



## PATIENT

Noah Barale

## SPECIES

Canine

## BREED

Golden Retriever

## SEX

Intact male

## AGE

6 years

## WEIGHT

91.6 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Dr. Schanche

## HOSPITAL NAME

Totalbond VH  
Davidson

## REFERRING VET

Dr. Schanche

## INVOICE

69547

## DATE

12/23/25

## PRESENTING CLINICAL SIGNS

History: 6 year old MI Golden Retriever with history of on and off diarrhea. Energy and appetite are normal at home. Developed diarrhea and came in on Friday. Cranial organomegally palpated and recommended ultrasound evaluation. With the ultrasound found several enlarged abdominal lymph nodes - mostly in the right cranial quadrant between the right kidney and liver. Liver subjectively looked enlarged/ the lobes were more separated than usual and the spleen looked hyperechoic and enlarged. Recommended full abdominal ultrasound with radiology review. Diarrhea has resolved secondary to probiotics and bland diet through the weekend. Aspirated 2 of the abnormal suspect lymph nodes in the abdomen as labeled in the images and are sending to Eastern Veterinary Pathology lab for lymphoma vs. other evaluation and immunohistochemistry staining to determine B vs. T cell if consistent with lymphoma.

Abnormal PE/Chem/CBC/UA Results: Full blood work was overall unremarkable - HCT 48.4, lymphocyte 2.1, Mono 1.095 (mild elevation), SDMA 17, Crt 1.0, BUN 22, T4 1.4 rest wnl. UA pending today.

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. 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 left and right kidney measured 7.0 cm each.

The prostate measured 2.5 cm.

### Adrenal Glands

The **left adrenal gland** was 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 region of the right adrenal gland was unremarkable.

### Spleen

The **spleen** presented a honeycomb type infiltrative pattern with mild, generalized enlargement. This is strongly suggestive for infiltrative disease given the lymphadenopathy. Splenitis is possible, yet less likely.



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## Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

## Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted.

## Pancreas

The **pancreas** revealed mild, hyperechoic remodeling. History of pancreatitis is likely. There was no evidence of active disease.

## Free Abdomen

Multi-focal, hypoechoic lymph node enlargement was noted and measured 2.5 x 1.5 cm and 1.84 cm and 1.92 cm.

## ULTRASONOGRAPHIC FINDINGS

Multi-focal lymphadenopathy and infiltrative splenic pattern.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

22-gauge FNA of the accessible lymph nodes and spleen is strongly recommended. FNA of the liver can be considered even though structurally it appears normal. Hepatic involvement in splenic infiltrative disease is very common. Chest radiographs and focus on cranial mediastinum is also warranted. Lymphoproliferative such as round cell neoplasia/lymphoma is primary concern. Splenitis and lymphadenitis is possible. Cytology and culture would be ideal.



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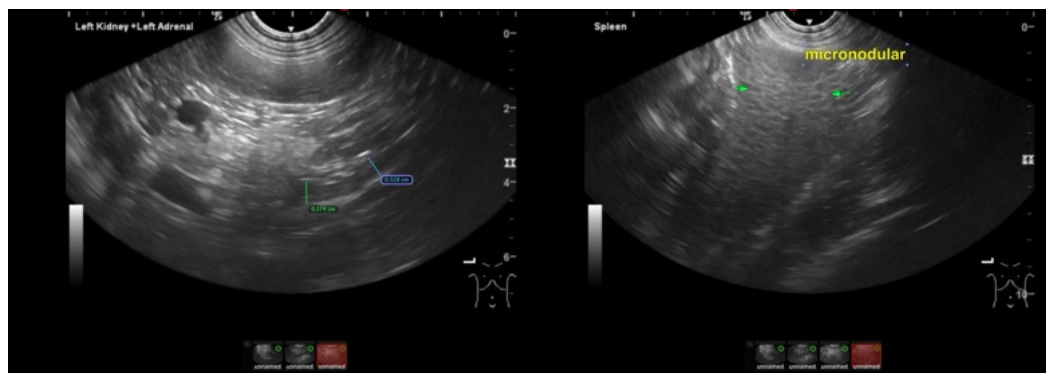
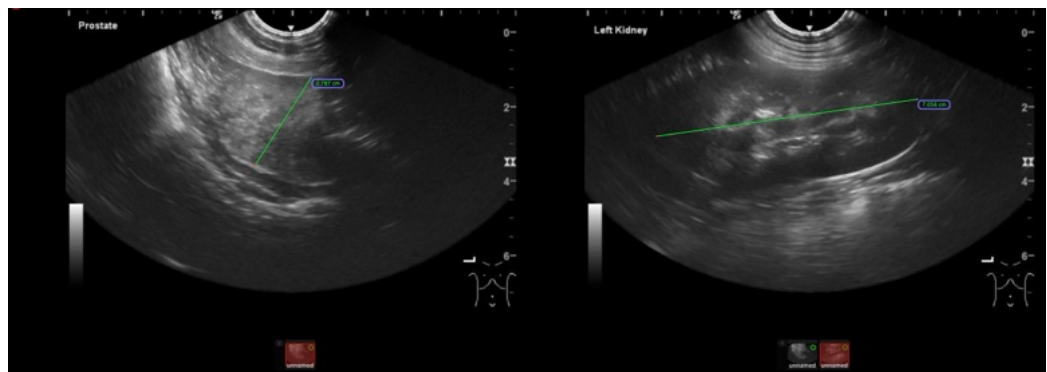
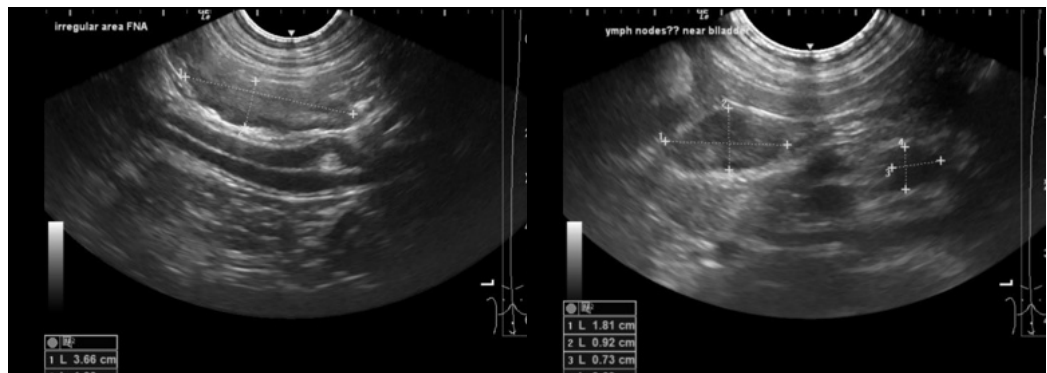
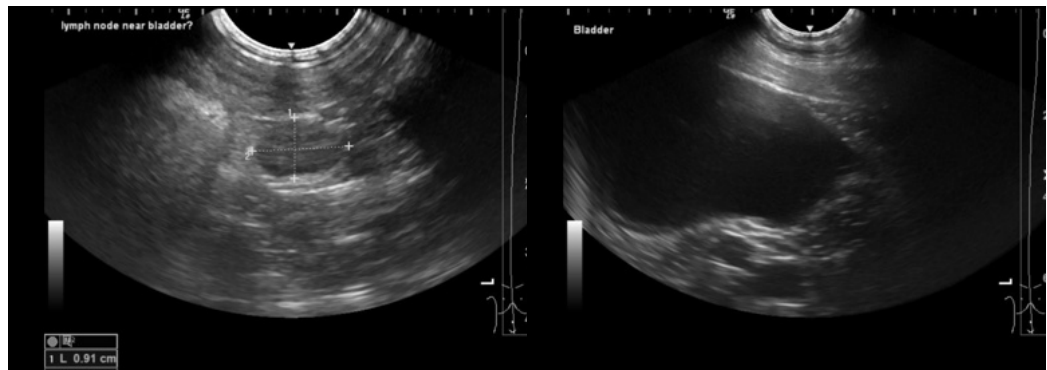
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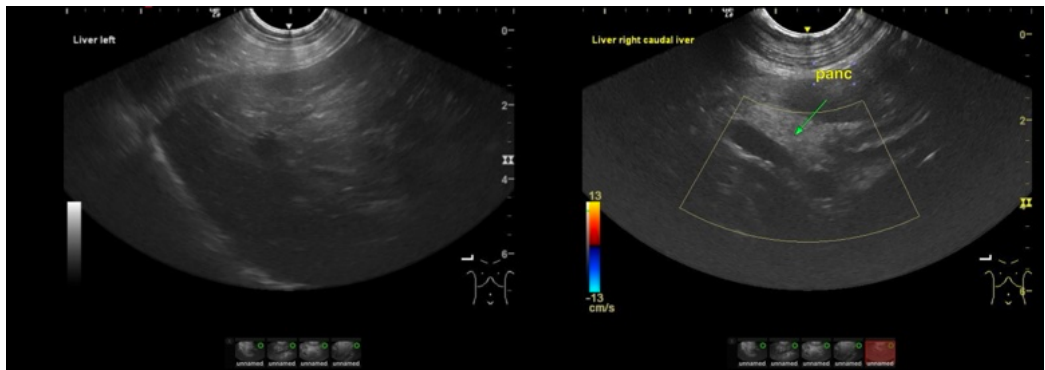
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP (CFM), Cert. IVUSS, CEO of SonoPath.com

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