



PATIENT

Stella Froelich

PRESENTING CLINICAL SIGNS

Several month hx of weight loss despite normal appetite, intestines palpate thickened on exam, no reported v/d. No current meds.

SPECIES

Feline

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended with anechoic contents. No masses, inflammatory changes, echogenic sediment or cystoliths are observed. The urinary bladder, trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

BREED

Maine Coon X

The right kidney is normal in size (4.39 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.

SEX

Spayed Female

The left kidney is normal in size (4.26 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.

AGE

11 Years

Adrenal Glands

The adrenal glands are bilaterally uniformly plump egg-shaped adrenals (left is 0.35 cm thick, right is 0.63 cm thick), hypoechoic in echogenicity. This is most likely a benign age-related change. This change can be caused by chronic stress/disease, so investigation for/management of other disease (chronic kidney disease, hyperthyroidism, etc.) is recommended.

WEIGHT

Not Provided

Spleen

The spleen is subjectively large in size with subtly scalloped or undulating capsular contour. Parenchyma is normal in echogenicity with a mildly coarse/heterogenous echotexture. No focal nodules or masses are observed. Splenic vasculature appears normal.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

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.

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Millburn Vet Hospital

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.

Gastrointestinal

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.

REFERRING VET

Dr. Turowsky

INVOICE

38980

The visible small intestine demonstrates diffusely mildly thick walls with a disproportionately thick muscularis layer relative to the mucosa layer, and early hazy emerging loss of mural detail. One focal mid abdominal bowel loop demonstrates complete loss of layering, and a thick hypoechoic wall measuring between 0.4 and 0.5 cm. The lumen is empty without evidence of obstruction or foreign material.

DATE

6/22/22



PATIENT	The visible colon is normal in wall thickness (< 0.2 cm) and layering. Contents are consistent with normal formed feces and gas.
Stella Froelich	
	Pancreas
SPECIES	The pancreas is prominent (enlarged) in size, hypoechoic to surrounding tissue and has a mildly irregular undulating contour. Parenchyma is coarse with mixed echogenic remodeling noted. Pancreatic duct dilation is noted.
Feline	
	Other
BREED	Enlarged, hypoechoic mesenteric lymph nodes and enhanced hyperechoic mesentery surround the emerging bowel mass.
Maine Coon X	
	Comet tail lesions are noted at the edge of the diaphragm, indicating possible pulmonary pathology as well.
SEX	
Spayed Female	There is no evidence of peritoneal effusion.
	PRIMARY FINDINGS
AGE	<ul style="list-style-type: none"> Scalloped spleen – can be associated with benign or malignant infiltrative disease. Common causes include a reactive spleen secondary to immune stimulus or early infiltrative round cell neoplasia such as lymphoma or mast cell tumor.
11 Years	
	<ul style="list-style-type: none"> Focal thickened small bowel loop with complete loss of layering – most concerning for infiltrative neoplasia such as lymphoma with diffuse changes concerning for early or emerging neoplasia as well.
WEIGHT	
Not Provided	
INTERPRETED BY	<ul style="list-style-type: none"> Mesenteric lymphadenopathy – Differentials include both reactive disease as well as infiltrative neoplasia. However, given the concurrent bowel and splenic changes, round cell neoplasia is considered most likely. Incidental comet tails – suggestive of pulmonary pathology.
Beth Johnson, DVM DACVIM	
	SECONDARY FINDINGS
IMAGING PERFORMED BY	<ul style="list-style-type: none"> Age related adrenal changes Chronic smoldering pancreatitis
Jessica Miller	
HOSPITAL NAME	
Millburn Vet Hospital	
	<u>INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS</u>
REFERRING VET	Three view thoracic radiographs are recommended for further assessment of cardio-pulmonary status as well as to further evaluate for any evidence of metastatic disease, if not recently evaluated.
Dr. Turowsky	Fine needle aspirate of the spleen, mesenteric lymph nodes, as well as the focal bowel mass, if possible, and if patient's coagulation status is appropriate.
	If a diagnosis of round cell neoplasia is not obtained via cytology, biopsies of the bowel, being sure to include the focally thick bowel loop using intra-op ultrasound, may be necessary to definitively diagnosis the infiltrative process.
INVOICE	
38980	
	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.
DATE	
6/22/22	



PATIENT

Stella Froelich

SPECIES

Feline

BREED

Maine Coon X

SEX

Spayed Female

AGE

11 Years

WEIGHT

Not Provided

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Millburn Vet Hospital

REFERRING VET

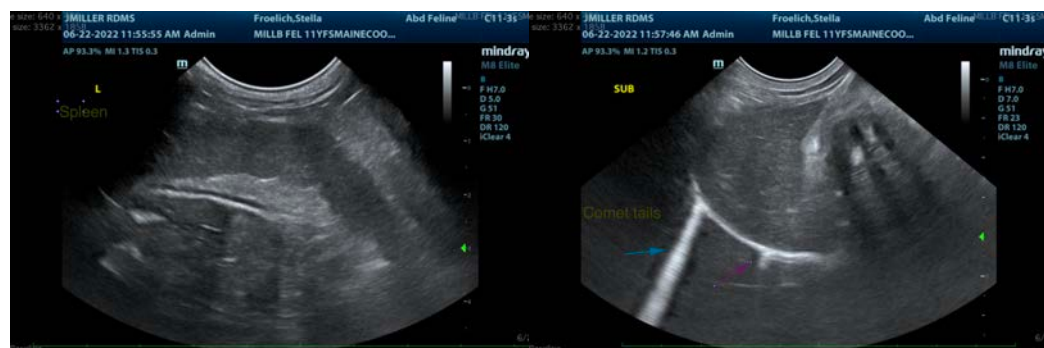
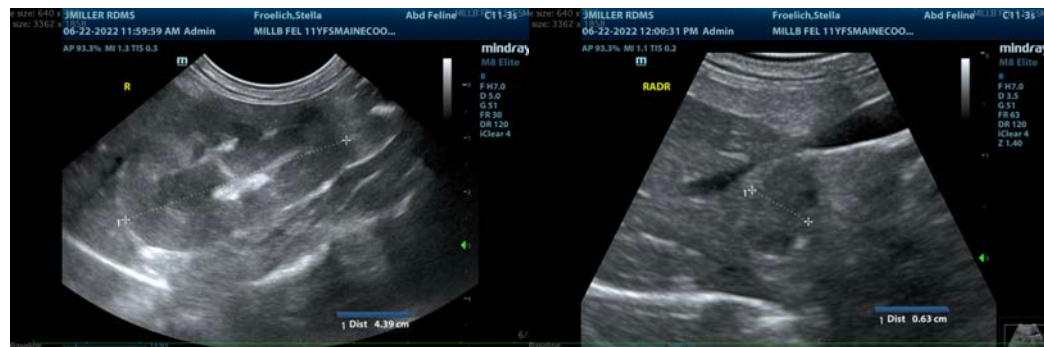
Dr. Turowsky

INVOICE

38980

DATE

6/22/22





PATIENT

Stella Froelich

SPECIES

Feline

BREED

Maine Coon X

SEX

Spayed Female

AGE

11 Years

WEIGHT

Not Provided

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Millburn Vet Hospital

REFERRING VET

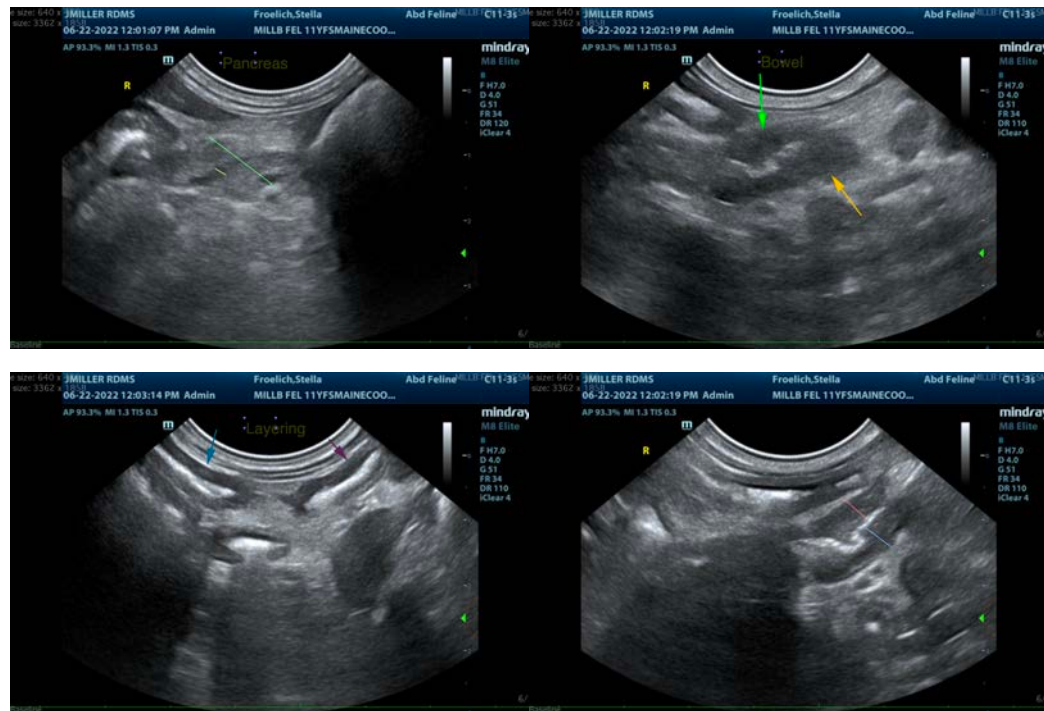
Dr. Turowsky

INVOICE

38980

DATE

6/22/22



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.

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