

**PATIENT PRESENTING CLINICAL SIGNS**

Molly Burns History: Declining appetite, intermittent panting, PD, stable weight, no vomiting, hiatal hernia  
Medication: Gabapentin, Cerenia, Carafate, Omeprazole

**SPECIES**

Canine

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED *Urinary System***

Australian Shepherd The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4.0 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 The area of the aortic trifurcation was free of pathology.

**AGE**

13 years 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 6.3 cm in length. The right kidney measured 7.5 cm in length.

**WEIGHT**

41 Pounds

***Adrenal Glands***

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 2.8 cm length x 0.67 cm width in the caudal pole. The right adrenal gland measured 2.4 cm length x 0.57 cm width in the caudal pole.

**INTERPRETED BY**

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

***Spleen***

The spleen exhibited primarily finely textured parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Mild generalized parenchyma heterogeneity was present without evidence of nodular changes. 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.

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT ARDMS/RVT

**HOSPITAL NAME**

Alburtis AH

***Liver/ Gallbladder***

The liver exhibited potential for mild 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. The gallbladder was non distended in size with minor, echogenic, nondependent, nonorganized biliary sludge. The cystic duct and common bile ducts were normal without evidence of dilation.

**REFERRING VET**

Dr. Borelli

**INVOICE**

12117

**DATE**

8.11.2021



**PATIENT**

***Gastrointestinal***

Molly Burns

The stomach presented intact wall layering with a normal wall layer ratio with moderate luminal gas. Minor subjective retained echogenic nonshadowing ingesta was present in the pylorus lumen. No evidence of mechanical pyloric outflow obstruction was noted. The pylorus wall width measured 0.37 cm.

**SPECIES**

Canine

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 duodenum wall width measured 0.46 cm. The jejunum wall width measured 0.39 cm.

**BREED**

Australian Shepherd

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

**SEX**

FS

***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.

**AGE**

13 years

***Free Abdomen***

No evidence of intraabdominal masses, lymphadenopathy, or peritoneal effusion was present. The omentum was of uniform echogenicity.

**WEIGHT**

41 Pounds

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

- Mild age-related kidneys
- Moderate gastric gas with mild retained pyloric ingesta
- Sonographically unremarkable small bowel
- Minor gallbladder debris (non-mucocele)

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Largely mild geriatric abdomen without evidence of significant visceral pathology. The presence of gastric gas and minor retained pyloric ingesta is nonspecific and may correlate with recent meal ingestion. Some degree of potential gastric hypomotility or stasis may be possible if documented NPO prior to the ultrasound and in light of the patient's clinical signs.

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The gallbladder debris may be secondary to fasting or indicate nonclinical cholestasis.

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Continued gastroprotectant protocol would be appropriate given the potential for minor gastric irritation or inflammation and / or mild esophagitis, given the possibility of sliding hiatal hernia. Although considered unlikely, resting cortisol level may be considered given the patient's vague clinical signs to rule out the unlikely potential for occult Addison's Disease. Prokinetic agents such as Metoclopramide may prove beneficial if evidence of gastric hypomotility and without evidence of gastrointestinal obstruction.

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Molly Burns

**SPECIES**

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**BREED**

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**SEX**

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**AGE**

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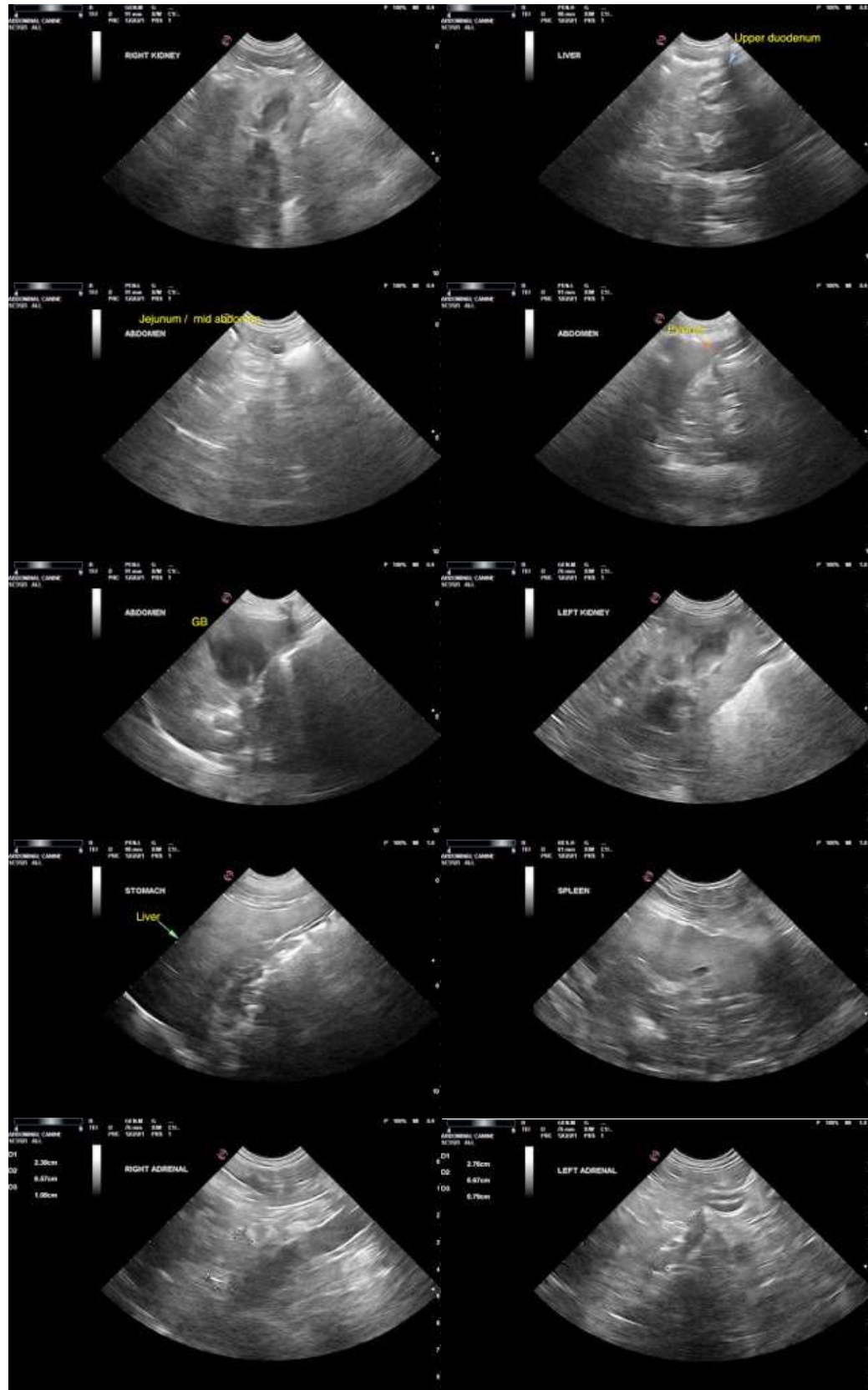
Dr. Borelli

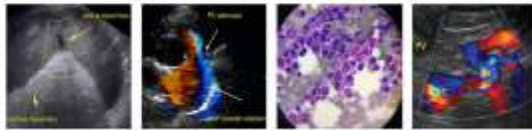
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**PATIENT**

Molly Burns

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

Australian Shepherd

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**SEX**

FS

**AGE**

13 years

**WEIGHT**

41 Pounds

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