



**PATIENT**

Lucy Gouldsbrough

**SPECIES**

Canine

**BREED**

Kelpie X

**SEX**

Spayed Female

**AGE**

13 Years

**WEIGHT**

50.8 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Dr. Saum Hadi

**HOSPITAL NAME**

Bethany Family PC

**REFERRING VET**

Dr. Saum Hadi

**INVOICE**

39610

**DATE**

7/16/22

**PRESENTING CLINICAL SIGNS**

P presents with a 4-5 day history of watery, profuse diarrhea. Good appetite and energy level. P has a history of a hepatopathy and hepatic cystic lesion (see attached ultrasound from 2021).  
Abnormal PE/Chem/CBC/UA Results: July 2021: ALT: 154 U/L, ALKP: 1069 U/L, Amylase: 1332 U/L, Lipase: 1239 U/L

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The kidneys measured 6.0 cm each.

**Adrenal Glands**

The **adrenal glands** were not visualized.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

**Liver**

The **liver** revealed a large anechoic cyst measuring 6.0 cm in the left cranial liver. Heterogeneous changes noted with increased portal markings. The gallbladder and common bile duct were unremarkable.

**Gastrointestinal**

A minor amount of non-shadowing, non-obstructive ingesta was noted in the **stomach**. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.



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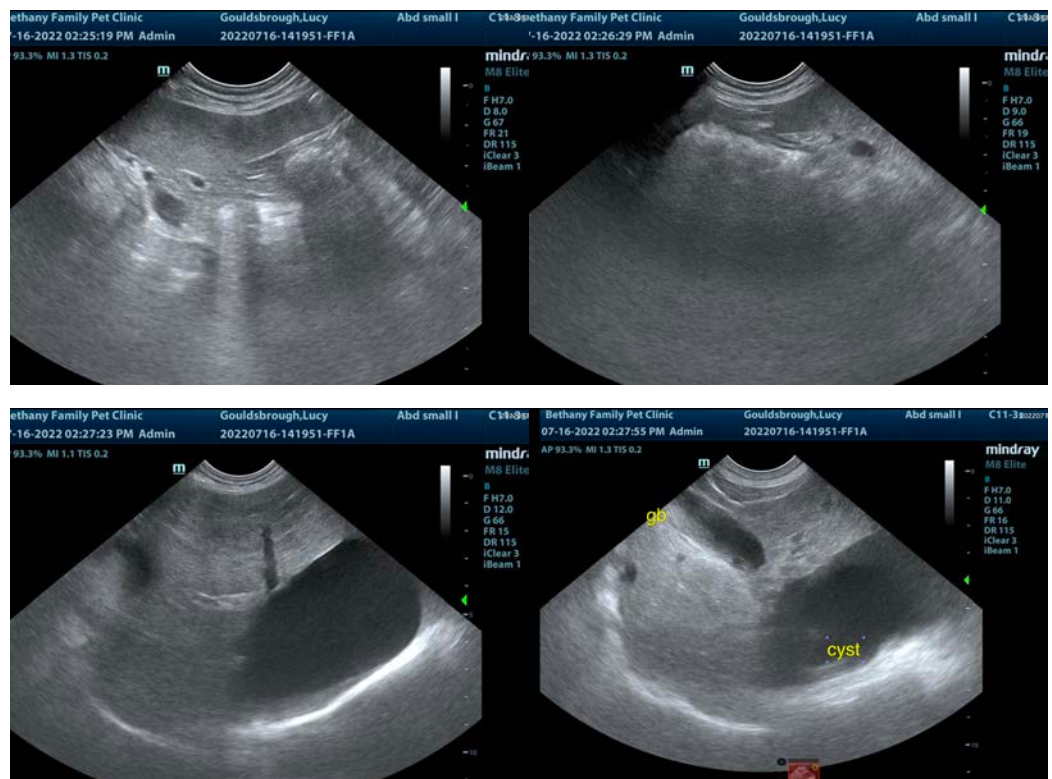
7/16/22

**ULTRASONOGRAPHIC FINDINGS**

- Benign hepatopathy with subjectively benign cyst
- Age related renal changes
- Structurally unremarkable GI tract with full stomach

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The cause of diarrhea is unclear in this patient. Dietary intolerance, dietary indiscretion, occult Addison's, parasitic disease all possible. Baseline cortisol warranted to rule out the mild potential for Addison's.



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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**

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