



PATIENT

This submitted study contained 8 videos and 31 still images for review.

Choco Jun

SPECIES

PRESENTING CLINICAL SIGNS

Canine

Following Ultrasound. Previously done Dec 9/2021. Owner mentioned that dog can get long periods of time not eating and just ate when he is really starving. Today stools were soft and watery.

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Yorshire Terrier

Urinary System

SEX

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 echogenicity with distal acoustic shadowing was present in the dependent lumen, measuring 0.64 cm in diameter. No evidence of concurrent cystitis was noted. Anechoic urine was otherwise present.

Spayed Female

AGE

5 years

The area of the aortic trifurcation was free of pathology.

WEIGHT

7.8 lbs.

Normal size and margination were 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 moderate loss of corticomedullary symmetry and definition expected for the age of the patient. Previously noted static pelvic renolith, measuring 0.83 cm in diameter, was present. Mild pyelectasia was present in the left kidney. The left kidney measured 4.7 cm in length.

INTERPRETED BY

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

Compared to the previous study, the right kidney exhibited an improved appearance with marked loss of corticomedullary border demarcation, yet moderate hydronephrosis compared to the previously noted degree of hydronephrosis. No evidence of concurrent right ureter dilation was noted at this time. Anechoic content was present within the dilated right kidney pelvis and medulla. The right kidney measured 3.9 cm in length.

IMAGING PERFORMED BY

Dr. Paul Kim

Adrenal Glands

HOSPITAL NAME

Ridgefield Park AH

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.32 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.38 cm width.

REFERRING VET

Spleen

Dr. Paul Kim

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.

INVOICE

13032

DATE

1/11/22

Liver/ Gallbladder

The liver exhibited normal overall size, primarily uniform parenchyma exhibiting normal parenchyma echogenicity. A solitary, well-demarcated, uniform mildly hypoechoic intraparenchymal nodule was noted caudodorsal to the urinary bladder, measuring 2.7 cm x 2.0 cm. The gallbladder was non distended in size with mild, echogenic, nonmineralized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.



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Gastrointestinal

Choco Jun

The stomach presented mild wall thickening secondary to echogenic mild mucosa hypertrophy. Intact wall layering was maintained and distinct. Mild gastric distension was present with mild retained anechoic fluid present in the gastric lumen. The gastric body wall width measured 0.32 cm.

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. The jejunum wall width measured 0.29 cm.

BREED

Yorshire Terrier

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

SEX

Spayed Female

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

AGE

5 years

Free Abdomen

No overt evidence of intraabdominal lymphadenopathy or peritoneal free fluid.

WEIGHT

7.8 lbs.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Solitary cystic calculus
- Moderate persistent right kidney hydronephrosis - no overt evidence of concurrent right ureter dilation
- Nonspecific liver nodule
- Mild gallbladder debris (non-mucocele)
- Mild gastritis pattern with likely mild gastric stasis
- Sonographically unremarkable small bowel and colon - potential for mild to low-grade inflammatory bowel / colitis

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Given that a previous cystic calculus was not visualized in the urinary bladder, potential passage of a calculus that was obstructing the right ureter and resulting in right hydronephrosis is possible. Overall, the presentation of the right kidney appears to be improved with only moderate hydronephrosis present, yet the functionality of the right kidney is highly questionable.

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The previously suspected ill-defined mass or lymph node in the right cranial abdomen appears to be a nonspecific liver nodule. This may indicate focal area of hematopoiesis, nodular to regenerative hyperplasia, or similar, while the possibility of neoplasia, although thought less likely at this time, cannot be definitively excluded. Ultrasound-guided FNA of the nodule, assuming normal clotting status and using a 25-gauge needle) could be considered for screening cytology. Otherwise, sonographic monitoring for evidence of nodule progression would be a more conservative approach.



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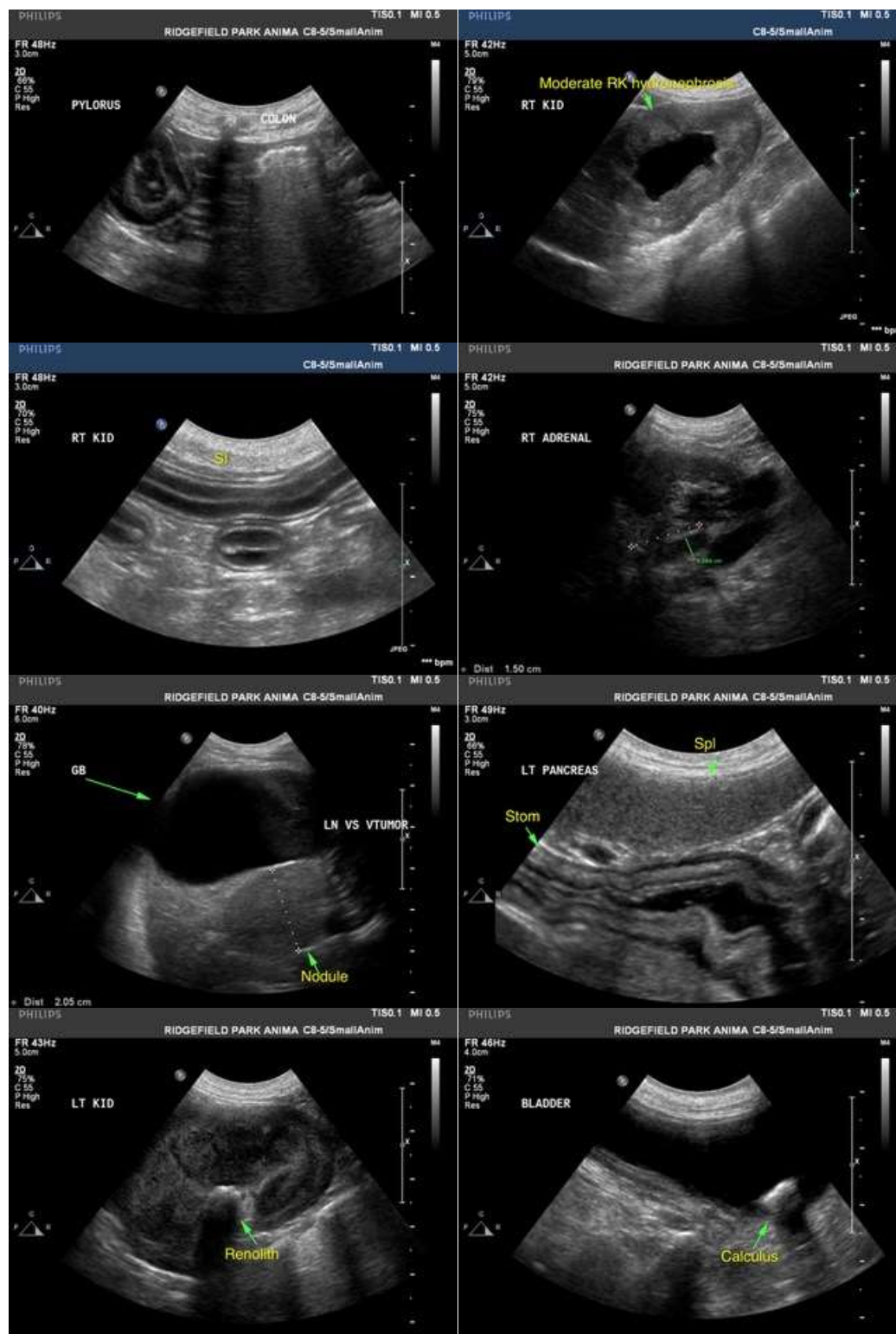
Dr. Paul Kim

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referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Yorshire Terrier

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

info@SonoPath.com

SEX

Spayed Female

AGE

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