



PATIENT

Ralphie Livingston

SPECIES

Canine

BREED

Goldendoodle

SEX

Male, intact

AGE

9 Months

WEIGHT

INTERPRETED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

IMAGING PERFORMED BY

Andrea Nicastro, DVM,
Diplomate ACVIM
(Small Animal Internal
Medicine)

HOSPITAL NAME

West Ashley VC

REFERRING VET

Dr. Grayson Hudgens

INVOICE

15168

DATE

8/2/23

PRESENTING CLINICAL SIGNS

The patient has had a persistent neutrophilia and a recent borderline anemia (hematocrit 37%). Appears non-regenerative on in house bloodwork. Chem panel unremarkable. Chest X-rays normal. Otherwise asymptomatic.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder wall is normal in thickness and the mucosal surface is smooth. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and the proximal urethra, visible to a depth of 2 cm, are normal.

The prostate is enlarged (3.71 cm in width) with a normal shape and smooth peripheral contours. The parenchyma is hyperechoic relative to surrounding omental fat and homogeneous in appearance. The prostatic urethra is not overtly dilated.

The left kidney is normal size (6.57 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney is normal size (6.69 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

Adrenal Glands

The left adrenal gland is normal size (0.33 cm at cranial pole) (0.42 cm at caudal pole); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

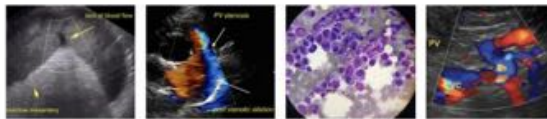
The right adrenal gland is normal size (0.87 cm at cranial pole) (0.64 cm at caudal pole); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

Spleen

The spleen is normal in size (2.06 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

Liver

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed. The gall bladder lumen is moderately



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distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileocecolic junction and colonic wall are normal. No obstructive disease is noted.

Pancreas

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

Free Abdomen

The peritoneal cavity is normal. There is no evidence of inflammation or effusion. A 3.07 x 0.86 cm left medial iliac lymph node is visualized. A few prominent mesenteric lymph nodes are also seen, the largest measuring 2.38 x 0.75 cm. All nodes are normal in shape and echogenicity.

Other

A brief echocardiogram reveals no evidence of pericardial effusion or obvious right atrial/auricular mass.

The testicles are subjectively normal in size (left 3.58 x 2.04 cm; right 3.85 x 2.06 cm) and symmetrical with homogeneous parenchyma.

ULTRASONOGRAPHIC FINDINGS

- The abdominal lymphadenopathy could be consistent with immunologic immaturity, reactive lymphadenitis or lymphoid hyperplasia. Infiltrative neoplasia is possible but considered unlikely.
- The prostate changes are as expected for a young intact male.

*An obvious cause for the patient's lab abnormalities is not identified in this study. Considerations include low-grade infection or inflammation, autoimmune disease, early neoplasia (less likely), other.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- A CBC (send to a diagnostic lab) with reticulocyte count and clinical pathology review are recommended.
- Consider a urine culture and sensitivity to assess for occult infection.
- A comprehensive tick panel, including PCR and serology (submission to North Carolina State University's Vector Borne Disease Diagnostic Lab) is recommended. <https://cvm.ncsu.edu/research/labs/clinical-sciences/vector-borne-disease/>.
- Consider a T4 +/- free T4 by equilibrium dialysis as hypothyroidism can occasionally cause low-

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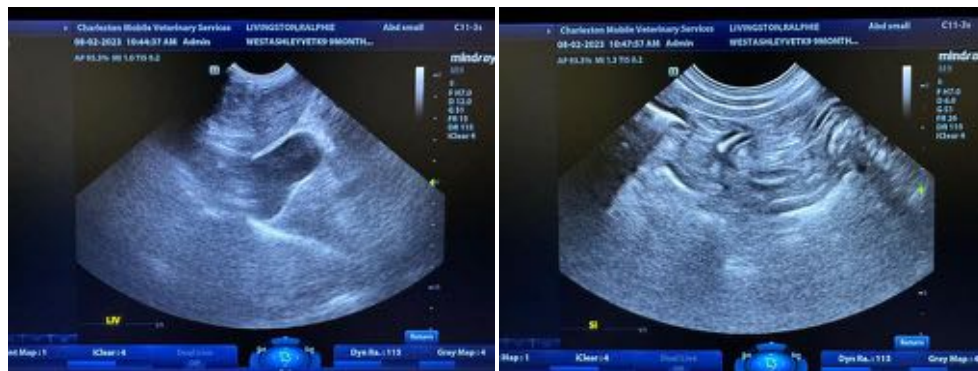
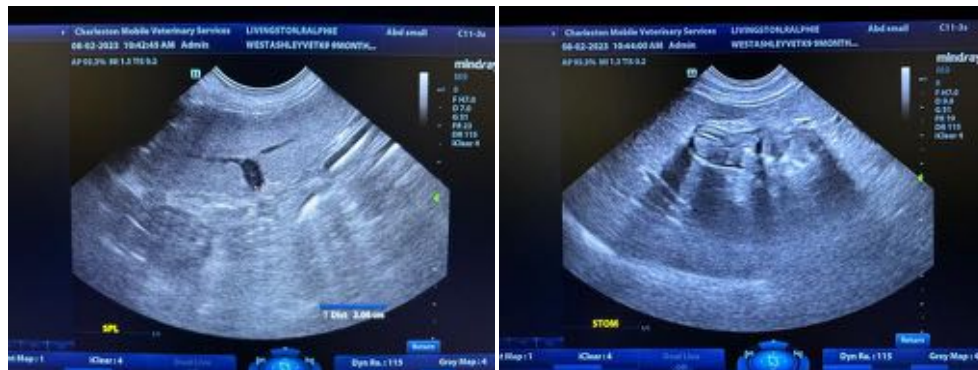
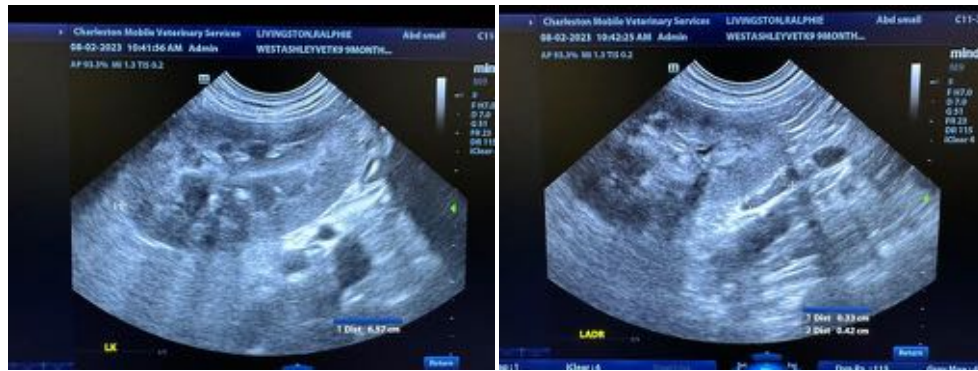
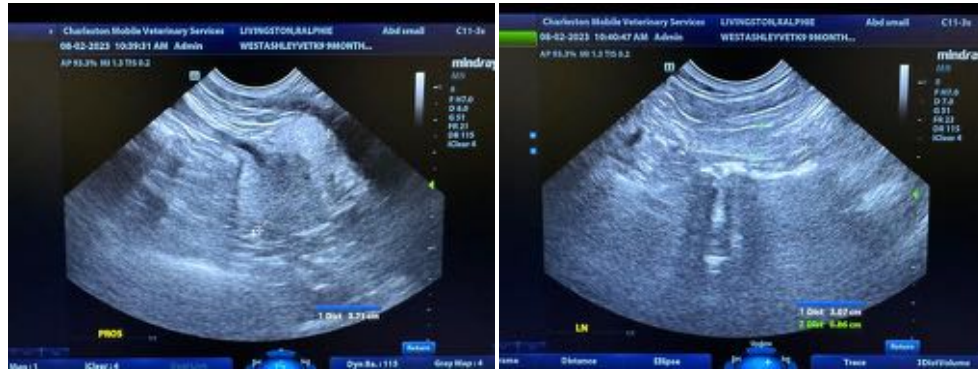
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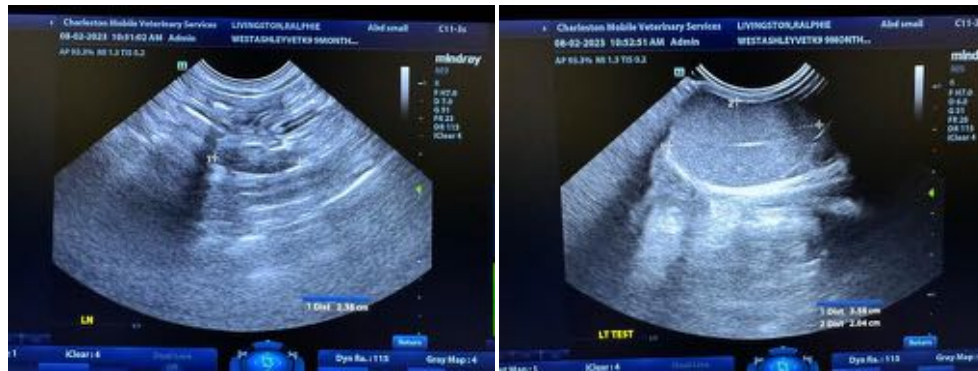
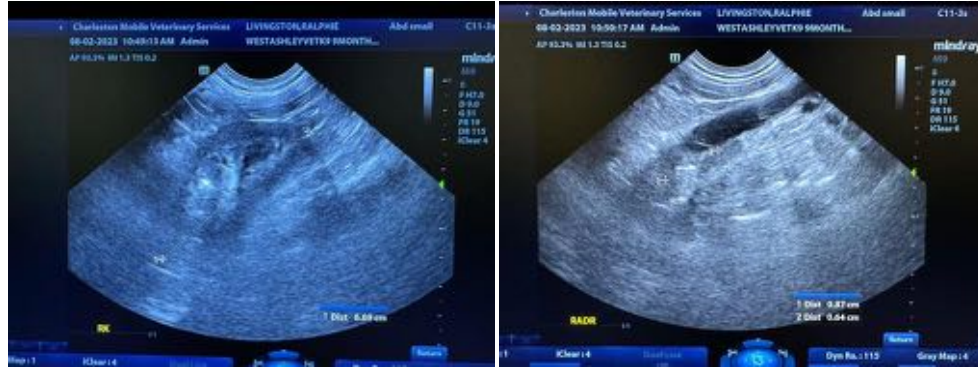
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)
info@SonoPath.com