



PATIENT PRESENTING CLINICAL SIGNS

Chili Miller History: ongoing urinary issues

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

SPECIES

Feline

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED

DLH

Normal size and margination was present in the left kidney. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 3.6 cm in length.

SEX

Male

Normal size and margination was present in the right kidney. A normal 1:3 cortex / medulla ratio with a mild loss of corticomedullary border demarcation was present. 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 subtle to indistinct 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 interstitial renal disease, hypercalcemia, tubular necrosis, lymphoma, and FIP. However, it is a nonspecific finding. The right kidney measured 3.7 cm in length.

AGE

11 years

WEIGHT

5.3 kg

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 0.25 cm. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.28 cm.

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. The spleen measured 0.53 cm in width at the level of the hilus.

Liver

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

INTERPRETED BY

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

IMAGING PERFORMED BY

Kelly Reschny

HOSPITAL NAME

Beattie Pet Hospital

REFERRING VET

Dr. Davis

INVOICE

10142ag

Gastrointestinal

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.

DATE

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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.



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

Chili Miller **Pancreas**

SPECIES 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.

Feline

ULTRASONOGRAPHIC FINDINGS

- BREED**
- Sonographically unremarkable urinary bladder and visible proximal urethra.
 - Mild age-related renal changes with subtle to indistinct right kidney nonspecific medullary rim sign.
- DLH**

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

SEX

Male No overt evidence of significant upper or lower urinary tract pathology as an obvious cause of the patient's persistent urinary issues. If not recently done, a urinalysis including a urine C/S and baseline UPC on a sterile urine sample is recommended.

AGE

11 years Depending on the clinical impression of the patient, low grade feline idiopathic cystitis or a behavioral component to the urinary issues could be possible.

WEIGHT

5.3 kg

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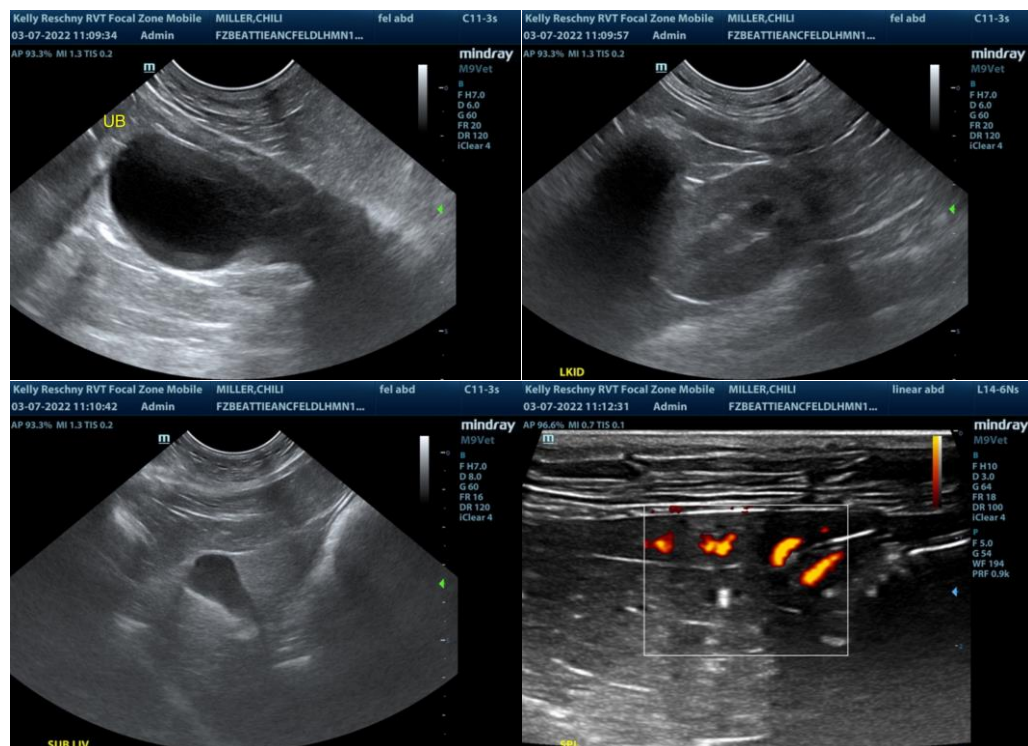
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PATIENT

Chili Miller

SPECIES

Feline

BREED

DLH

SEX

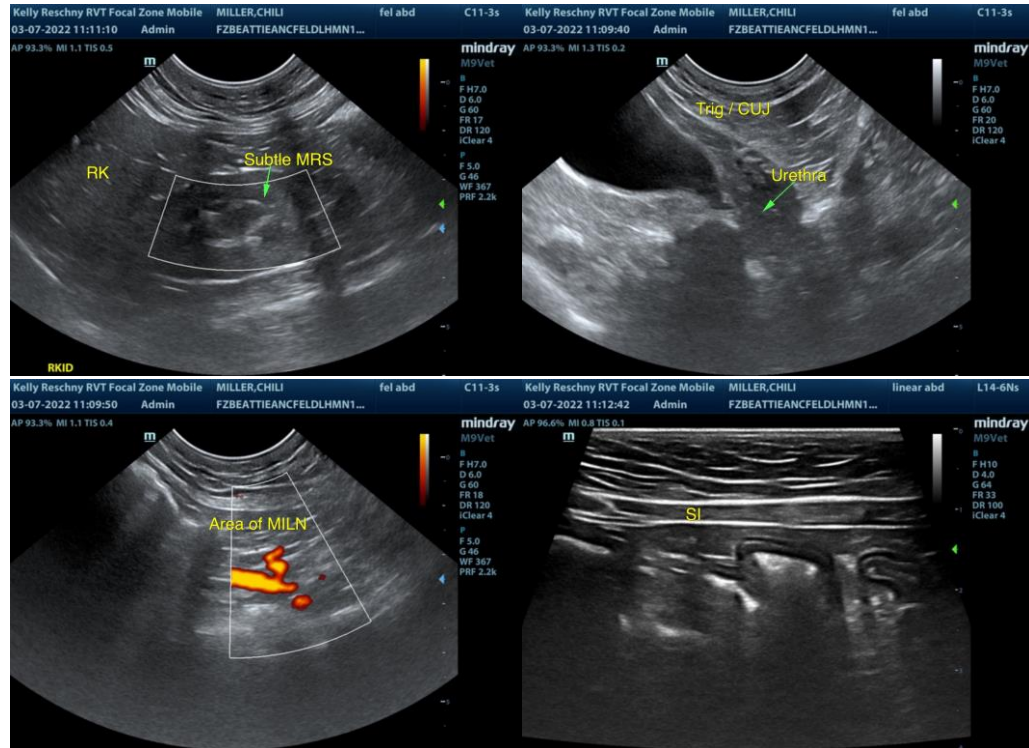
Male

AGE

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WEIGHT

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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.

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