



PATIENT

Mitzi Amaranth

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

12 years

WEIGHT

12.5 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

Cat Care of Rochester

INVOICE

95990

DATE

2/9/22

PRESENTING CLINICAL SIGNS

Diagnosed with T-cell GI lymphoma at MSU in Sep 2019; treated with chlorambucil/prednisolone since then. Has lost significant weight (2#) since May 2021. Hyporexia and vomiting more (often clear liquid in am) Exam findings and abnormal lab values: SIT mildly ropy; weight loss; moderate to severe dental dz. CBC/Chem/Lytes/T4/PLI normal overall (done 1-18-22). Previous AUS report attached.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Urinary bladder is moderately distended. It has a normal uniform wall thickness (<0.2 cm). Contents include primarily anechoic fluid combined with suspended echogenic non-shadowing debris within the fluid. Some of the debris appears in thick, echogenic strands. No masses or calculi are observed. The trigone and visible pelvic urethra are normal in thickness with a smooth mucosal surface.

Left kidney is normal in size (3.97 cm), shape and echogenicity. It has smooth peripheral margination and appropriate corticomedullary distinction. There is no pyelectasia noted. No mineral is observed.

Right kidney is normal in size (4.12 cm), shape and echogenicity. It has smooth peripheral margination and appropriate corticomedullary distinction. There is no pyelectasia noted. No mineral is observed.

Adrenal Glands

Left adrenal gland is normal in size (0.33 cm thick), shape and contour. Corticomedullary structure is unremarkable.

Right adrenal gland is normal in size (0.27 cm thick), shape and contour. Corticomedullary structure is unremarkable.

Spleen

Spleen is subjectively enlarged in size with rounded margins but intact capsule. Parenchyma is homogeneously coarse/mottled in echotexture and normal to hypoechoic in echogenicity. No focal nodules or masses are observed. Splenic vasculature appears normal.

Liver

Liver is subjectively normal in size. Margins are sharp and smooth. It has normal homogenous echotexture and normal echogenicity. No focal lesions are observed. Visible vasculature appears normal. Gallbladder is mildly distended with anechoic contents. The wall is smooth without visible thickening. There is no evidence of common bile duct dilation.

Gastrointestinal

The visible gastric wall is normal in thickness (canine < 0.5 cm and feline < 0.4 cm). The stomach is empty.



PATIENT

Mitzi Amaranth

The small intestines are normal in wall thickness. Normal layering is maintained except for a diffusely disproportionately thick muscularis layer relative to mucosa. Small intestinal motility appears adequate (1-3 contractions per min). There are no luminal contents noted within small intestines.

SPECIES

Feline

Colon is normal in wall thickness (< 0.2 cm) and layering.

Pancreas

BREED

Domestic Shorthair

Pancreas has normal homogenous echotexture and is normal in echogenicity and smooth margination. There is no evidence of peripancreatic inflammation.

SEX

Spayed Female

Free Abdomen

Lymph nodes are normal with no observed enlargement.

AGE

12 years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

12.5 lbs

Primary Findings

- Urinary bladder sediment – Urine changes are most consistent with incidental suspended lipid in a cat, however, cellular debris, crystalluria, mucous strands, other cannot be ruled out and should be interpreted in combination with urinalysis results.
- Coarse splenomegaly – 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 (leave amyloidosis out if canine) as well as infiltrative neoplastic diseases such as round cell neoplasia should be considered.
- Thick muscularis – This finding has been reported in cats with infiltrative bowel disease including both benign inflammatory disease as well as infiltrative neoplasia such as lymphoma.

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging Michigan

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

This ultrasound appears visible improved from the previous ultrasound where bowel thickness measured up to 4.4 cm and today it is normal in thickness at 0.33 cm. However, the disproportionately thick muscularis remains. Other improvements are the lack of previously reported lymphadenopathy. However, new findings include the splenomegaly. Therefore, recommendations include a FNA of the spleen if the patient's coagulation status is appropriate. A gastrointestinal malabsorption panel including TLI, PLI, folate and cobalamin to Texas A&M GI laboratory is also recommended in case there is other supportive care that may help alleviate clinical signs such as cobalamin supplementation.

REFERRING VET

Cat Care of Rochester

Given the urinary bladder changes a urinalysis and urine culture, if indicated based on urinalysis results, is also recommended. Pending results consultation with an oncologist may be warranted to determine whether or not more aggressive medical management/chemotherapy is recommended given the progressive clinical signs despite Prednisone and Chlorambucil.

INVOICE

95990

DATE

2/9/22



PATIENT

Mitzi Amaranth

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

12 years

WEIGHT

12.5 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

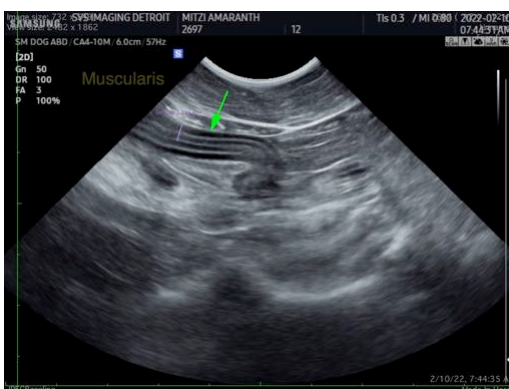
Cat Care of Rochester

INVOICE

95990

DATE

2/9/22





PATIENT

Mitzi Amaranth

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

Domestic Shorthair

Beth Johnson, DVM DACVIM

Beth.Johnson@SonoPath.com

SEX

Spayed Female

AGE

12 years

WEIGHT

12.5 lbs

INTERPRETED BY

Beth Johnson, DVM
DACVIM

**IMAGING
PERFORMED BY**

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging Michigan

REFERRING VET

Cat Care of Rochester

INVOICE

95990

DATE

2/9/22