



**PATIENT**

Bruiser Fickes

**SPECIES**

Canine

**BREED**

Rottweiler

**SEX**

M/I

**AGE**

7 years

**WEIGHT**

48 kg.

**PRESENTING CLINICAL SIGNS**

Dec 21 presented to rDVM for hematuria. Was given 14 day course of amoxiclav without resolution of clinical signs. Normal appetite, water intake and stools.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder was mildly distended in size with normal tone and mild uniform thickened ventral to ventroapical urinary bladder wall. The ventral urinary bladder wall width measured 0.77 cm. Anechoic urine was present with mild particulate to hyperechoic nondependent sediment along with solitary dependent calculus measuring 2.5 cm in diameter. The urethra exhibited normal structure and tone to a depth of 3.0 cm.

The prostate was enlarged in size with an 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 6.6 cm diameter. Multiple small intraparenchymal cysts were present. No evidence of periprostatic inflammation was noted.

The area of the aortic trifurcation was free of pathology.

**INTERPRETED BY**

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

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation or pyelectasia. The left kidney measured 8.0 cm in length. The right kidney measured 7.8 cm in length.

**IMAGING PERFORMED BY**

**Adrenal Glands**

Dr. Sarah Barthelemy

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.40 cm width at the caudal pole and 0.44 cm width at the cranial pole. No overt pathology was noted in the area of the right adrenal gland.

**HOSPITAL NAME**

Alpine 24 hour Pet  
Hospital

**Spleen**

**REFERRING VET**

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The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present. Discrete hyperechoic splenic nodules consistent with probable emerging benign myelolipomas were present. 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.

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**Liver/ Gallbladder**

**DATE**

4/5/23

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. Normal hepatic vascular volume was noted.



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

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**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.

**BREED**

Rottweiler

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.

**SEX**

M/I

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

**AGE**

7 years

**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 were evident.

**WEIGHT**

48 kg.

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

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**ULTRASONOGRAPHIC FINDINGS**

- Cystic calculus with ventral / ventroapical cystitis pattern
- Benign prostatic hyperplasia with small intraparenchymal cysts, minor potential for prostatitis
- Normal bilateral kidneys
- Normal volume liver
- Suspect emerging benign splenic myelolipomas

**IMAGING PERFORMED BY**

Dr. Sarah Barthelemy

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**HOSPITAL NAME**

Alpine 24 hour Pet Hospital

Cystotomy with calculus analysis +/- thickened urinary bladder wall biopsy for histopathology, as well as tissue C/S with concurrent urine C/S is recommended. Neutering is suggested at the time of cystotomy.

**REFERRING VET**

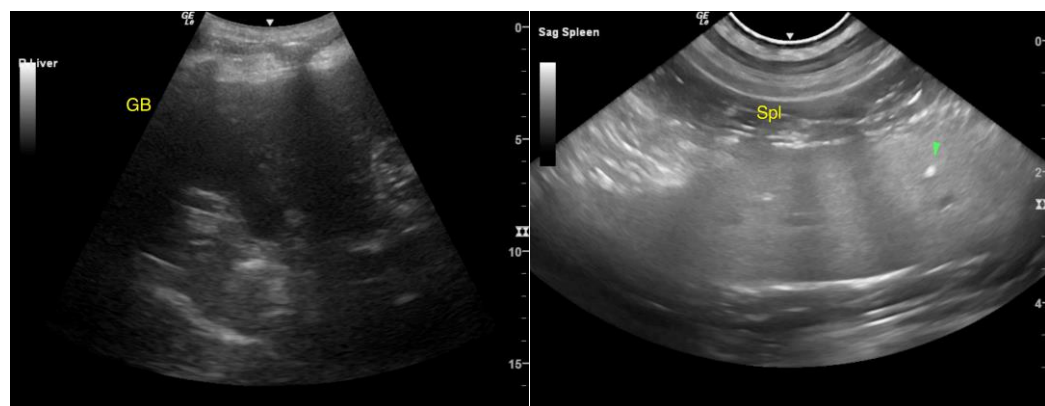
Alpine 24 hour Pet Hospital

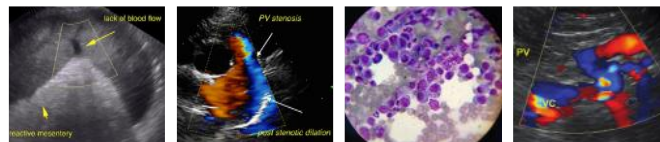
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**HOSPITAL NAME**

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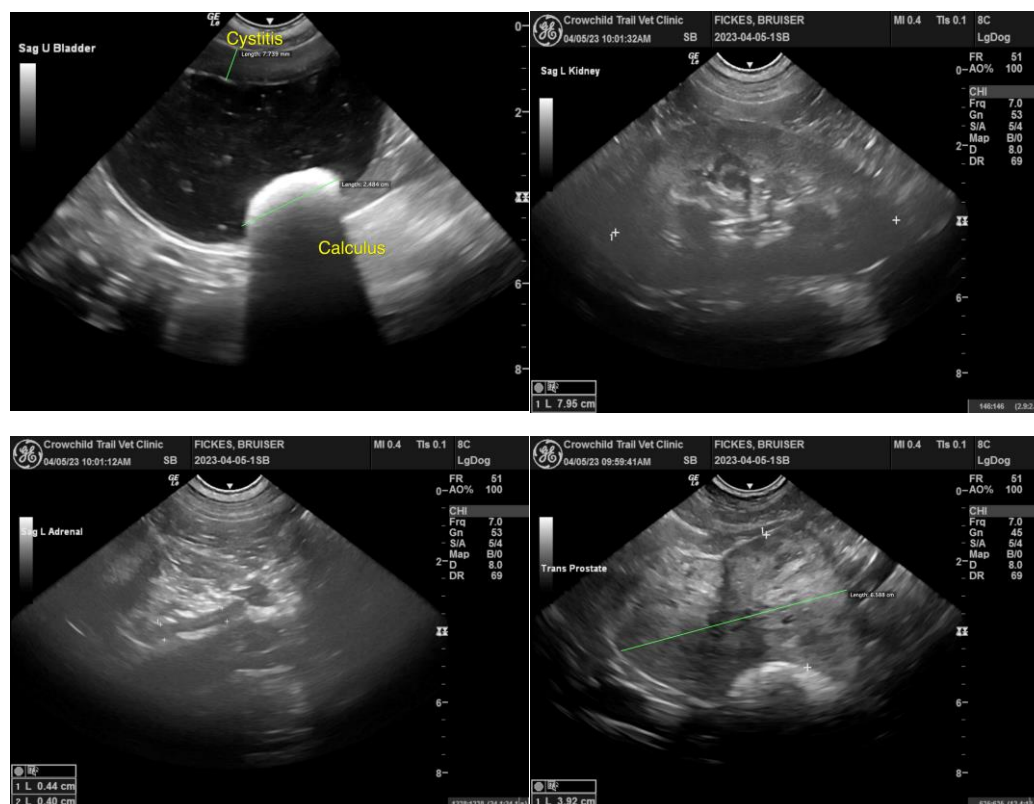
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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