



## PATIENT

Maple C2774 Animals  
in Distress

## SPECIES

Feline

## BREED

Domestic Shorthair

## SEX

Spayed female

## AGE

1 year 8 months

## WEIGHT

5 lbs 10 oz

## INTERPRETED BY

Dr. Alicia Angosto  
Guerrero

## IMAGING PERFORMED BY

Renee Ziegler-Post

## HOSPITAL NAME

For Cats Only  
Veterinary Clinic

## REFERRING VET

Dr. Ziegler-Post

## INVOICE

68856

## DATE

11/19/25

## PRESENTING CLINICAL SIGNS

**History:** Maple presented for yearly FIV + exam. On exam she had lost almost 3 pounds since her last visit.

**Abnormal PE/Chem/CBC/UA Results:** Bloodwork showed an anemia and elevation in her white blood cell counts. Her protein levels were very elevated and one of her liver values was too high to be read initially but on dilution was normal.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The bladder lumen is normally distended, and the wall of the urinary bladder appears thin and smooth. The urine is slightly cloudy but without evident sediment. Normal appearance of the proximal urethra and vesicoureteral junction. There are no calculi and no evidence of inflammatory or neoplastic changes.

The left kidney is normal in shape and size: 3.79×2.02 cm, and the thickness of the cortex is 0.24 cm in the sagittal plane. The cortex is isoechoic compared to liver parenchyma. The corticomedullary ratio is normal and the corticomedullary definition is preserved. There is no evidence of pyelectasia, nephroliths, or hydronephrosis. Color Doppler shows a normal pattern.

The right kidney is normal in shape and size: 3.53×1.68 cm, and the thickness of the cortex is 0.26 cm in the sagittal plane. The cortex is isoechoic compared to liver parenchyma. The corticomedullary ratio is normal and the corticomedullary definition is preserved. There is no evidence of pyelectasia, nephroliths, or hydronephrosis. Color Doppler shows a normal pattern.

### *Adrenal Glands*

Both adrenal glands show normal shape and echogenicity. The left adrenal gland measures 0.31 cm at the cranial pole and 0.33 cm at the caudal pole. The right adrenal gland was not visualized.

### *Spleen*

Splenic thickness is 0.88 cm. The parenchyma demonstrates normal echogenicity and fine homogeneous echotexture without focal parenchymal abnormalities. The splenic capsule is smooth and regular.

### *Liver*

The liver is subjectively normal in size, with sharp edges and a regular contour. The liver parenchyma looks uniform and isoechoic compared to the falciform fat, with a normal echotexture. No hepatic lymphadenopathy is observed.

The gallbladder lumen is normally distended. The wall measures 1.17 mm and the contents are primarily anechoic. No evident dilation of the cystic duct or common bile duct is observed.



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## *Gastrointestinal*

The stomach is semi-distended with food remnants, with mural thickness (1.34 mm) and preserved wall layering. The pylorus (1.70 mm). Duodenum: not clearly observed. Jejunum: 1.69 mm – Mucosa: 0.58 mm, Submucosa: 0.36 mm, Muscularis propria: 0.49 mm.

Ileum: 1.51 mm – Mucosa: 0.68 mm, Submucosa: 0.59 mm, Muscularis propria: 0.24 mm, with normal wall layering. The ileocecal junction measures 1.53 mm. No signs of obstruction, ileus, or foreign material are identified.

Colon: 0.84 mm, with a small amount of formed feces in the descending segment.

## *Pancreas*

The pancreas measured 7.2 mm (left limb), irregular contour. The parenchyma of the pancreas is hypoechoic to the adjacent omental fat. The pancreatic duct is not dilated. No signs of active inflammation of the peripancreatic fat are evident.

## *Peritoneal Cavity*

No abdominal effusion or peritonitis is observed. Cranial mesenteric lymph nodes measure 1.22 cm and 0.9 cm in thickness, they appear rounded, hypoechoic, and heterogeneous. Ileocecal lymph nodes measure 5.65 mm, rounded and hypoechoic, not as irregular or enlarged as the jejunal nodes. The iliac trifurcation is normal.

## ULTRASONOGRAPHIC FINDINGS

- Mild hypoechoic, irregular, mildly enlarged left pancreatic limb with parenchymal heterogeneity.
- Enlarged cranial mesenteric lymph nodes, rounded and hypoechoic and heterogeneous.
- Mildly enlarged ileocecal lymph node (5.65 mm), rounded and hypoechoic.
- Gallbladder wall mildly thickened (1.17 mm).

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Several abdominal lymph nodes (cranial mesenteric and ileocecal) are enlarged, rounded, and hypoechoic. These findings are nonspecific, but commonly associated with reactive lymphadenopathy, early infectious disease, or lymphoproliferative disorders. Maple's FIV-positive status, significant weight loss, anemia, leukocytosis, and marked hyperproteinemia mean that early multicentric lymphoma remains a reasonable differential.

The pancreatic findings may reflect very early or mild pancreatitis, potentially secondary to the underlying inflammatory process; however, this is not considered the primary cause of the clinical signs.

Recommendations



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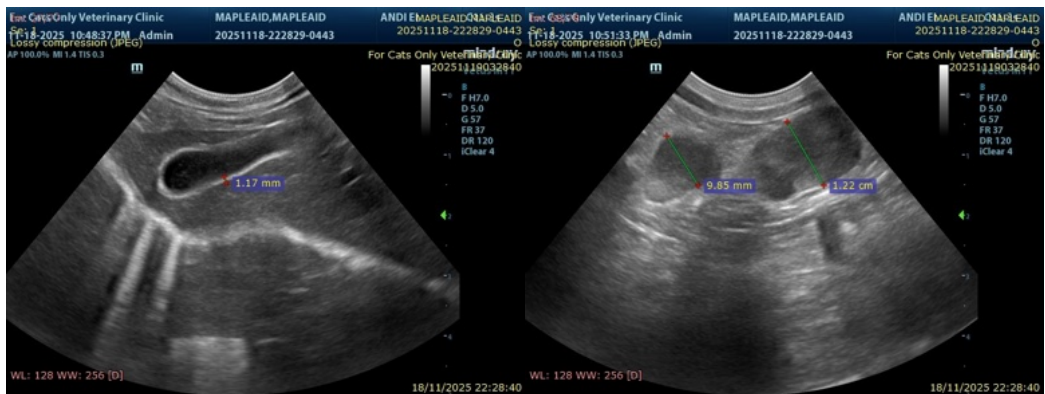
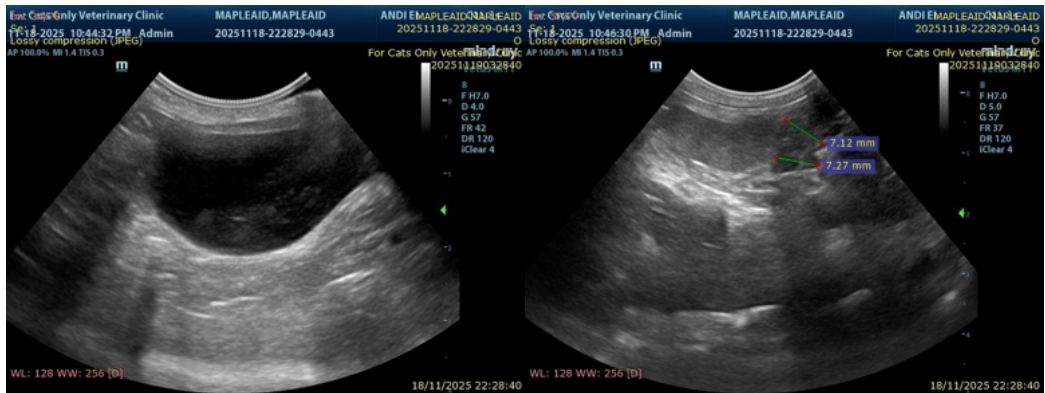
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- The most important: Perform fine-needle aspirate or biopsy of enlarged abdominal lymph nodes.
- Re-run CBC/chem in 2-3 weeks.
- Consider serum protein electrophoresis.
- Consider fPLI, although pancreatitis this is not considered the primary cause of the clinical signs.





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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.

Alicia Angosto Guerrero, DMV, PgDip, MSc.

MV Esp Ultrasound in Domestic and Wild Animals

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