



**PATIENT PRESENTING CLINICAL SIGNS**

Zeno Zarate Distended abdomen for several weeks, history of arthritis - proprioceptive deficits rear legs.  
Medication: Galliprant, gabapentin

**SPECIES**  
ALP 422, HCT 45.8, WBC 10.3

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED** *Urinary System*

Lab Mix The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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 was noted.

**SEX**  
MN The residual prostate was free of pathology.

**AGE** The area of the aortic trifurcation was free of pathology.

2010 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. The left kidney measured 6.4 cm in length. The right kidney measured 6.4 cm in length.

**WEIGHT**

95

**Adrenal Glands**

**INTERPRETED BY**

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

The left adrenal gland was normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 3.1 cm length x 0.81 cm width at the caudal pole. The right adrenal gland exhibited a subjective flattened appearance with normal contour and homogeneous parenchyma measuring 4.1 cm length x 0.42 cm width at the caudal pole.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**Spleen**

A moderately sized, nonhomogeneous, hyperechoic splenic mass measuring approximately 8.0-9.0 cm in diameter was present in the subjective mid to cranial spleen. No evidence of mass cavitation or capsular escape. The remainder of the spleen was sonographically unremarkable.

**HOSPITAL NAME**

Brodheads ville VC

**Liver/ Gallbladder**

**REFERRING VET**

Dr. Goldstein

The liver normal to potential borderline generalized enlargement. 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. The hepatic and portal vasculature were normal in appearance without signs of congestion. No evidence of hepatic masses or nodules was noted.

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

**DATE**

6/30/23



**PATIENT** *Gastrointestinal*

Zeno Zarate 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.

**SPECIES** 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.

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

**BREED** *Pancreas*

Lab Mix 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.

**SEX** *Free Abdomen*

MN No omental masses, lymphadenopathy, or evidence of peritoneal effusion / hemoabdomen were noted.

**AGE** 2010 Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

**WEIGHT** **ULTRASONOGRAPHIC FINDINGS**

- 95 • Nonhomogeneous, hyperechoic splenic mass
- Unremarkable liver - consistent with benign hepatopathy
- Mild age-related renal changes

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The splenic mass was nonspecific with benign etiology, i.e., hyperplasia, hematopoiesis, large myelolipoma, or similar, suspected. Potential for splenic mass neoplastic criteria such as sarcoma, round cell neoplasia, or other are also possible and cannot be definitively excluded. No overt evidence of intrabdominal or cardiac metastasis was noted.

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ARDMS/RVT

**HOSPITAL NAME**

BrodheadsVille VC

Assuming no evidence of pathology on three-view chest radiographs, splenectomy with splenic histopathology is warranted. Sonographic monitoring of the splenic mass for evidence of progression would be a more conservative approach, yet potentially future splenic mass rupture is of concern, and splenectomy is recommended.

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**PATIENT**

Zeno Zarate

**SPECIES**

Canine

**BREED**

Lab Mix

**SEX**

MN

**AGE**

2010

**WEIGHT**

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**REFERRING VET**

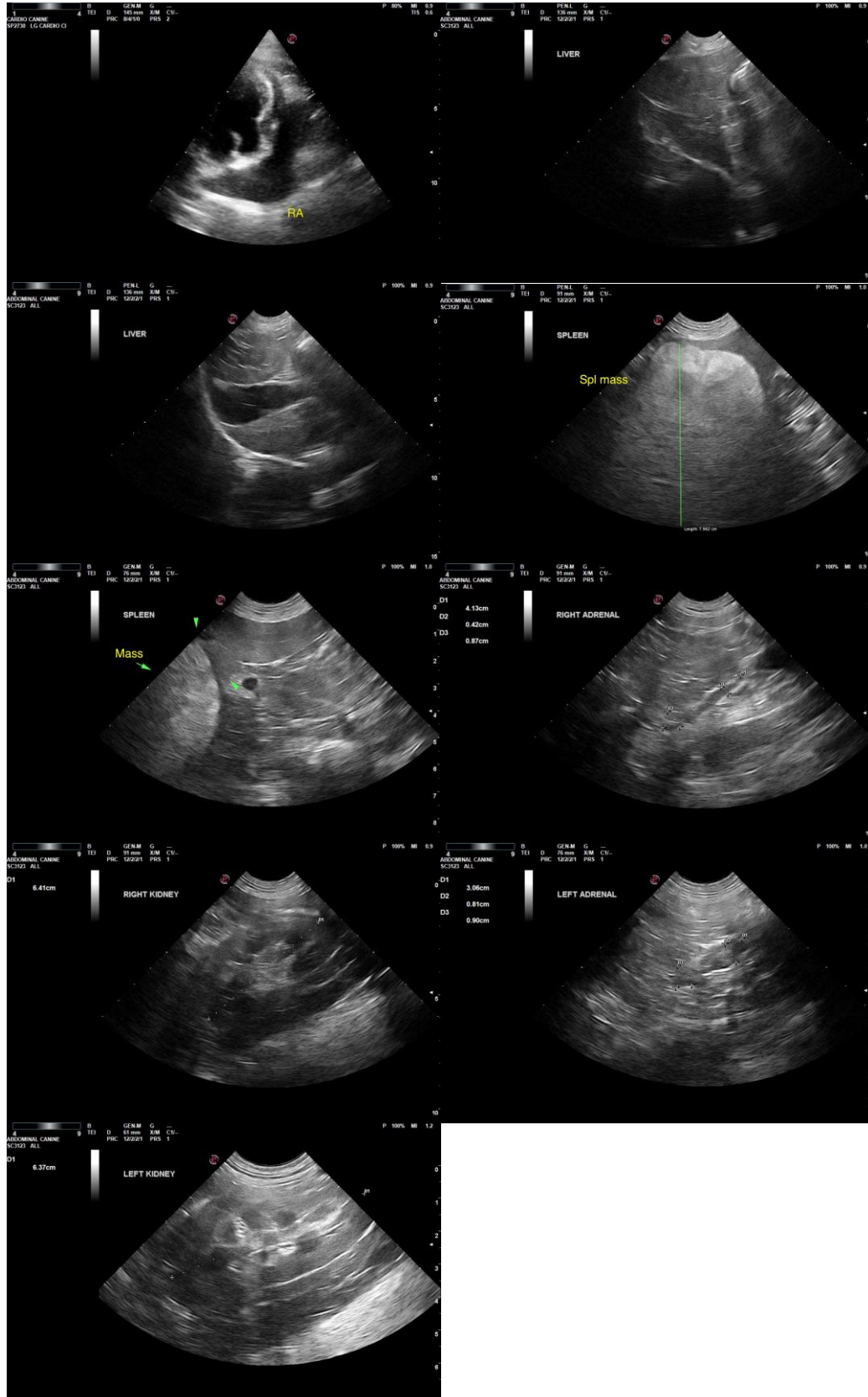
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**PATIENT**

Zeno Zarate

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.

**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**

Lab Mix

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**SEX**

MN

**AGE**

2010

**WEIGHT**

95

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