



## PATIENT

Floyd Gutner

## SPECIES

Feline

## BREED

DSH

## SEX

Neutered Male

## AGE

17 Years 4 Months

## WEIGHT

5.7 pounds

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Melinda Persson

## HOSPITAL NAME

At Home Veterinary

## REFERRING VET

Dr. Melinda Persson

## INVOICE

14119

## DATE

03/05/26

## PRESENTING CLINICAL SIGNS

- Weight loss
- Good appetite - feels well
- An acute episode of vomiting in February
- Renal disease
- History of FLUTD

Abnormal PE/Chem/CBC/UA Results: ALT 252 (10-100) T4 2.4 Free T4 58.9 (10-50) CR 1.6 SDMA 20.1 USG 1.019 Neutrophils 9660 (2500-8500)

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 2.0 cm presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild to moderate age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex. Slight mineralization was present. The left kidney measured 3.21 cm in length. The right kidney measured 3.12 cm in length. An anechoic cyst was present in the dorsal medial cortex of the right kidney measuring 0.52 cm x 0.64 cm. In the medial aspect of the left kidney, an anechoic cyst was present measuring 0.52 cm.

### Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.40 cm width. The right adrenal gland measured 0.41 cm width.

### Spleen

The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.

### Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some moderate age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. Multifocal hypoechoic nodular changes were present, the largest of which measured 1.67 cm x 1.16 cm.

### Gastrointestinal



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The **gastrointestinal tract** revealed mild variable thickening and echogenic submucosal changes most consistent with low grade end result of chronic GI disease such as IBD and may be related to malassimilation of nutrients if any weight loss is present. No obvious neoplastic patterns were noted and luminal content as unremarkable. The stomach revealed a moderate amount of stasis. The pyloric antrum revealed a 1.7 cm hypoechoic area which appeared to be deriving from the muscularis deviating the submucosal layer. Power doppler is recommended to ensure this is not stasis as gastric stasis and tumors can resemble each other.

### **Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

### **Free Abdomen**

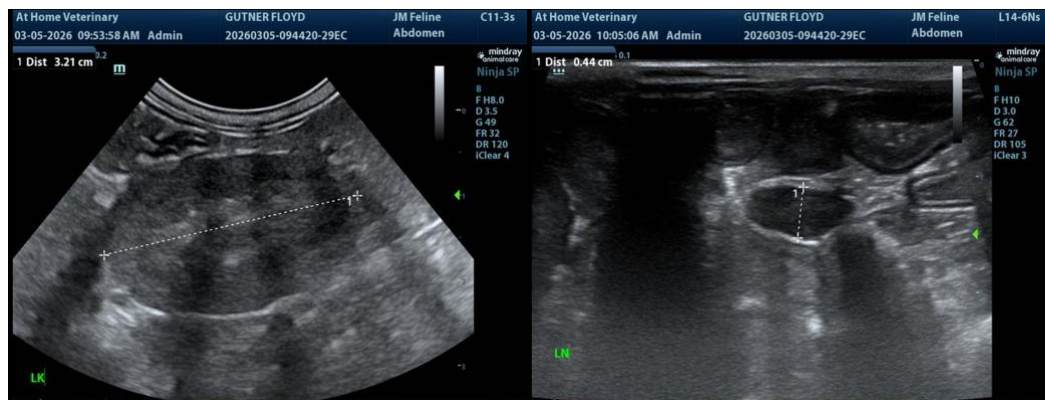
The mesenteric **lymph nodes** presented normal length to width ratio with slight, swollen contour. There was no loss of parenchymal detail. This is most consistent with reactive lymphadenitis or lymphatic hyperplasia. The lymph nodes measured up to 0.44 cm.

## ULTRASONOGRAPHIC FINDINGS

- Moderate degenerative renal changes with cortical cysts and slight mineralization.
- Age-related hepatic changes with nodular changes- nodular hyperplasia versus primary or metastatic disease.
- Volume contracted spleen.
- Gastric stasis.
- Pyloric structure- strong concern for pyloric neoplasia.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

25-gauge FNA of the liver nodules are recommended. If the tissue structure on power doppler is positive, then FNA is indicated.





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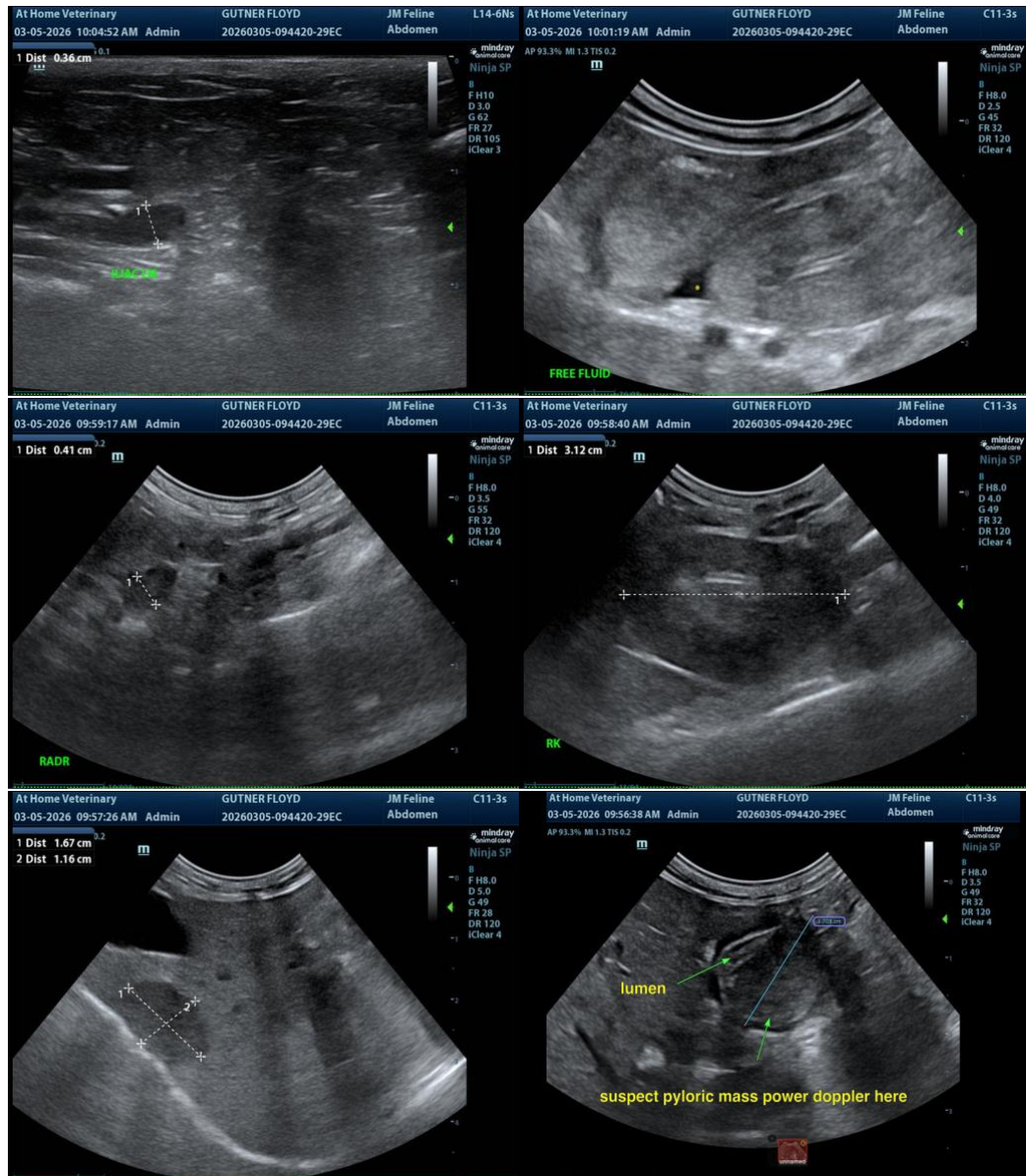
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

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