



**PATIENT PRESENTING CLINICAL SIGNS**

Julie Badellino Chronic cystitis for ~10 years, hematuria, stranguria, mild weight loss, mild isothermia Clavamox

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Feline **Urinary System**

**BREED** 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 overt evidence of urinary bladder inflammatory or neoplastic criteria was noted.

DSH

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

FS Normal margination was 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 3.6 cm in length. The right kidney was mildly subnormal in size compared to the left measuring 2.9 cm in length.

**AGE**

2007

**WEIGHT Adrenal Glands**

8.5 The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.29 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.30 cm width.

**INTERPRETED BY**

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

**Spleen**

The spleen was normal in size and maintained a finely textured homogeneous parenchyma. Minor areas of asymmetrical medial capsule contour were noted. No evidence of inflammatory or neoplastic criteria was present. The spleen measured 0.68 cm width.

**IMAGING**

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

**Liver/ Gallbladder**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. A solitary nondisruptive nonhomogeneous to mildly cystic nodule was present in the mid liver parenchyma measuring 0.95 cm in diameter. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**HOSPITAL NAME**

Lehigh Valley AH  
 (Allen)

**REFERRING VET**

Dr. Hersh

**Gastrointestinal**

**INVOICE**

14062

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. The gastric body wall width measured 0.25 cm.

**DATE**

6/9/22



**PATIENT**

Julie Badellino

The small intestine presented intact yet segmental mildly prominent wall layering with no evidence of loss of small Intestinal wall layering or small intestinal masses. The duodenum wall width measured 0.28 cm. The jejunum wall width measured 0.26 cm. The ileocolic wall width measured 0.34 cm.

**SPECIES**

Feline

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

**Pancreas**

The pancreas was normal in size with minor asymmetrical contour along with mild hypoechoic parenchyma compared to adjacent omentum. Pancreatic duct dilation was present, measuring 0.32 cm.

**BREED**

DSH

**Free Abdomen**

**SEX**

No omental masses, lymphadenopathy or peritoneal free fluid were present.

FS

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

2007

- Sonographically unremarkable urinary bladder
- Bilateral chronic renal changes
- Focal nonspecific yet likely benign hepatic nodule - consistent with probable benign cystic biliary adenoma
- Intact yet subjective mild prominent small intestinal walls
- Potential low-grade chronic to chronic active pancreatitis

**WEIGHT**

8.5

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The small Intestine exhibited intact yet mild prominent wall layering which may indicate normal patient variant, although the possibility of inflammatory enteropathy, given the mild weight loss, is possible. No overt evidence of gastrointestinal neoplastic criteria was noted.

**IMAGING**

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

Since the weight loss is reportedly stable, continued monitoring and as-needed gastrointestinal support would be reasonable. A GI panel to include PLI/TLI/Cobalamin/Folate is warranted for further assessment of the gastrointestinal and pancreatic presentation. Recheck urine culture and sensitivity on a sterile urine sample is suggested 7 days post completion of current antibiotics.

**HOSPITAL NAME**

Lehigh Valley AH  
(Allen)

**REFERRING VET**

Dr. Hersh

**INVOICE**

14062

**DATE**

6/9/22





**PATIENT**

Julie Badellino

**SPECIES**

Feline

**BREED**

DSH

**SEX**

FS

**AGE**

2007

**WEIGHT**

8.5

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Rebekah Jakum, CVT  
ARDMS/RVT

**HOSPITAL NAME**

Lehigh Valley AH  
(Allen)

**REFERRING VET**

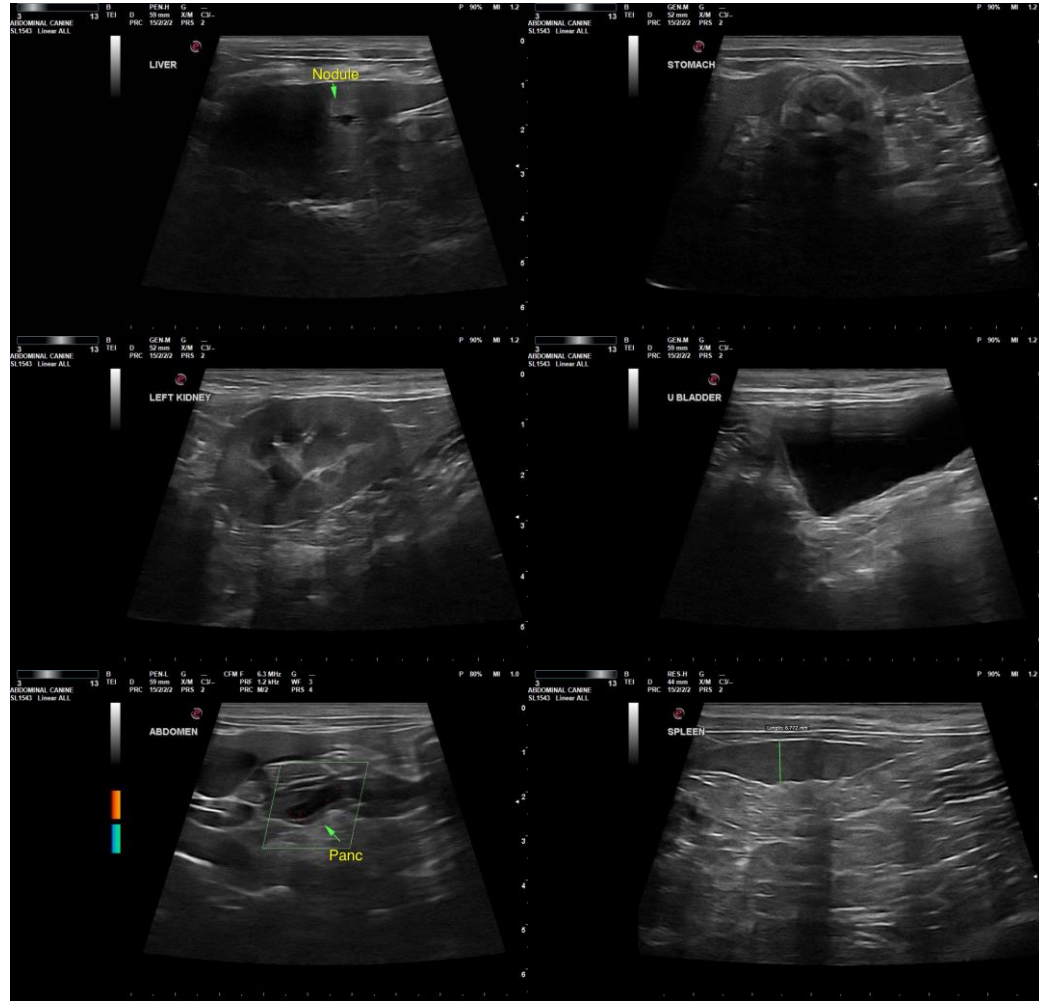
Dr. Hersh

**INVOICE**

14062

**DATE**

6/9/22



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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)  
[mac.daniel@sonopath.com](mailto:mac.daniel@sonopath.com)