



## PATIENT

Maggie Keyhan

## SPECIES

Canine

## BREED

Goldendoodle

## SEX

Spayed Female

## AGE

9 Years

## WEIGHT

78 Pounds

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Nicole Hession

## HOSPITAL NAME

VEC of Casselberry

## REFERRING VET

Dr. Bellville

## INVOICE

35698

## DATE

11/29/25

## PRESENTING CLINICAL SIGNS

History: Elevated Liver Enzymes, Thrombocytopenic, Anemic, Pancreatitis, Fever, Decreased Appetite, Incontinent.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### *Urinary System*

The **urinary bladder**, trigone, and pelvic urethra 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 was noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex, and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 8.5 cm. The left kidney measured 8.5 cm.

### *Adrenal Glands*

The **adrenal glands** were normal in size and contour. The left adrenal gland measured 0.79 cm at the caudal pole and 0.66 cm at the cranial pole. The right adrenal gland measured 0.73 cm at the cranial pole and 0.57 cm at the caudal pole.

### *Spleen*

The **spleen** was enlarged and hypoechoic with scalloping contour. Multiple target type lesions were noted in the spleen, with capsular expansion and irregular contour. Generalized splenomegaly was noted.

### *Liver*

The **liver** was significantly heterogenous with coalescing iso- to hypoechoic target lesions with irregular contour. Regional free fluid was noted. The gallbladder and common bile duct were unremarkable.

### *Gastrointestinal*

The **stomach** was static with chyme. Variable gastrointestinal thickening was also noted, likely involved in the neoplastic process.

### *Pancreas*

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some mild parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation, then low-grade smoldering chronic pancreatitis should be suspected.

### *Free Abdomen*



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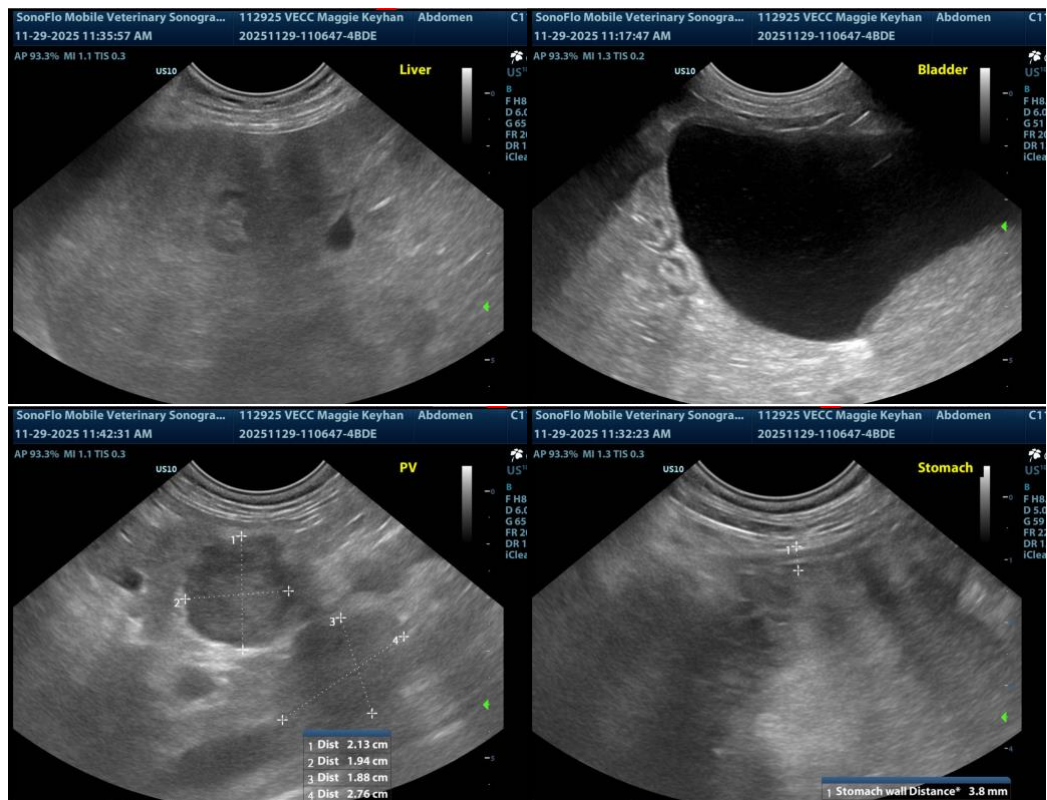
The epigastric **lymph nodes** presented abnormal length to width ratio with distorted, swollen, irregular contour. Parenchymal detail was indiscernible. This is most consistent with lymphoproliferative disease such as lymphoma/round cell neoplasia, metastatic disease, or an aggressive inflammatory process. FNA, cytology and culture are warranted. The lymph nodes measured up to 2.76 cm.

## ULTRASONOGRAPHIC FINDINGS

- Multicentric aggressive round cell neoplastic pattern of the spleen, liver, and lymph nodes.
- Variable gastrointestinal thickening, likely involved in the neoplastic process.
- Age-related pancreatic changes.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Prognosis is poor. Coagulation panel and immediate FNA of the lymph nodes, spleen, and liver is indicated. Immediate chemotherapeutic intervention is necessary.





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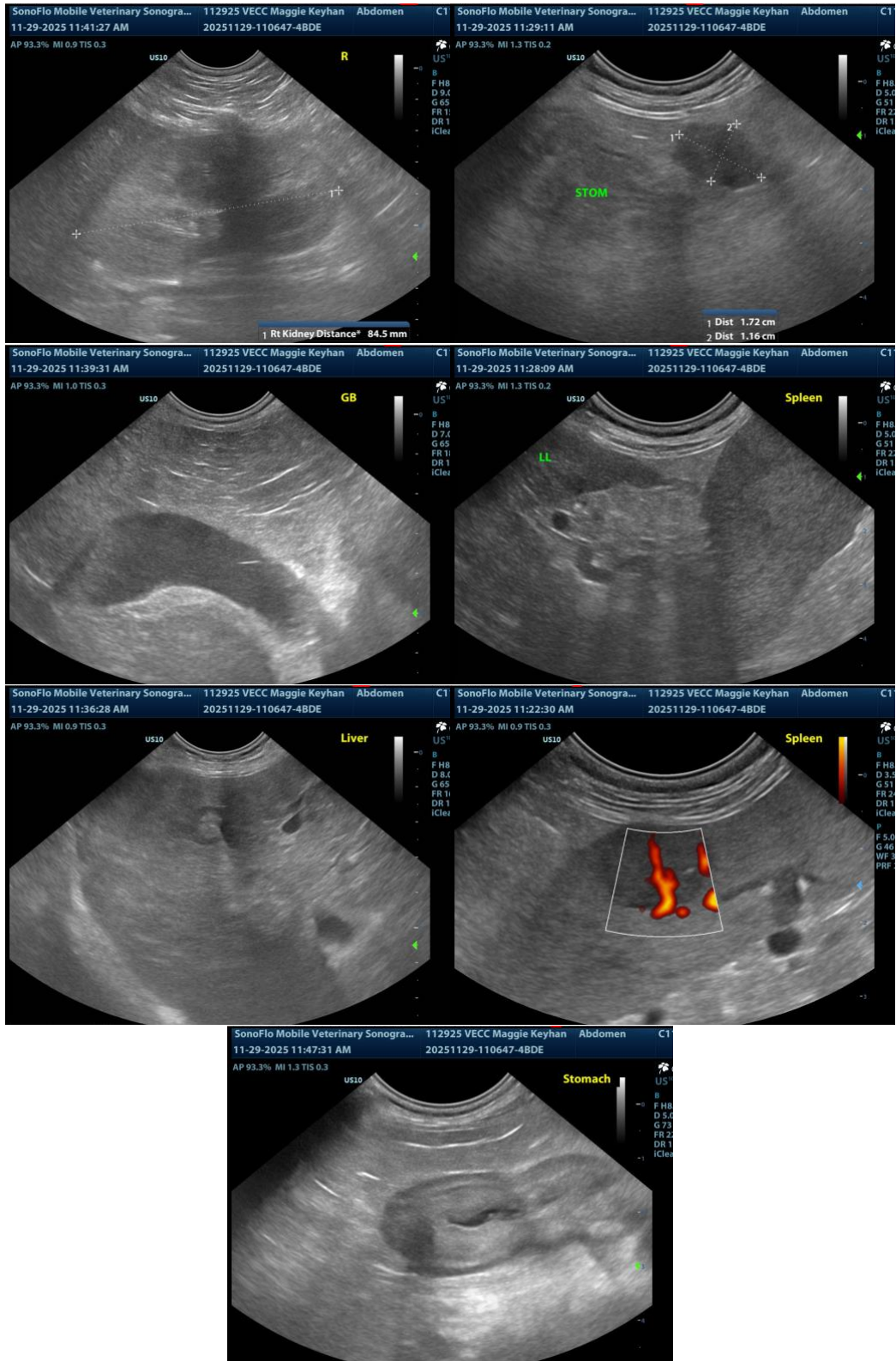
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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[info@SonoPath.com](mailto:info@SonoPath.com)