



**PATIENT**

Gracie Lawless

**PRESENTING CLINICAL SIGNS**

-Intermittent vomiting, decreased appetite Cerenia, Entyce, metronidazole

Unremarkable CBC, 4DX-Negative, Chemistry panel - Potassium 3.1, otherwise unremarkable

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Italian Greyhound

**Urinary System**

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**

FS

No evidence of medial Iliac or sublumbar lymphadenopathy/masses was noted in the area of the iliac trifurcation or dorsal to the urinary bladder.

**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. Pinpoint medullary mineral was noted in both kidneys. The left kidney measured 4.0 cm in length. The right kidney measured 4.4 cm in length.

**WEIGHT**

16.4

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.7 cm length x 0.57 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.8 cm length x 0.40 cm width at the caudal pole.

**INTERPRETED BY**

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

**Spleen**

The spleen exhibited potential for mild enlargement with areas of capsule asymmetry. Nonhomogeneous mildly hypoechoic splenic parenchyma was present with no masses or nodules noted. Normal subjective splenic vascularity was present.

**IMAGING PERFORMED BY**  
Rebekah Jakum, CVT  
ARDMS/RVT

**HOSPITAL NAME**

White Haven VH

**Liver/ Gallbladder**

The liver exhibited borderline to possible mild enlargement with symmetrical to mildly rounded hepatic contour. Decreased hepatic parenchyma echogenicity compared to the falciform fat with mild increased prominence of the portal vascular borders were present. No masses or nodules were noted.

**REFERRING VET**

Dr. Dengler

The gallbladder was mildly distended in size with sonographically normal gallbladder walls containing primarily anechoic content with mild to moderate, mildly hyperechoic luminal debris. The cystic and common bile ducts were normal.

**INVOICE**

14856

**Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was primarily empty with mild to moderate luminal gas. The gastric body wall width measured 0.35 cm.

**DATE**

9/13/22



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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. The small intestinal wall width measured 0.26 cm.

**SPECIES**

Canine

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

**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.

**BREED**

Italian Greyhound

**Free Abdomen**

**SEX**

FS

No overt lymphadenopathy or peritoneal effusion was present.

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

2009

- Nonhomogeneous to subjective hypoechoic spleen
- Mild hypoechoic liver
- Mild to moderate gallbladder debris (non-mucocele)
- Sonographically unremarkable gastrointestinal tract
- Mild age-related renal changes with pinpoint medullary mineral

**WEIGHT**

16.4

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

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

Overall, largely geriatric abdomen without evidence of overt visceral specifically gastrointestinal pathology. The hepatic splenic changes are nonspecific and may indicate benign or age-related hepatosplenic changes. Screening hepatosplenic FNA cytology using a 25-gauge needle and assuming normal clotting status could be considered primarily to ensure only benign changes are present, given the hepatosplenic presentation.

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Rebekah Jakum, CVT  
ARDMS/RVT

Although considered unlikely, resting cortisol level to rule out occult Addison's Disease +/- GI panel to assess for occult pancreatic or small intestinal disease as a contributing factor, could be considered. Pending additional diagnostics, as-needed GI support and correlation with an echocardiogram are recommended.

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**REFERRING VET**

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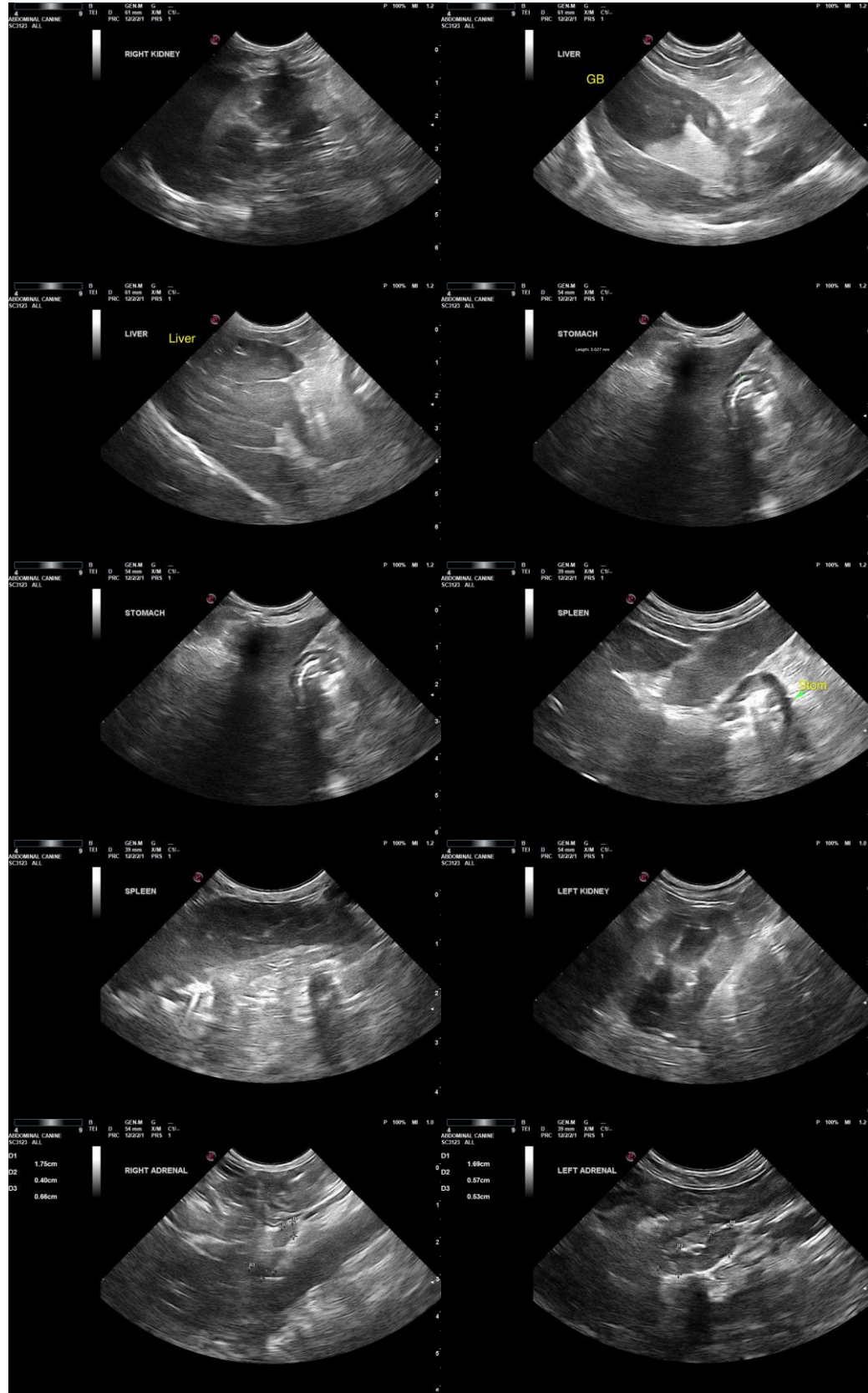
Dr. Dengler

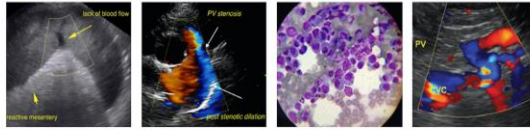
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**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

**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**

Italian Greyhound

**R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)**

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