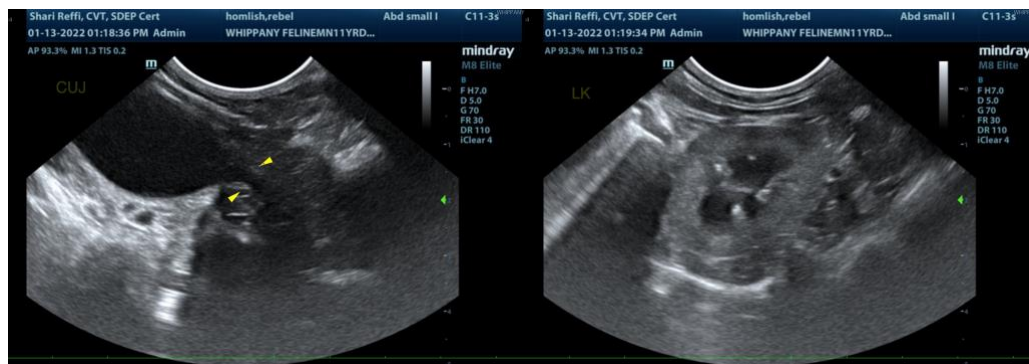
Dr. Smith

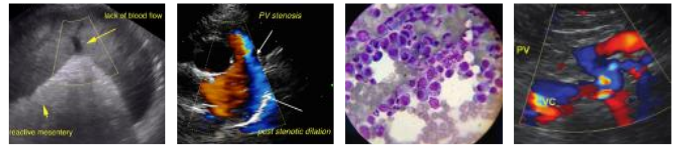
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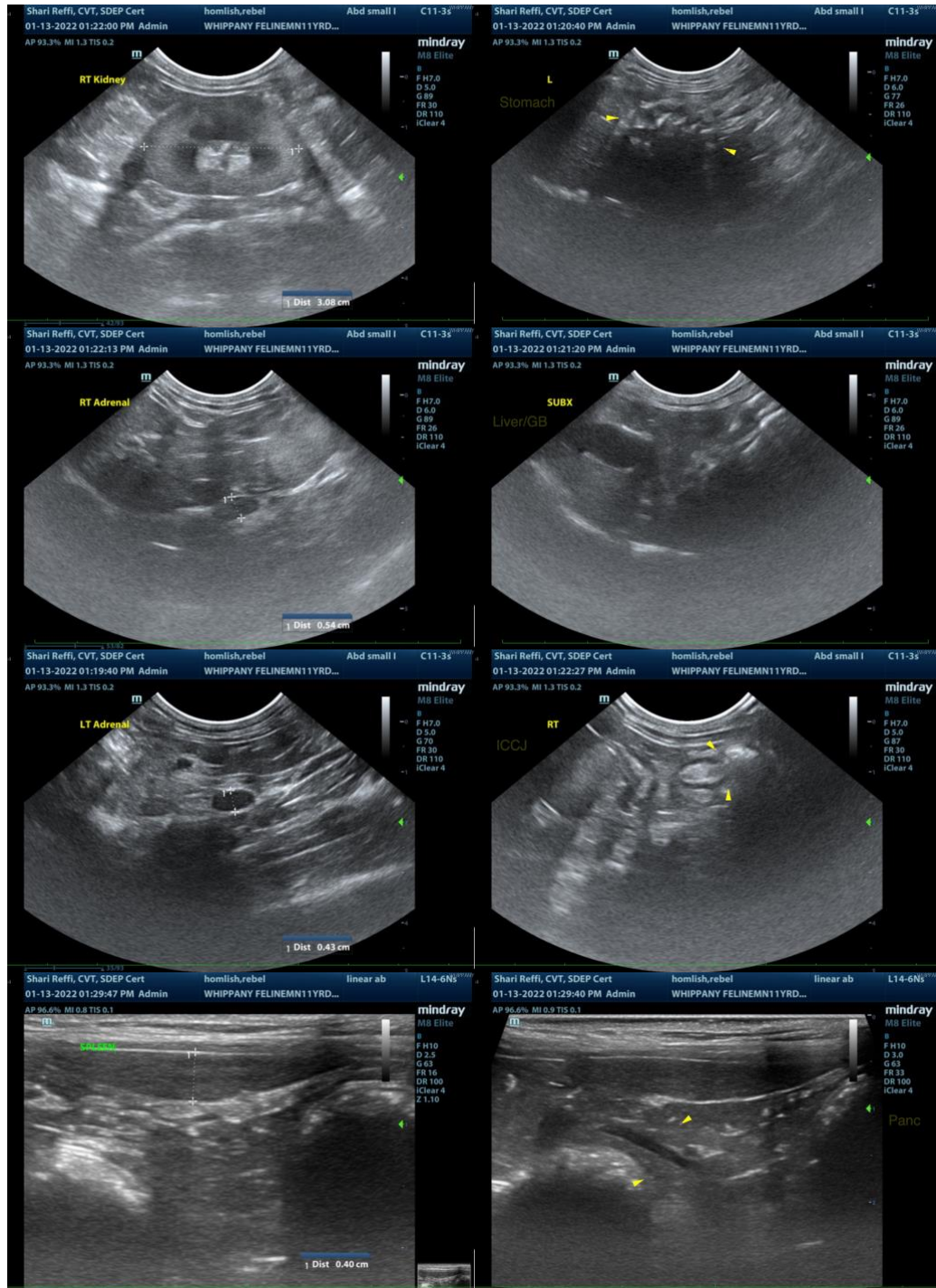
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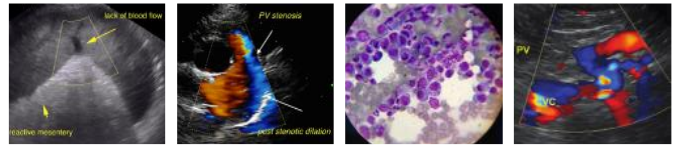
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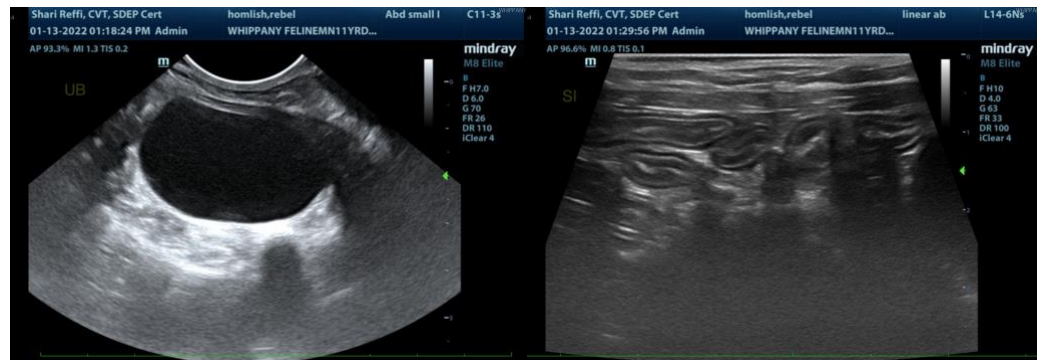
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

**Andrea Nicastro, DVM, Diplomate DACVIM (Small Animal Internal Medicine)**  
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