

PATIENT PRESENTING CLINICAL SIGNS

Moxie Otto New patient. Initial BW - renal azotemia. Has been on renal support diet and Benazepril for proteinuria since. Repeat BW showed elevation in renal values. On Benazepril 1.5 mg q24h; Amlodipine 0.625 mg q24h

SPECIES Abnormal PE/Chem/CBC/UA Results: Hematocrit 26.0; SDMA 29; creat 1.4; BUN 89; Phos 6.8; Albumin 2.5; ALT 24

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Persian The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of – 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.

SEX

Spayed Female The left kidney presented mild to moderate generalized enlargement and asymmetrical contour. Moderate loss of corticomedullary border demarcation noted, primarily owing to multifocal variably sized corticomedullary cysts containing primarily anechoic fluid. Example of left kidney cyst measured 2.7 cm. The left kidney itself measured 5.7 cm in length. A solitary, non-specific, mildly hypoechoic to non-homogeneous nodule was noted in the mid caudal left kidney adjacent to a cortical cyst. The nodule measured 2.0 cm diameter. Mild pyelectasia noted. No evidence of concurrent left ureter dilation.

AGE

12 Years

WEIGHT

6.4 Pounds

Adrenal Glands

No overt pathology in the area of the left and right adrenal glands.

INTERPRETED BY

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

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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. The parenchymal heterogeneity is likely consistent with benign changes such as extramedullary hematopoiesis or age related remodeling with minor potential for inflammatory or neoplastic disease. The spleen was normal in size measuring 0.85 cm in width.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Littleton AH

Liver

REFERRING VET

Dr. Dawn Brooks

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 mild, echogenic, nonmineralized biliary sludge. The common bile duct was mild to moderately dilated and tortuous without overt post hepatic obstruction. Common bile duct dilation measured 0.43 cm in width. Mild non-obstructive ductal mucus was noted. No evidence of calculi. This finding may suggest age related changes or secondary to underlying cholangitis / cholangiohepatitis especially if previous or current liver enzymes elevations have been noted.

INVOICE

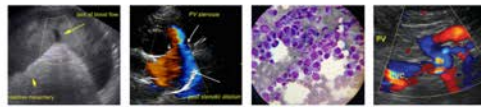
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DATE

8/12/21

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.



PATIENT

Moxie Otto

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.

SPECIES

Feline

Pancreas

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.

BREED

Persian

Free Abdomen

No overt lymphadenopathy. A minor amount of non-specific peritoneal free fluid was present.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

- Left kidney renomegaly with significant polycystic changes, minor pyelectasia, and non-specific parenchymal nodule
- Right kidney severe renomegaly with generalized severe cystic changes
- Mild gallbladder debris
- Mild to moderate common bile duct dilation with minor non-obstructive mucoduct
- Minor peritoneal free fluid

AGE

12 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.4 Pounds

The bilateral kidneys were most consistent with probable breed associated polycystic renal disease, more prominent in the right kidney. The functionality of the right kidney is suspected to be severely compromised to non-existent with likely compromised function of the left kidney. Minor potential for emerging neoplasia associated with the right kidney possible, yet considered less likely. Essential therapy for chronic renal disease with periodic monitoring of proteinuria and blood pressure would be appropriate.

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

The presence of minor gallbladder debris and subjective to non-obstructive common bile duct dilation with ductal mucus is non-specific. Considerations may include non-clinical cholestasis, age related common bile duct changes, or potential cholangitis if previous history of elevated liver enzymes. This is likely incidental given the lack of hepatic enzyme elevations or cholestasis. Overall very guarded long-term prognosis given the appearance of the bilateral kidneys.

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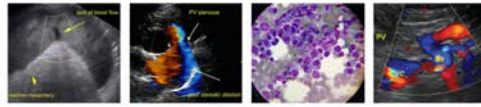
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PATIENT

Moxie Otto

SPECIES

Feline

BREED

Persian

SEX

Spayed Female

AGE

12 Years

WEIGHT

6.4 Pounds

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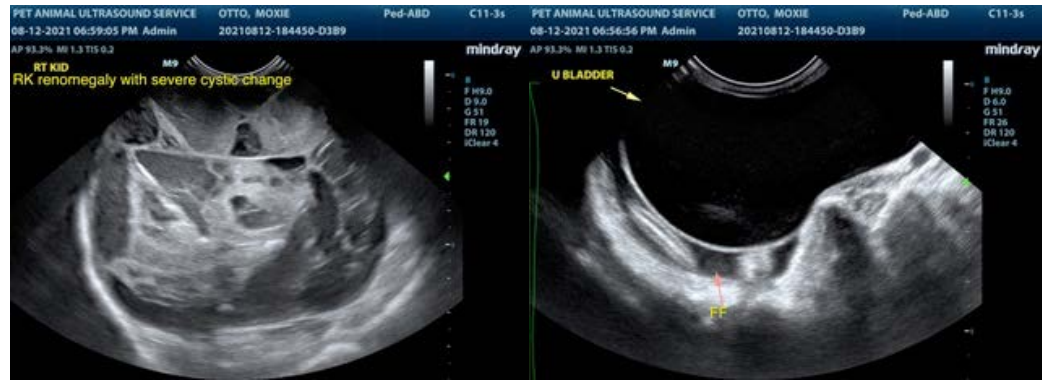
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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