



**PATIENT PRESENTING CLINICAL SIGNS**

Zach Conrad History: Splenic mass Gabapentin

Abnormal PE/Chem/CBC/UA Results:

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 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.

Cavalier King Charles  
Mix

**SEX**

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 loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. Intermittent small cortical cysts were noted in the left kidney. The left kidney measured 4.5 cm in length. The right kidney measured 4.6 cm in length.

MN

**AGE**

2012

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate was free of pathology measuring 0.6 cm in diameter.

**WEIGHT**

17

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm width at the caudal pole and 2.0 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.68 cm width at the caudal pole and 1.9 cm length.

**INTERPRETED BY**

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

**Spleen**

A moderately sized to expansive spherical mass involving the spleen with secondary capsule expansion and disruption was present and measured 6.5 cm in diameter. The parenchyma of the mass was nonhomogeneous to mixed echogenicity without areas of cavitation. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. No evidence of splenic mass rupture with secondary peritoneal free fluid or hemoabdomen.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**HOSPITAL NAME**

Annville Cleona VA

**Liver**

The liver presented mildly enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. No overt hepatic masses or nodules noted. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and mild congealed yet nonorganized debris. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Keck

**INVOICE**

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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.

**DATE**

06/10/2022



**PATIENT**

Zach Conrad

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.

**SPECIES**

Canine

**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 was evident.

**BREED**

Cavalier King Charles  
Mix

**Free Abdomen**

No overt lymphadenopathy or peritoneal effusion was present.

**SEX**

MN

**Other**

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

**AGE**

2012

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

17

- Nonhomogeneous to mixed echogenic splenic mass
- Mild vacuolar hepatopathy pattern
- Mild congealed gallbladder debris-non mucocele
- Age related chronic renal changes

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The splenic mass is nonspecific with considerations including hyperplasia, hematopoiesis, granuloma, splenitis, or neoplasia (sarcoma, round cell neoplasia, other). Given that the mass was first noted approximately 6 months ago without evidence of splenic mass rupture, a benign process is possible although neoplasia cannot be definitively excluded. No overt evidence of peri splenic or intra-abdominal or cardiac metastasis. Assuming no evidence of thoracic pathology on three view chest radiographs and recheck full CBC Chem UA, splenectomy with gross inspection of the liver and peri splenic omentum is warranted.

**INTERPRETED BY**

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DVM, DABVP  
(Canine and Feline)

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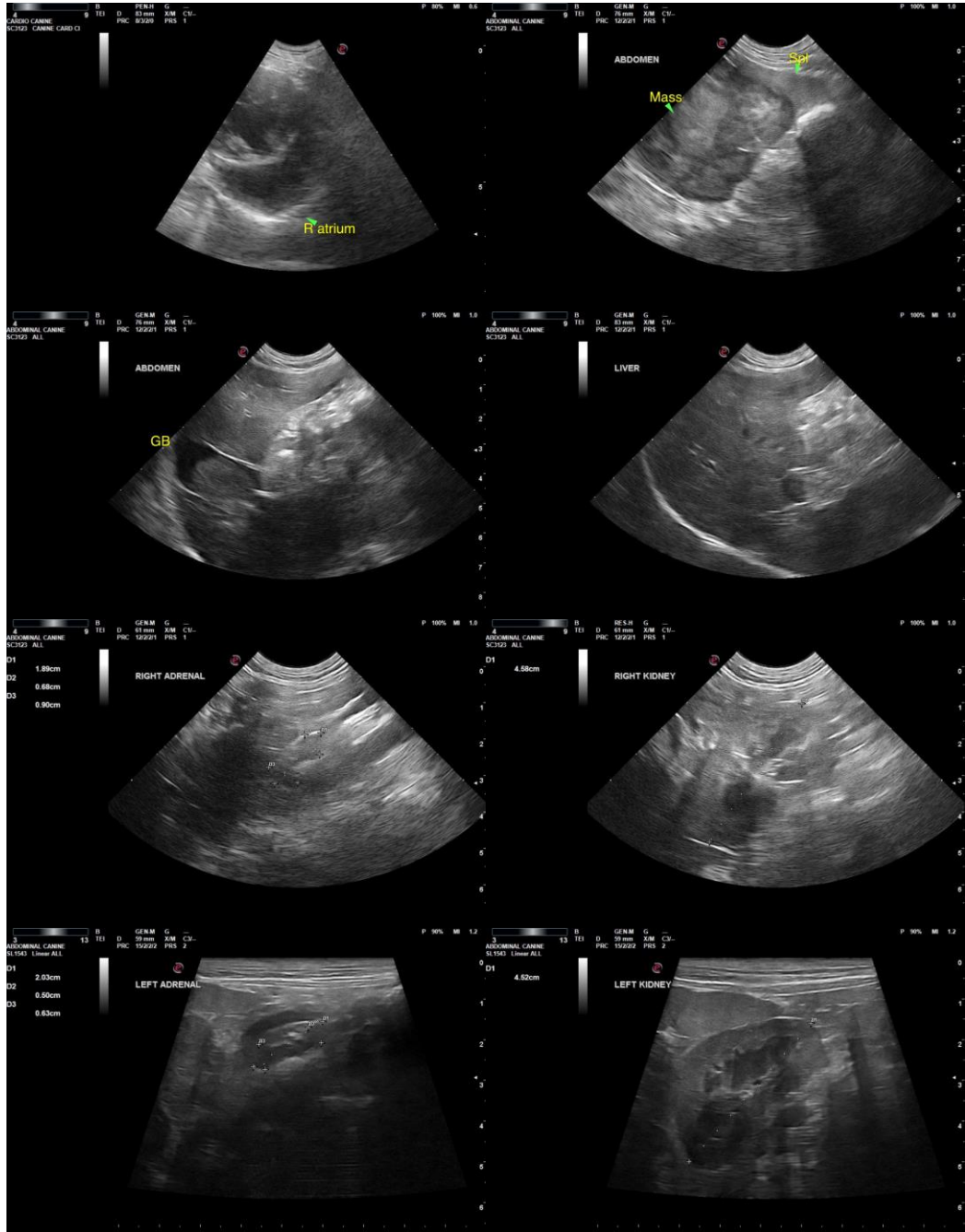
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)  
[mac.daniel@sonopath.com](mailto:mac.daniel@sonopath.com)



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