



PATIENT

Brownie Marfifi

SPECIES

Canine

BREED

Chihuahua

SEX

Male

AGE

10 Years

WEIGHT

13.1 Pounds

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Paul Kim

HOSPITAL NAME

Ridgefield Park AH

REFERRING VET

Dr. Paul Kim

INVOICE

20928

DATE

2/2/23

PRESENTING CLINICAL SIGNS

History: Patient presented to hospital after 2 months of blood in urine, which went away but recently came back during exam Doctor noticed tumor in right testicle recommended abdominal ultrasound.

*The submitted study contained 11 videos and 28 still images for review.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.

The prostate was enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 4.2 cm x 2.1 cm. Anechoic, primarily small, thinly walled parenchyma cysts were present.

Normal size and margination were 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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Pinpoint to minor medullary mineral was present bilaterally. The left kidney measured 4.5 cm in length. The right kidney measured 4.1 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.60 cm width at the caudal pole and 0.49 cm width at the cranial pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.56 cm width at the caudal pole and 0.55 cm width at the cranial pole.

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.

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

The gallbladder was non distended in size with mild nondependent yet nonorganized debris. No evidence of gallbladder or peripheral gallbladder inflammation. The cystic duct and common bile ducts were normal without evidence of dilation.

Gastrointestinal



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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate, nonshadowing ingesta without signs of obstruction or foreign material.

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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

Chihuahua

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.

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Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

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Other

Both testicles were overtly normal in size. A nonspecific, nondisruptive, homogenous right testicle nodule was noted, measuring 1.4 cm in diameter.

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ULTRASONOGRAPHIC FINDINGS

- Sonographically normal urinary bladder
- Benign prostatic hyperplasia with small parenchymal cysts, potential for prostatitis
- Nonspecific right testicle nodule
- Mild chronic renal changes with minor medullary mineral
- Mild gallbladder debris (non-mucocele)

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of prostatic neoplastic criteria, which is considered unlikely. Prostatic sampling is required for further clarification. Urine culture and sensitivity on sterile urine sample is suggested to rule out underlying UTI. Neutering with submission of right testicle for histopathology and sonographic monitoring of prostatic involution +/- empirical therapy for prostatitis is recommended.

Hepatosupportive medications, including Denamarin and Ursodiol are suggested if evidence of hepatic enzyme elevations or cholestasis.

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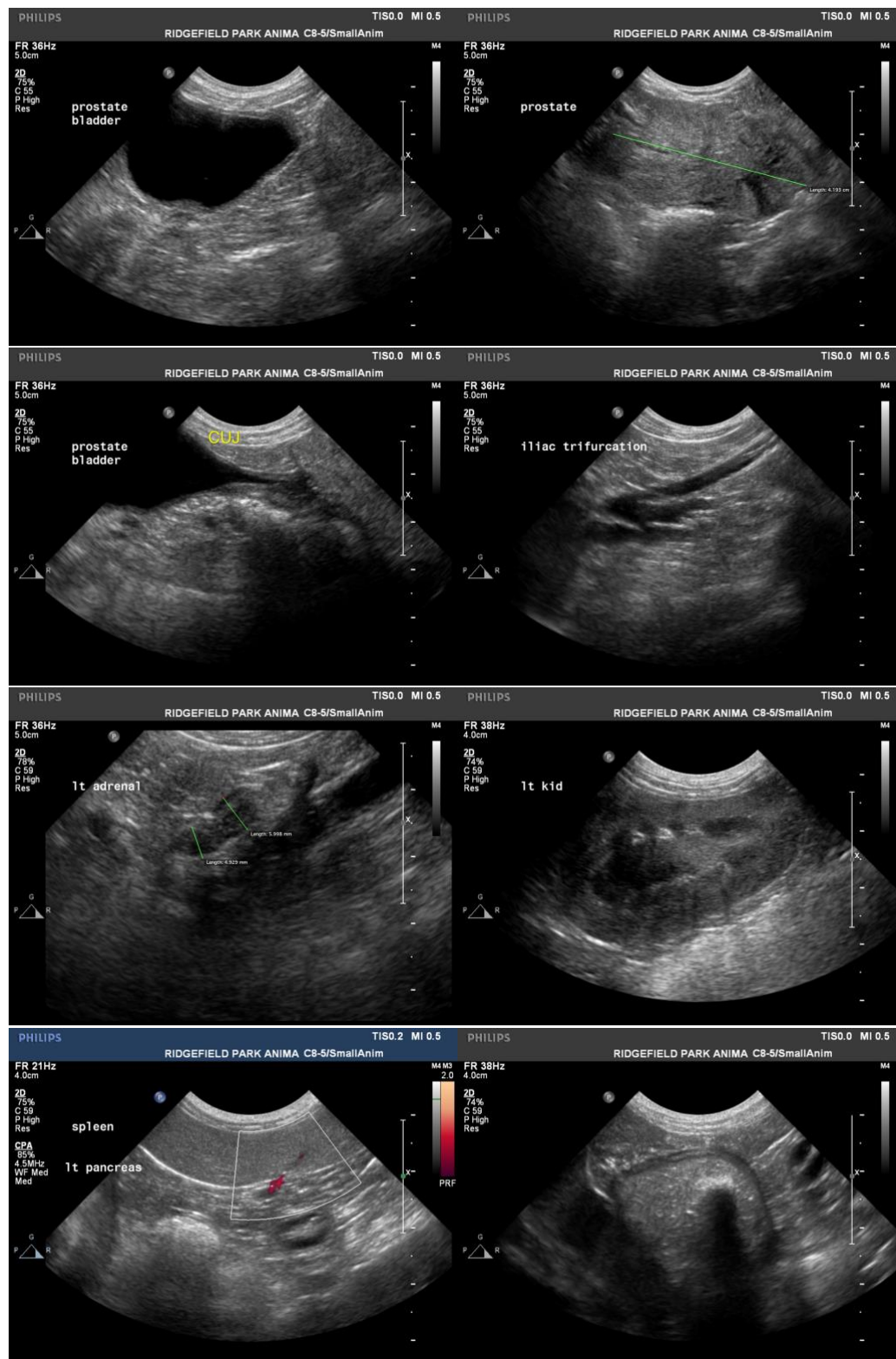
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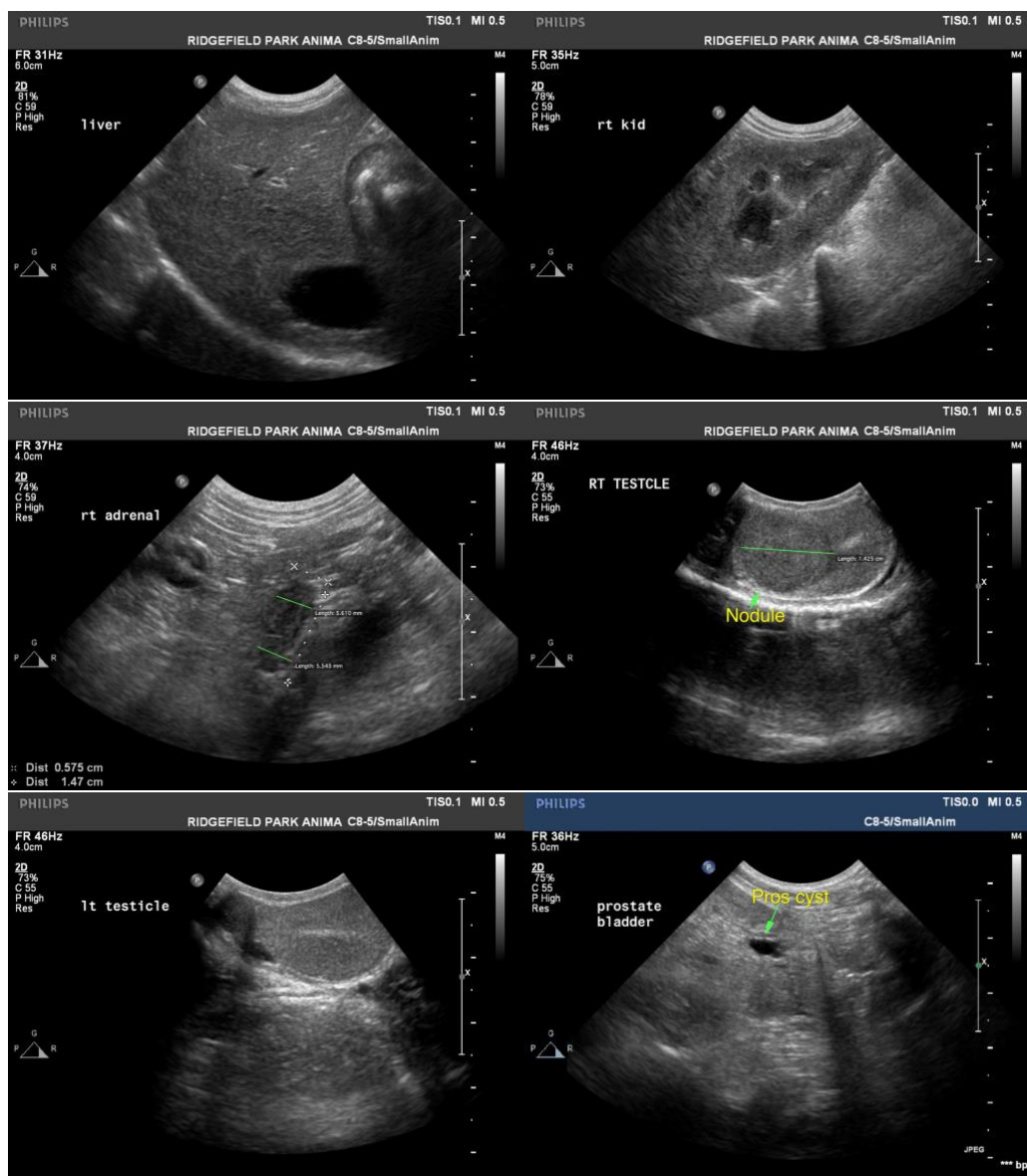
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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