

PATIENT PRESENTING CLINICAL SIGNS

River Dauteuil Needs dental procedure; elevated ALT (481) noted on bloodwork. No clinical signs. Sedated with torb/dex

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

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 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

Australian Shepherd

SEX

Intact Male

The prostate was mildly 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 4.5 cm x 2.2 cm. Anechoic, thinly walled parenchyma cysts were present.

AGE

10 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 loss of corticomedullary symmetry and definition expected for the age of the patient. Mild pyelectasia noted in both kidneys without evidence of left or right ureter dilation. The left kidney measured 6.5 cm. The right kidney measured 6.4 cm.

WEIGHT

22.8 kg

Adrenal Glands

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.38 cm at the cranial pole and 0.57 cm at the caudal pole. The right adrenal gland measured 0.51 cm at the cranial pole and 0.58 cm at the caudal pole.

INTERPRETED BY

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

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.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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 moderate non-dependent, non-organized, mobile debris. The cystic duct and common bile ducts were normal without evidence of dilation.

HOSPITAL NAME

Wingall AH

REFERRING VET

Dr. Kate Thomas

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.

INVOICE

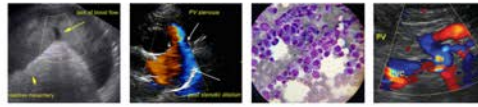
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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

DATE

9/9/21

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



PATIENT *Pancreas*

River Dauteuil 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.

SPECIES *Free Abdomen*

Canine Intermittent, mildly prominent to enlarged mesenteric and medial iliac lymph nodes were present. The lymph node was essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). Example of mesenteric lymph node measured 0.45 cm diameter. These lymph nodes are not consistent with inflammatory or neoplastic criteria and likely incidental.

BREED

Australian Shepherd

SEX **ULTRASONOGRAPHIC FINDINGS**

Intact Male

- Benign hepatopathy
- Moderate gallbladder debris - non-mucocele
- Age related kidneys with minor pyelectasia
- Benign prostatic hyperplasia with parenchymal cysts, minor potential for prostatitis although thought unlikely

AGE

10 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

22.8 kg

The pyelectasia may be owing to chronic renal changes, potential pelvic scarring possibly owing to previous calculi passage, IV fluid therapy (if applicable). Urine C/S and protein: creatinine ratio on sterile urine sample is recommended.

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 DABVP (Canine and Feline)

Although not definitive, primary consideration for relatively low-grade inflammatory hepatic parenchymal or hepatobiliary process, given the ALT elevation and presence of concurrent gallbladder debris. Some degree of non-clinical cholestasis also possible. No overt evidence of hepatic neoplasia. Leptospirosis titers/PCR may be considered if clinically indicated. Hepatic sampling would be required for definitive diagnosis, yet hepatic functionality is likely normal assuming normal albumin, glucose, BUN and cholesterol levels. Hepatosupportive medications including Ursodiol suggested.

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PATIENT

River Dauteuil

SPECIES

Canine

BREED

Australian Shepherd

SEX

Intact Male

AGE

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WEIGHT

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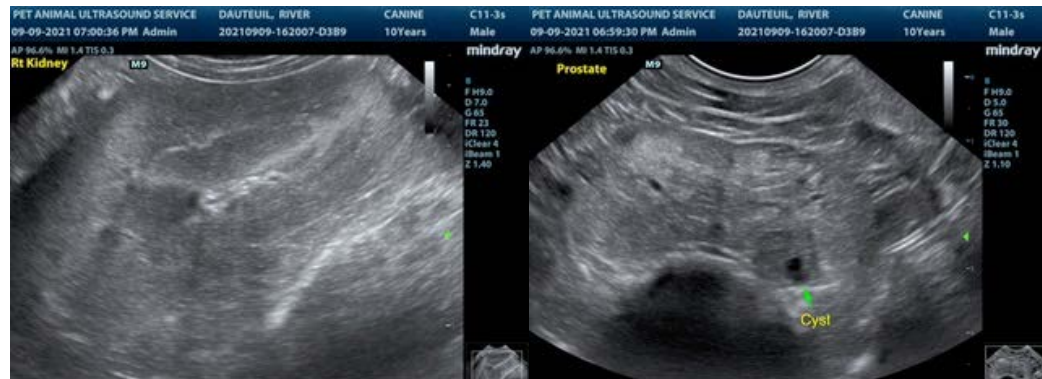
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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