



**PATIENT**

Louie Mckenzie

**SPECIES**

Feline

**BREED**

Maine Coon

**SEX**

Neutered Male

**AGE**

3 Years 5 Months

**WEIGHT**

10.4 kg

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

**IMAGING PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview Vet Hospital

**REFERRING VET**

Dr. Brian Barnes

**INVOICE**

43716

**DATE**

7/3/23

**PRESENTING CLINICAL SIGNS**

Intermittent bouts of bloody diarrhea. Occasional vomiting. diarrhea panel CPA, CPE positive (significant values). treated with metronidazole then Tylosin. GI panel pending.

Abnormal PE/Chem/CBC/UA Results: Large cat, doing ok at this time.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Urinary bladder is adequately distended. It has a normal uniform wall thickness. Contents include primarily anechoic fluid with occasional echogenic non-shadowing debris, most consistent with incidental suspended lipid in a cat, possibly combined with exfoliated cells, mucous and/or small blood clots. Both sterile inflammation as well as urinary tract infection can also present with echogenic debris. No masses or cystoliths are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

The right kidney is normal in size (4.6 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

The left kidney is normal in size (4.55 cm), shape and echogenicity. It has smooth peripheral margination. There is a normal 1:3 cortex to medulla ratio with appropriate corticomedullary distinction. There is no evidence of pyelectasia, mineral or infarcts observed.

**Adrenal Glands**

The right adrenal gland is normal in size (0.54 cm at the cranial pole and 0.66 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

The left adrenal gland is normal in size (0.36 cm at the cranial pole and 0.32 cm at the caudal pole), shape and contour. Corticomedullary structure is unremarkable. Visible surrounding vasculature appears normal.

**Spleen**

Spleen is subjectively large in size with a mildly swollen but smooth capsule. Parenchyma is normal and homogenous in echogenicity and echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.

**Liver**

The liver is subjectively normal in size with normal smooth curvilinear peripheral contour. Parenchyma is appropriately hypoechoic to the spleen in echogenicity and appropriately mildly coarse and homogenous in echotexture. No focal lesions are observed. Visible vasculature and biliary tree appear normal without distension or congestion.

The gallbladder is non-distended in size. The wall is smooth without visible thickening. Luminal contents are primarily anechoic. There is no evidence of cystic or common bile duct dilation.



**PATIENT**

***Gastrointestinal***

Louie Mckenzie

The stomach wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm) and layering. The lumen of the stomach is empty with no evidence of obstruction, foreign material or infiltrative disease. Pyloric outflow tract appears patent.

**SPECIES**

Feline

The visible small intestines are normal in wall thickness and layering (canine duodenum < 0.5 cm and feline duodenum < 0.4 cm; other < 0.3 cm). Small intestinal motility appears adequate (1-3 contractions per min). The lumen of the small intestine is empty with no evidence of obstruction, foreign material or infiltrative disease.

**BREED**

Maine Coon

The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.

**SEX**

Neutered Male

***Pancreas***

**AGE**

3 Years 5 Months

The pancreatic parenchyma is appropriately isoechoic to surrounding tissue. Visible capsule is smooth and normal in contour. There is no visible pancreatic duct dilation. There is no evidence of active peripancreatic inflammation.

**WEIGHT**

10.4 kg

***Free Abdomen***

There is no evidence of free peritoneal effusion noted in these images.

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

The mesenteric lymph nodes are prominent in size with swollen capsular contour. Normal elongated shape (length to width ratio) is maintained. There is no loss of parenchymal detail.

**ULTRASONOGRAPHIC FINDINGS**

- **Hypersplenism** – can be associated with congestion caused by sedation (if sedated) but can also be associated with diffuse infiltrative disease. Both benign conditions such as extramedullary hematopoiesis, lymphoid hyperplasia, amyloidosis as well as infiltrative neoplastic diseases such as round cell neoplasia should be considered.
- **Reactive mesenteric lymph nodes** – infiltrative neoplastic disease cannot be ruled out but is considered less likely.

**IMAGING PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview Vet Hospital

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

This patient is reportedly doing better since treating the previously diagnosed clostridium. Therefore, additional follow up may not be warranted. However, if clinical signs (i.e., chronic intermittent gastrointestinal signs) persist, and as is reportedly already pending, a gastrointestinal malabsorption panel (including cobalamin, folate, TLI and PLI) to Texas A&M GI Laboratory is recommended for further evaluation of GI and pancreatic function.

**REFERRING VET**

Dr. Brian Barnes

**INVOICE**

43716

Additionally, pending patient response and/or progression, etc., and while the appearance of the spleen trends in appearance towards benign (especially in a large cat), a fine needle aspirate of the spleen could be considered if patient's coagulation status is appropriate.

**DATE**

7/3/23

Ultimately, biopsies of the upper and lower gastrointestinal tract may be warranted for a definitive diagnosis.



**PATIENT**

Louie Mckenzie

**SPECIES**

Feline

**BREED**

Maine Coon

**SEX**

Neutered Male

**AGE**

3 Years 5 Months

**WEIGHT**

10.4 kg

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

**IMAGING PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview Vet Hospital

**REFERRING VET**

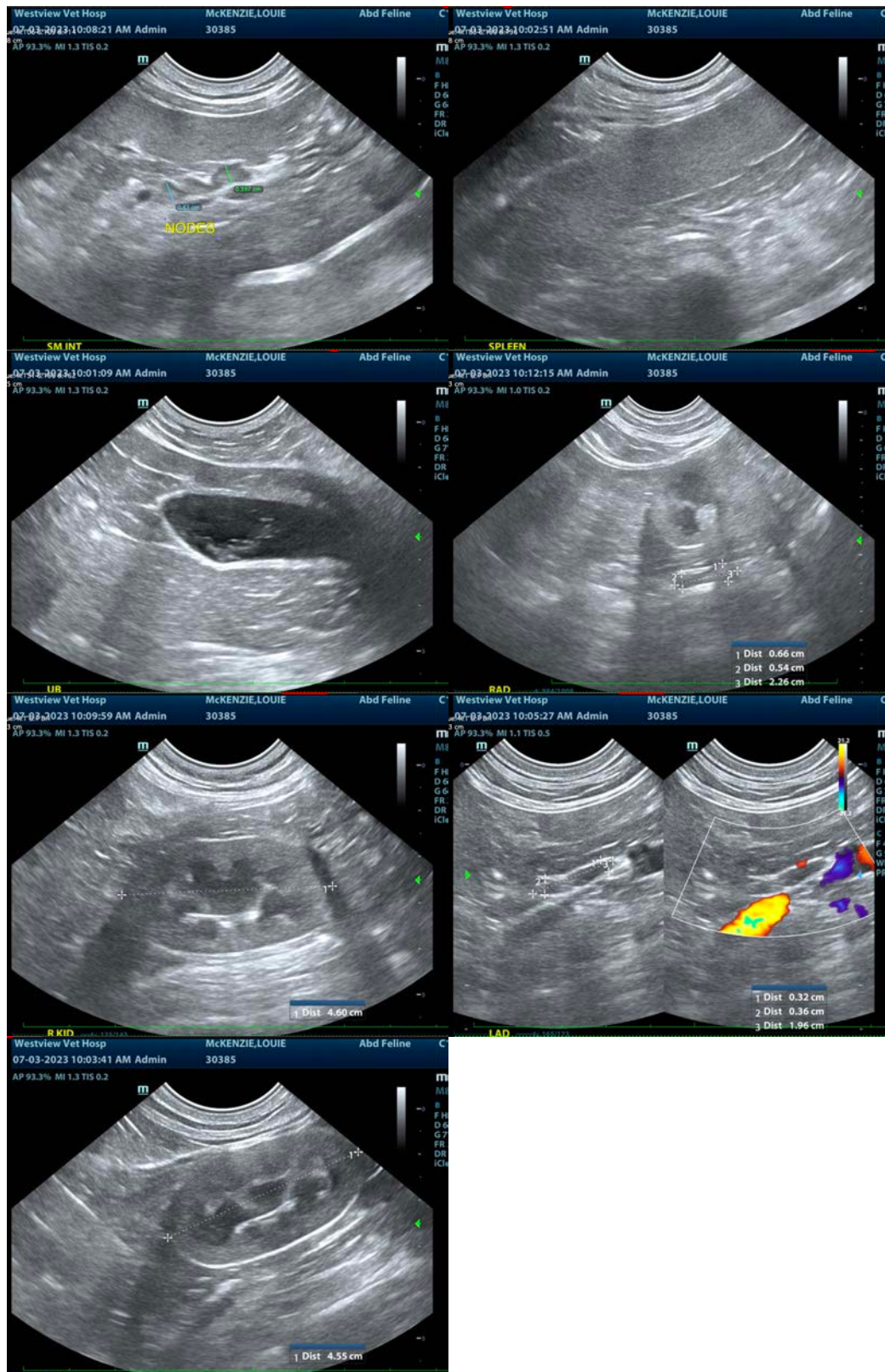
Dr. Brian Barnes

**INVOICE**

43716

**DATE**

7/3/23





**PATIENT**

Louie Mckenzie

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**

Feline

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**

Maine Coon

**Beth Johnson, DVM, DACVIM**  
info@sonopath.com

**SEX**

Neutered Male

**AGE**

3 Years 5 Months

**WEIGHT**

10.4 kg

**INTERPRETED BY**

Beth Johnson, DVM  
DACVIM

**IMAGING  
PERFORMED BY**

Dr. Brian Barnes

**HOSPITAL NAME**

Westview Vet Hospital

**REFERRING VET**

Dr. Brian Barnes

**INVOICE**

43716

**DATE**

7/3/23