



PATIENT

Seamous Milano

SPECIES

Feline

BREED

DLH

SEX

Neutered Male

AGE

9 Years

WEIGHT

12.9 Pounds

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

**IMAGING
PERFORMED BY**

Dr. Tam Mengine

HOSPITAL NAME

Stoney Creek VH

REFERRING VET

Dr. Tam Mengine

INVOICE

40251

DATE

8/5/22

PRESENTING CLINICAL SIGNS

Diagnosed with diabetes mellitus 2 months ago. Was doing well on insulin, then 1 week ago began vomiting and became lethargic. Presented 8/4 with fever, BG 319, elevated globulins (5.5), WBC 26.3k (22.7 PMNs), else normal CBC / Chem (globulins and WBC were normal in June). No improvement after 24 hrs of antibiotic therapy (convenia) and SQ fluids.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder is moderately distended with anechoic urine, and a small amount of echogenic sediment. The ureteral papillae, trigone and pelvic urethra are of normal appearance, and the ureters are not visible (normal). No masses, calculi or mucosal irregularities are noted.

Both kidneys are mildly enlarged with a normal shape and mild loss of corticomedullary differentiation with a normal 1:3 cortex to medulla ratio. Both kidneys exhibit trace pyelectasia. There is no evidence of nephrolithiasis, mineralization, cystic change, or hydronephrosis. The proximal ureters are not visible (normal). The left kidney measures 4.5 cm in length. The right kidney measures 4.8 cm in length.

Adrenal Glands

The adrenal glands are both identified in their normal locations. They are normal in size and shape with appropriate parenchymal echogenicity and normal phrenic vasculature. The left adrenal gland measures 2.9 mm at the cranial pole and 2.6 mm at the caudal pole. The right adrenal gland measures 3.4 mm at the cranial pole and 3.4 mm at the caudal pole.

Spleen

The spleen is diffusely hypoechoic, with appropriate size and a homogenous parenchyma with a smooth, continuous capsular surface. The splenic vasculature is normal with no evidence of congestion or thrombosis, and blood flow through the splenic hilus appears normal. Thickness of the splenic hilus is normal at 8.4 mm.

Liver

The liver is of appropriate size and shape, with sharp borders and a mildly coarse parenchymal echotexture that is hypoechoic to the spleen. The portal and hepatic vasculature are of normal size and appearance with no evidence of congestion or thrombosis.

The gallbladder is distended with anechoic contents. The wall was thin and continuous with no focal lesions. The cystic and common bile ducts are normal / not visible.

Gastrointestinal

The stomach is mildly distended with normal ingesta. The gastric wall is normal with deviations due to rugal folds, and exhibits appropriate wall layering. The pylorus is of normal appearance.

The small bowel has focal changes to the normal 1:3 muscularis to mucosa ratio. Wall measurements are increased up to 3.2 mm in the jejunum. Overall wall layering is preserved. The duodenum has a mildly increased wall thickness at 2.8 mm.



PATIENT

Seamous Milano

The visible portions of the colon are of normal thickness (1.7 mm) with intact wall layering. The ileocecal junction is visualized and appears normal.

SPECIES

Pancreas

Feline

The left and right limbs of the pancreas are hypoechoic and swollen, and surrounded by hyperechoic omental fat. The pancreatic duct appears normal. There is a 1.3 cm x 1.7 cm hypoechoic, non-vascularized lesion within the left limb of the pancreas.

BREED

DLH

Free Abdomen

There is a small amount of anechoic free fluid present throughout the abdomen as well as diffusely hyperechoic intraabdominal fat. There are several mildly enlarged mesenteric lymph nodes with a normal height to length ratio, measuring up to 6.2 mm in length.

SEX

Neutered Male

ULTRASONOGRAPHIC FINDINGS

AGE

9 Years

PRIMARY FINDINGS:

- Acute pancreatitis
- Hypoechoic lesion in the left limb of the pancreas – could be consistent with abscess, necrosis or neoplasia.
- Infiltrative bowel changes

WEIGHT

12.9 Pounds

SECONDARY FINDINGS:

- Changes to the kidney consistent with recent fluid therapy and diabetes mellitus
- Reactive spleen

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Fine needle aspirate of the hypoechoic lesion in the left limb of the pancreas is recommended for both cytology and culture. While awaiting these results, treatment for acute pancreatitis is recommended.

IMAGING PERFORMED BY

Dr. Tam Mengine

The changes in the pancreas are consistent with acute pancreatitis. Concurrent pancreatic neoplasia, while less likely, cannot be ruled out. Recommendations include:

HOSPITAL NAME

Stoney Creek VH

- ❖ an fPLI, or preferably a full GI panel, are indicated for confirmation and to screen for concurrent intestinal disease.
- ❖ supportive care including fluid therapy, anti-emetics, analgesics, appetite stimulants (if needed) and cobalamin supplementation are warranted.
- ❖ a highly digestible intestinal diet is recommended.
- ❖ if the patient is not responding to medical management, fine needle aspiration with a 25G needle for cytology could be considered after first checking a coagulation profile.

REFERRING VET

Dr. Tam Mengine

The changes in the small bowel are consistent with infiltrative bowel disease, inflammatory etiology is considered most likely as opposed to neoplasia.

INVOICE

40251

The changes in the bowel are suggestive of infiltrative bowel disease, including both inflammatory bowel disease or gastrointestinal lymphoma. Recommendations include:

DATE

8/5/22



PATIENT

Seamous Milano

- ❖ fecal parasite testing and empiric fenbendazole treatment
- ❖ trials with a novel protein or hydrolyzed diet
- ❖ A complete GI panel.

SPECIES

Feline

- ❖ Definitive diagnosis would require biopsy of the affected tissue, ideally with intra-operative ultrasonographic guidance . If there is concurrent lymphadenopathy, ultrasound-guided sampling of the lymph node using a 25 or 22G needle could be considered. (dog only - Resting cortisol levels could also be considered).

BREED

DLH

The changes to the spleen are likely reactive. However, fine needle aspirate could be considered to confirm this.

SEX

Neutered Male

AGE

9 Years

WEIGHT

12.9 Pounds

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

**IMAGING
PERFORMED BY**

Dr. Tam Mengine

HOSPITAL NAME

Stoney Creek VH

REFERRING VET

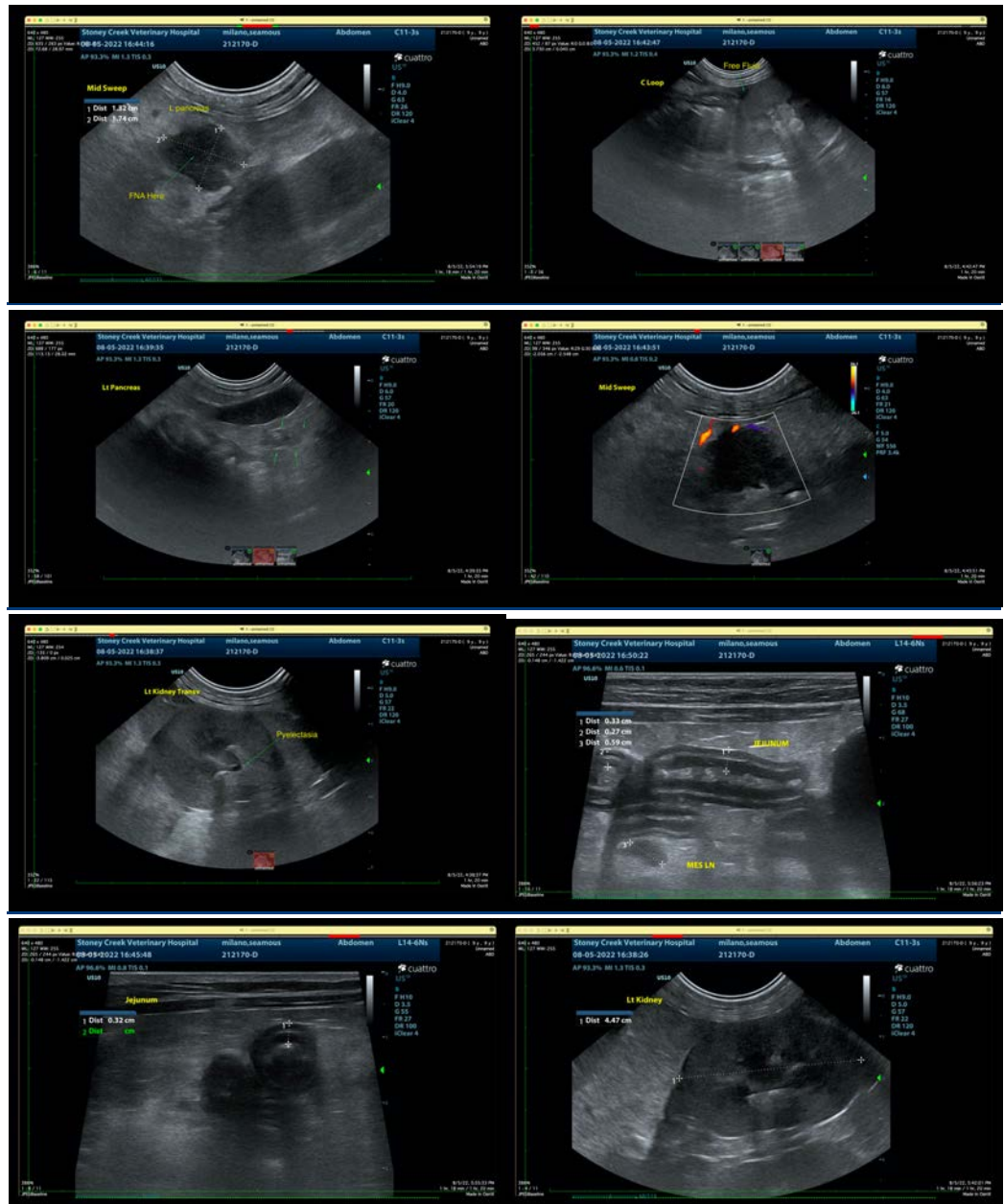
Dr. Tam Mengine

INVOICE

40251

DATE

8/5/22





PATIENT

Seamous Milano

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.

Tam Mengine, DVM, DABVP (canine/feline practice)

info@SonoPath.com

BREED

DLH

SEX

Neutered Male

AGE

9 Years

WEIGHT

12.9 Pounds

INTERPRETED BY

Tam Mengine, DVM,
DABVP (canine/feline
practice)

**IMAGING
PERFORMED BY**

Dr. Tam Mengine

HOSPITAL NAME

Stoney Creek VH

REFERRING VET

Dr. Tam Mengine

INVOICE

40251

DATE

8/5/22