



## PATIENT

Alice Marquez

## SPECIES

Canine

## BREED

English Bulldog

## SEX

FS

## AGE

5yr

## WEIGHT

44lb

## INTERPRETED BY

R. McKenzie Daniel,  
DVM, DABVP  
(Canine and Feline)

## IMAGING PERFORMED BY

Brandi Barry, DVM

## HOSPITAL NAME

Bluegrass Animal  
Hospital

## REFERRING VET

Cristi Moser, DVM

## INVOICE 24652

## DATE

04/28/2026

## PRESENTING CLINICAL SIGNS

Patient presented ADR this morning for GI upset and lethargy. Owner reports a 3 day history of vomiting and diarrhea. Patient got into kilbasa sausage a few days ago, which may have contained onions and garlic. Owner reports polydipsia following sausage ingestion. Diarrhea was watery, but now has some form per owner. Water intake is now back to normal. Very lethargic at home. Eating chicken and rice in small volumes at home. Normal urination outside, but having inappropriate urination inside. Last BM was yesterday. Not UTD on heartworm/flea/tick prevention. UTD on vax.

Abnormal PE/Chem/CBC/UA Results: On PE, the most notable finding was muscle wasting along the spine as well as a distended abdomen which did ballot. Lab abnormalities: RBC 9.11 (H), HCT 59.7% (N), HGB 22.2 (H) WBC 17.38 (H), NEU 12.35 (H), MONO 2.64 (H) GLU 166 (H), CA 7.6 (L) Na 129 (L), K 5.9 (H), Cl 97 (L) Analysis of abdominal effusion: Serosanguinous fluid. On cytology, primarily RBC noted w/ several neutrophils, few to several MCT, and scattered, large nucleated cells (few multinucleated) present. Fecal (hookworms)

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 5.7 cm in length. The right kidney measured 6.1 cm in length.

The area of the aortic trifurcation was free of pathology.

### Adrenal Glands

The left and right adrenal glands were not definitively visualized owing to perirenal and omental artifact.

### Spleen

The spleen exhibited overall normal size and contour with primarily homogenous parenchyma with intermittent mildly expansive non-homogenous hypoechoic nodules. An example of a nodule measured 0.75 cm in diameter.

### Liver/Gallbladder

Generalized hepatomegaly with asymmetrical capsule contour. Marked non-homogenous parenchyma and diffuse parenchymal variably sized to variably echogenic hepatic nodules to small masses. Some masses/nodules exhibiting mild central hyperechogenicity with mild hypoechoic periphery suggestive of target lesion type nodules. An example of liver nodule to small mass measured 2.5 cm in diameter.



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The gallbladder was non-distended in size with mildly thickened walls and primarily anechoic bile. The common bile duct was not visualized without overt evidence of dilation or post hepatic obstructive criteria.

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### **Gastrointestinal**

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

## BREED

English Bulldog

The visualized segments of small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty. The small intestinal wall measured 0.42 cm in width.

Normal visible colon wall layers were present with apparent formed feces in lumen.

## SEX

FS

### **Pancreas**

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

## AGE

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### **Free Abdomen**

Moderate volume mildly echogenic peritoneal effusion.

Generalized non-homogenous hyperechoic omentum.

## WEIGHT

44lb

Intermittent non-homogenous swollen mesenteric lymph nodes were present, an example measured example 2.7 cm in diameter

## ULTRASONOGRAPHIC FINDINGS

### INTERPRETED BY

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(Canine and Feline)

### Primary

- Asymmetrical hepatomegaly exhibiting diffuse non-homogenous nodular parenchyma including target lesion type nodules / small masses
- Intermittent mildly expansive splenic nodules
- Non-edematous gallbladder with possible mild cholecystitis pattern
- Diffuse non-homogeneous hyperechoic omentum and intermittent swollen non-homogeneous mesenteric lymphadenopathy
- Peritoneal effusion

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### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately, multicentric neoplastic criteria is met with effusion potentially secondary to portal hypertension given degree of hepatic pathology or carcinomatosis/ lymphomatosis or similar. FNA cytology of the liver and spleen as well as correlation with effusion analysis could be considered for further clarification and potential for oncology consult. However, an unfavorable prognosis is indicated.

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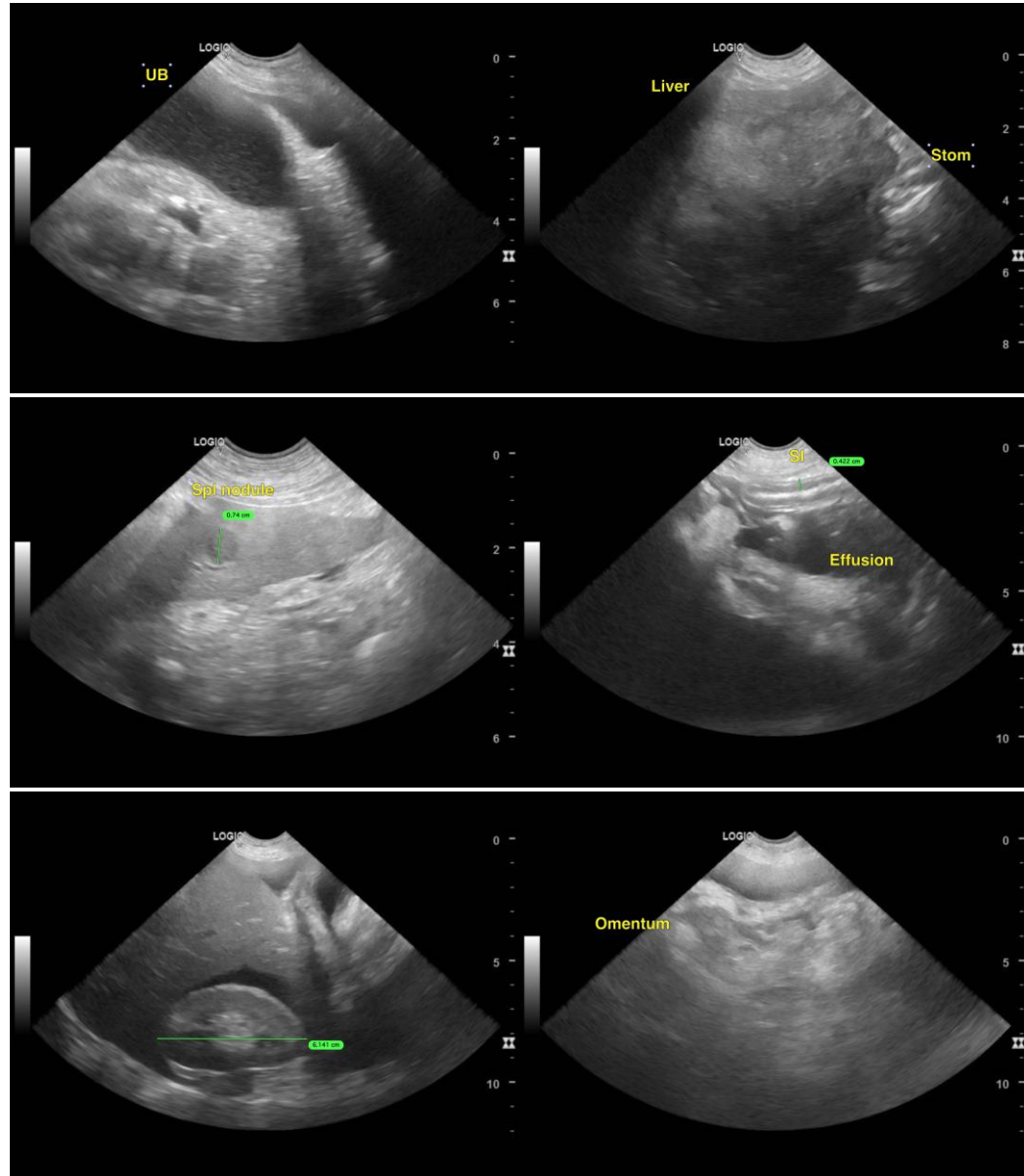
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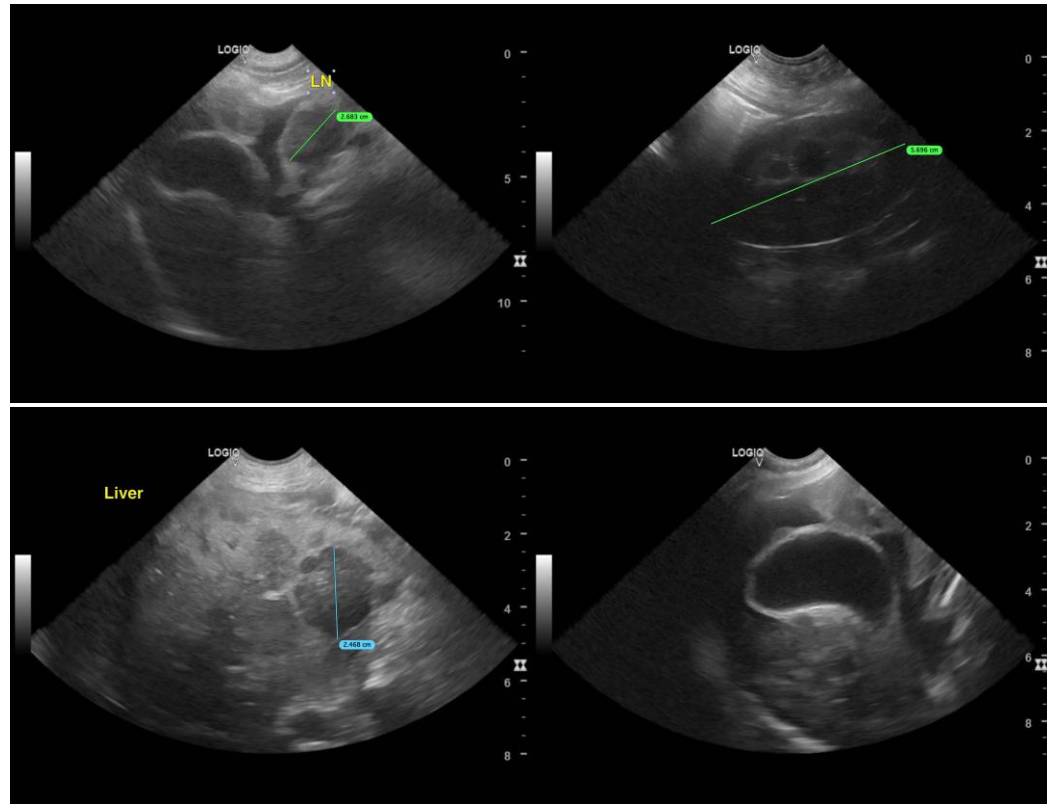
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)  
[info@sonopath.com](mailto:info@sonopath.com)