



**PATIENT**

Boo Bear Hawley

**SPECIES**

Feline

**BREED**

Siamese

**SEX**

Neutered Male

**AGE**

14 years

**WEIGHT**

9.1 lbs.

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Heidi Putnam, SDEP  
Clinical Sonographer

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Kristina F Cox

**INVOICE**

12102

**DATE**

8/10/21

**PRESENTING CLINICAL SIGNS**

Unexplained weightloss over last year

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild, particulate, nondependent sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

No evidence of pathology in the area of the aortic trifurcation.

Normal renal size with asymmetrical margination were present in both kidneys. The renal cortex presented uniformly increased in echogenicity with uniform echotexture. The renal cortex appeared to be hypertrophied resulting in an altered cortex: medulla ratio. Mild loss of corticomedullary distinction was also present. The renal medullary volume was subjectively reduced. The left kidney measured 3.9 cm in length. The right kidney measured 4.4 cm in length.

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.33 cm width.

No overt pathology in the area of the right adrenal gland was noted.

**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. The spleen was normal in size, measuring 0.77 cm in width at the level of the hilus. No overt evidence of splenic neoplasia was noted.

**Liver/ Gallbladder**

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. 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.



**PATIENT**

Boo Bear Hawley

**SPECIES**

Feline

**BREED**

Siamese

**SEX**

Neutered Male

**AGE**

14 years

**WEIGHT**

9.1 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Heidi Putnam, SDEP  
Clinical Sonographer

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Kristina F Cox

**INVOICE**

12102

**DATE**

8/10/21

**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. The gastric body wall width measured 0.27 cm. The pylorus wall width measured 0.30 cm.

The small intestine presented intact wall layering and primarily maintained a 1:3 muscularis/mucosa ratio with subjective propensity for segmentally mild prominent mucosal layer. The jejunum wall width measured up to 0.23 cm.

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

**Pancreas**

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

**Free Abdomen**

Intermittent, mesenteric lymph nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). Example of a lymph node measured 0.63 cm width.

No evidence of intraabdominal masses or effusion was present.

No effusion was present.

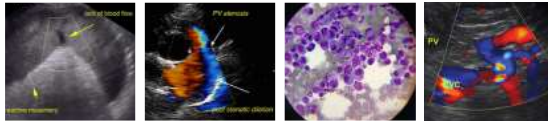
**ULTRASONOGRAPHIC FINDINGS**

- Urinary bladder sediment
- Bilateral mild chronic interstitial nephrosis renal pattern - chronic renal disease with potential for mild chronic nonspecific nephritis such as interstitial nephritis
- Suspect chronic enteropathy
- Heterogenous pancreas - patient variant vs. potential for low-grade chronic inflammation possible
- Intermittent mildly prominent mesenteric lymph nodes - lymphoid hyperplasia or minor reactive lymphadenitis suspected, no overt evidence of lymphatic neoplastic criteria

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall, largely geriatric abdomen without evidence of significant visceral pathology.

The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.



**PATIENT**

Boo Bear Hawley

**SPECIES**

Feline

**BREED**

Siamese

**SEX**

Neutered Male

**AGE**

14 years

**WEIGHT**

9.1 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Heidi Putnam, SDEP  
Clinical Sonographer

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Kristina F Cox

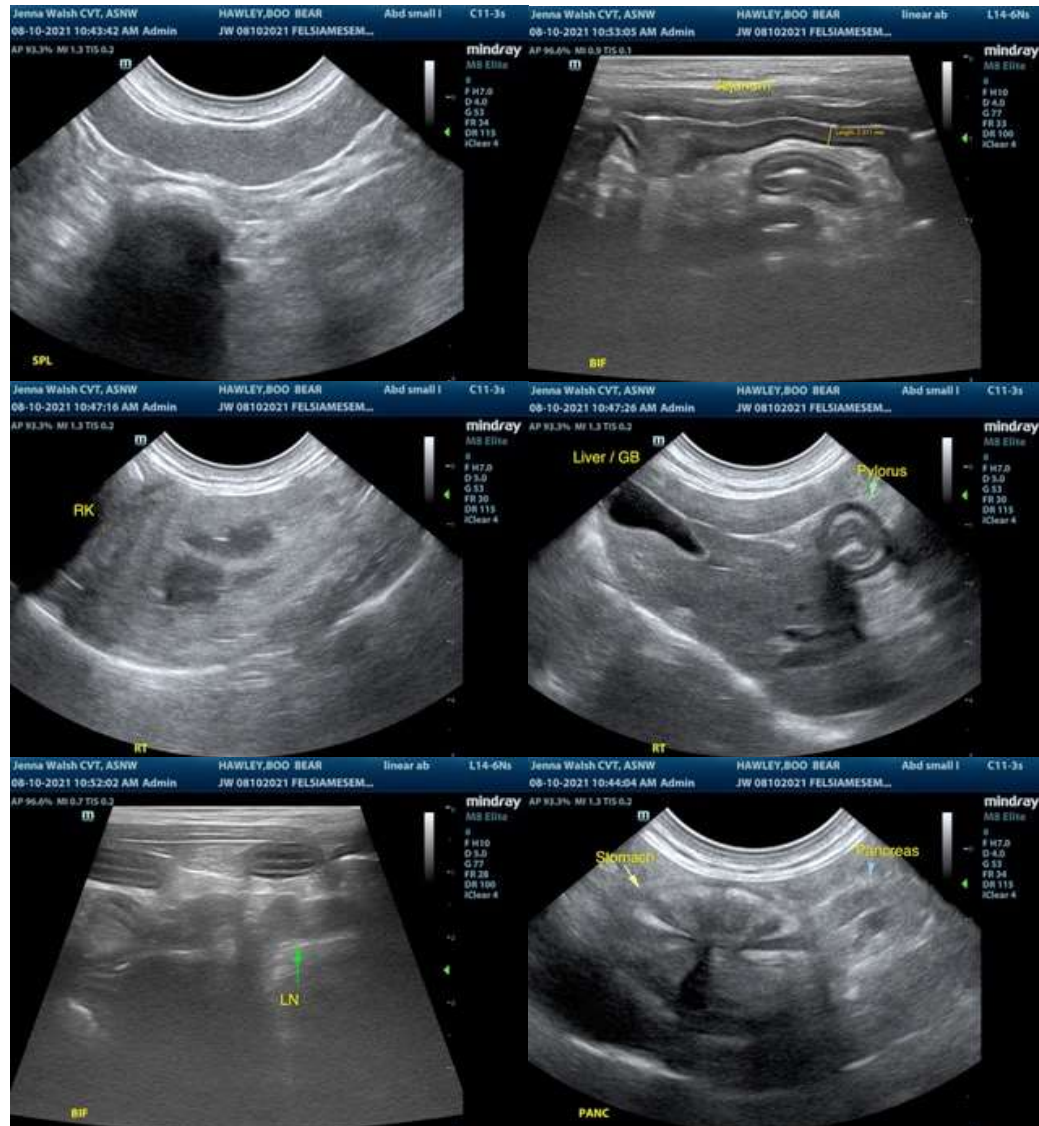
**INVOICE**

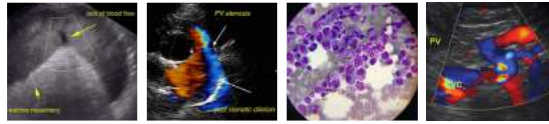
12102

**DATE**

8/10/21

Although not definitive, the small intestine exhibited very subtle mural changes which, given the patient's weight loss and without evidence of other visceral pathology, may suggest underlying chronic enteropathy. Further assessment of the suspected enteropathy as well as the pancreas may include a GI panel to include PLI/TLI/Cobalamin/Folate. Additional diagnostics may include three view chest radiographs to rule out occult thoracic pathology which may account for weight loss. In older cats as well as thorough muscular / skeletal and neurological examination.





**PATIENT**

Boo Bear Hawley

**SPECIES**

Feline

**BREED**

Siamese

**SEX**

Neutered Male

**AGE**

14 years

**WEIGHT**

9.1 lbs.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Heidi Putnam, SDEP  
Clinical Sonographer

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Kristina F Cox

**INVOICE**

12102

**DATE**

8/10/21



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.

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)**  
info@SonoPath.com