

PATIENT PRESENTING CLINICAL SIGNS

Piggy Ohanians pollakuria since late June. Prone to UTIs because when she squats to urinate, unable to hold herself up with hind legs and touches the dirt. Hypothyroid. Check liver on AUS
Abnormal PE/Chem/CBC/UA Results: ALT 345, AL 544, SDMA 16, Chol 503, Spec CPL 543, T4 0.8 UA:
SG 1020, LEU 500, PRO 500, BLD 250

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Pitbull

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic urinary bladder mural criteria.

SEX

FS

No evidence of pathology in the area of the aortic trifurcation.

AGE

14 Years

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Mild pyelectasia is present in both kidneys. The left kidney measured 6.6 cm in length. The right kidney measured 7.2 cm in length.

WEIGHT

81 lbs

Adrenal Glands

Bilateral symmetrical adrenal gland enlargement with uniformly hypoechoic parenchyma was present. The left adrenal gland measured 1.7 cm width at the caudal pole and 0.95 cm width at the cranial pole.

INTERPRETED BY

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

The right adrenal gland was mildly prominent in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The right adrenal gland measured 1.2 cm width in the cranial pole and 0.73 cm width in the caudal pole.

IMAGING PERFORMED BY

Loetitia Saint-Jacques, RVT

Spleen

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. A subtly expansive mixed echogenic to nonhomogeneous nodule was noted in the caudomedial splenic parenchyma measuring 1.9 cm diameter. Additional concurrent non-expansive subtle hypoechoic parenchymal nodules were also present in the spleen. 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.

HOSPITAL NAME

Roundhill Animal Hospital

REFERRING VET

Dr Carl Kelly

Liver / Gallbladder

The liver presented normal in size. The parenchyma of the liver was increased in echogenicity compared to the spleen and renal cortices with nonuniform to patchy echotexture. Reduced distinction and visualization of the portal structures was present. Intermittent variably sized hypoechoic parenchymal nodules were present. An example of a liver nodule measured 3.4 cm diameter.

INVOICE

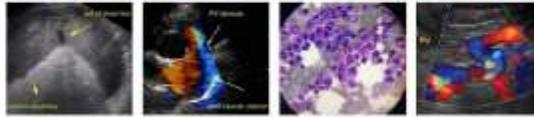
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The gallbladder was non-distended in size with thin walls and primarily anechoic content with very minor echogenic luminal debris. The cystic and common bile ducts were normal.

DATE

8-7-21

Gastrointestinal



PATIENT

Piggy Ohanians

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

Canine

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

Pitbull

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.

Free Abdomen

SEX

FS

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

AGE

14 Years

- Chronic hepatopathy.
- Bilateral moderate chronic renal changes with minor pyelectasia.
- Sonographically unremarkable urinary bladder and visible proximal urethra.
- Bilateral prominent adrenal glands - more so in the left adrenal gland.

WEIGHT

81 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

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

The presentation of the liver was nonspecific with potential considerations including vacuolar hepatitis, chronic active hepatitis, cholangiohepatitis, early fibrosis / cirrhosis or other hepatopathy with areas of hematopoiesis or nodular to regenerative hyperplasia. Hepatic neoplasia considered a less likely differential diagnosis yet cannot be excluded.

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The clinical significance of the bilateral prominent adrenal glands is unclear. Age related, patient variant, minor adenomatous change, benign hyperplasia, or less likely emerging neoplasia specifically in the left adrenal gland may be possible. Full adrenal workup and screening blood pressure may be considered if clinically indicated.

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Hepatosupportive medications including denamarin and ursodiol and recheck urine culture and sensitivity on a sterile urine sample may be considered.

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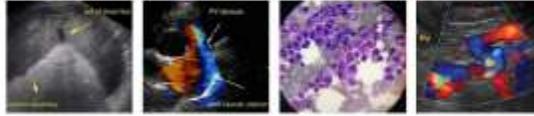
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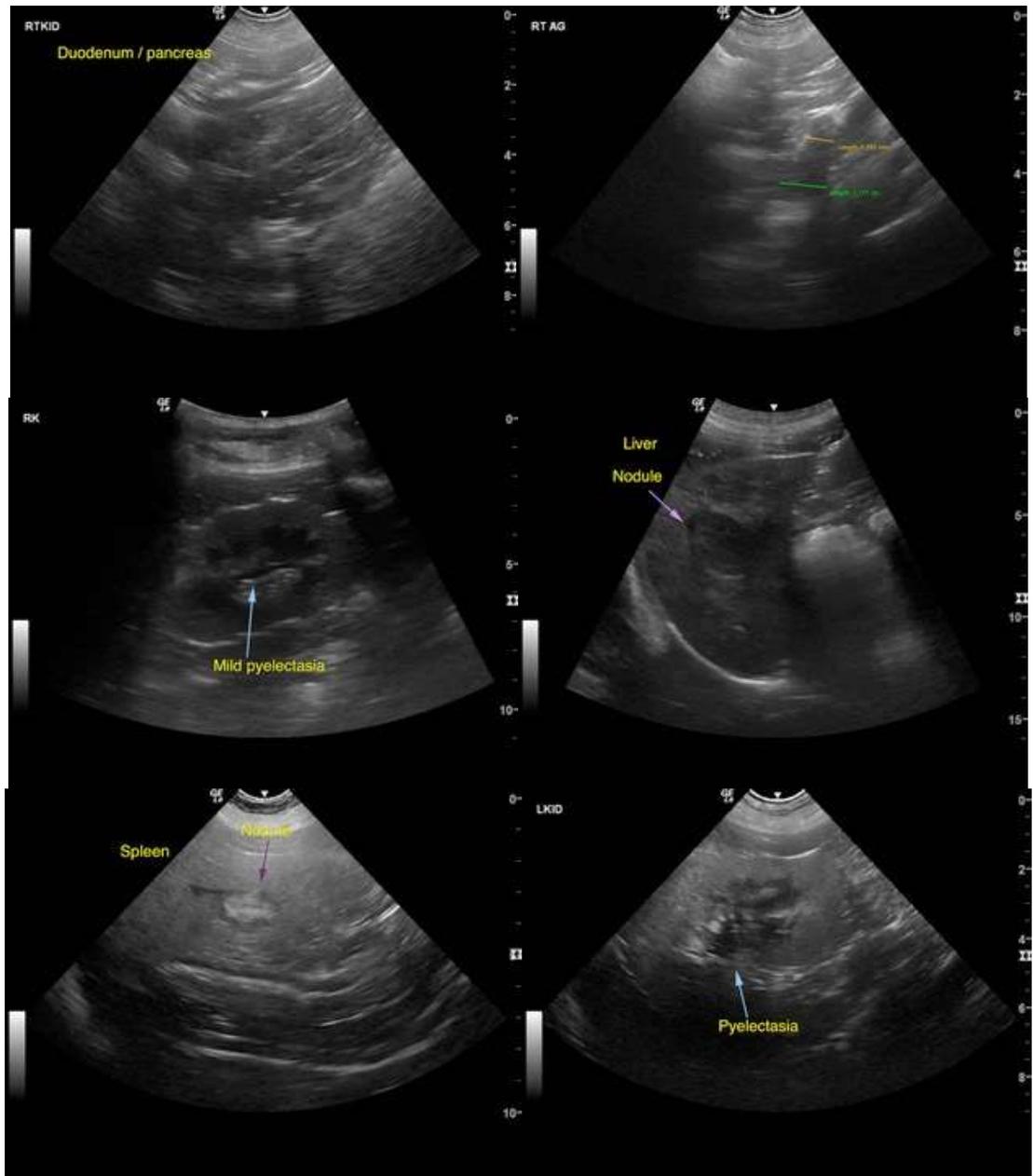
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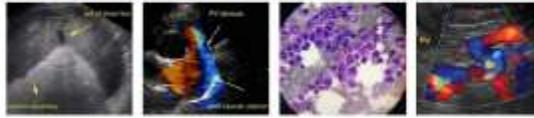
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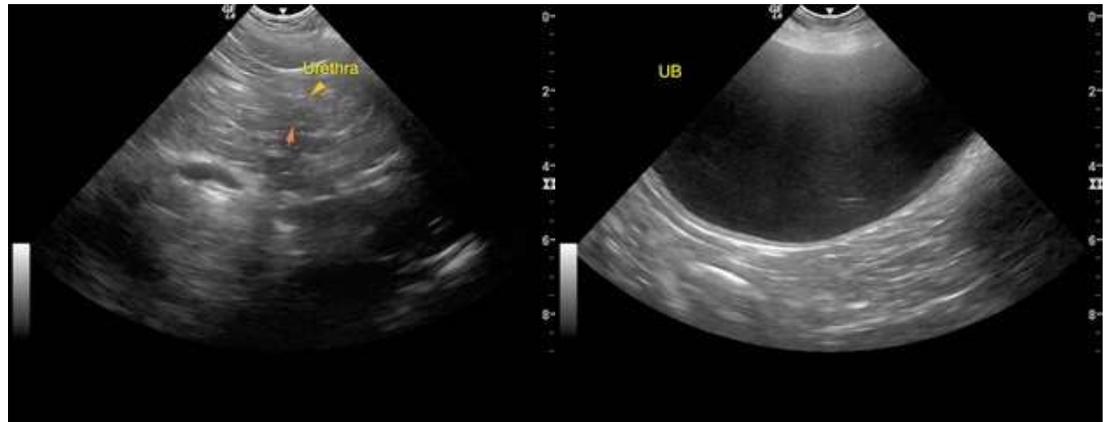
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)
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