



**PATIENT PRESENTING CLINICAL SIGNS**

Dino Greusel Intermittent appetite, arthritis.

Medication: Dasuquin Advanced, KCitrate, VitE

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

**BREED**

Pitbull

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 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.

**SEX**

MN

**AGE**

2009

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 5.3 cm in length. The right kidney measured 5.5 cm in length.

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate appeared normal and free of pathology.

**WEIGHT**

60

The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy.

**Adrenal Glands**

**INTERPRETED BY**

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.55 cm width at the caudal pole and 0.55 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 0.50 cm width at the caudal pole and 0.60 cm width at the cranial pole.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**Spleen**

Variably expansive non-homogenous to irregular splenic masses were present, an example measured 5-6 cm in diameter. The masses resulted in distortion of the associated regional splenic capsule. The remainder of the spleen exhibited symmetrical capsule contour with generalized splenic parenchyma heterogeneity. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.

**HOSPITAL NAME**

Conrad Weiser AH

**Liver/Gallbladder**

**REFERRING VET**

Dr. Comalli

The liver presented enlarged in size exhibiting mild to moderate non-uniform to remodeled parenchyma. 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. The gallbladder was non-distended in size with primarily anechoic luminal content and minor echogenic non-organized debris. The cystic and common bile ducts were normal.

**INVOICE**

12900ag

**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**

02/06/2023



**PATIENT**

Dino Greusel

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**

Pitbull

**Free Abdomen**

Mild perisplenic hyperechoic omentum was present, no overt peritoneal or perisplenic free fluid or lymphadenopathy.

**SEX**

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

**MN**

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

2009

- Splenic masses
- Mild non-uniform to remodeled hepatic parenchyma
- Minor gallbladder debris (non-mucocele)
- Bilateral mild chronic renal changes
- Overtly normal GI tract

**WEIGHT**

60

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

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

The splenic masses are strongly concerning for neoplastic criteria such as sarcoma, round cell neoplasia or other. Benign pathology possible yet considered less likely. The remodeled hepatic parenchyma is suggestive of benign, or age related parenchymal changes however the possibility of early hepatic metastasis cannot be definitively excluded. No evidence of cardiac or perisplenic omental neoplastic criteria. Laparotomy with splenectomy, gross inspection of the liver +/- hepatic biopsies could be considered. Empirically as needed GI support would be appropriate. A guarded prognosis pending splenic histopathology is indicated.

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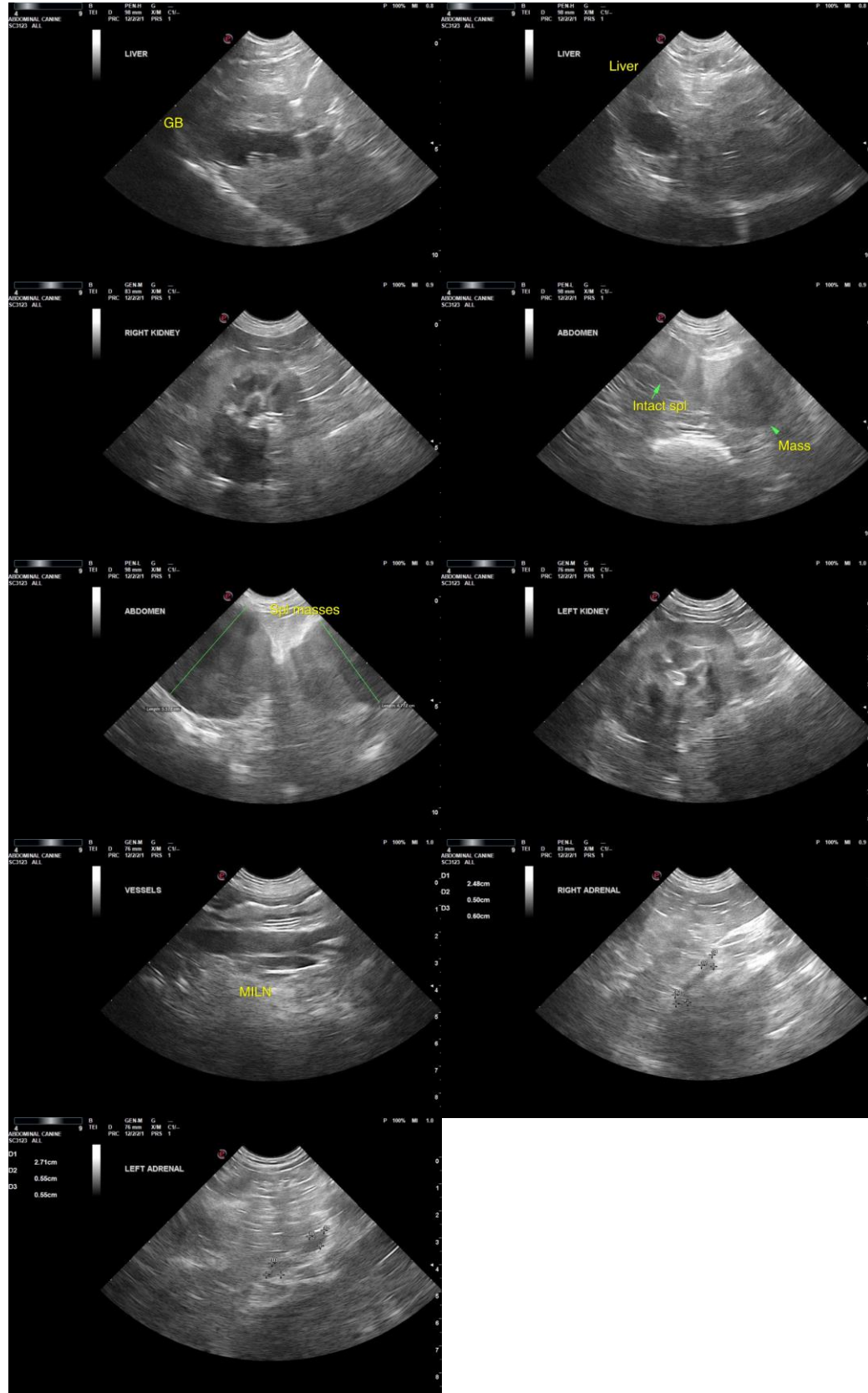
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The information and recommendations provided are based on the images presented by the referring



**PATIENT**

Dino Greusel

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.

**SPECIES**

Canine

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