



PATIENT PRESENTING CLINICAL SIGNS

Biscuit Jaslow 4 day history of inappetence and lethargy. No lab work at this time. Abdominal radiographs-questionable area of concern in the bowel.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

Golen Retriever

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.

SEX

Male, intact

The prostate is mildly enlarged 1.58 cm in width with normal curvilinear peripheral contours. The parenchyma is mildly heterogeneous. No focal lesions are observed. The prostatic urethra is not overtly dilated.

AGE

10.5 months

The left kidney is normal size (6.46 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 hydroureter. Renal vasculature is normal.

WEIGHT

61.8 lbs.

The right kidney is normal size (7.60 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 hydroureter. Renal vasculature is normal.

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal size (0.46 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.

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The right adrenal gland is normal size (0.87 cm at cranial pole) (0.53 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.

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Trinity Island

Spleen

The spleen is prominent in size (2.30 cm in width at the level of the hilus) with normal curvilinear peripheral contours. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

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Liver

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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 portal vein to caudal vena cava ratio is approximately 1:1. The gallbladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common

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PATIENT bile ducts are normal.

Biscuit Jaslow ***Gastrointestinal***

SPECIES 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 segmentally dilated with gas. 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.

Canine

BREED

Golen Retriever

Pancreas

SEX 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.

Male, intact

AGE ***Free Abdomen***

10.5 months There is no obvious evidence of free fluid. A few prominent slightly hypoechoic mesenteric lymph nodes are visualized, the largest measuring 3.58 x 0.95 cm.

WEIGHT ***Other***

61.8 lbs.

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

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ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- The abdominal lymphadenopathy could be consistent with immunologic immaturity, reactive lymphadenitis or lymphoid hyperplasia. Infiltrative neoplasia is possible but considered less likely.
- The splenic parenchymal changes are most consistent with a benign process such as lymphoid hyperplasia, extramedullary hematopoiesis, splenitis or antigenic stimulation with a low possibility of infiltrative neoplasia (i.e., lymphoma, mast cell neoplasia).

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Secondary Findings:

- The prostate changes are as expected for a young intact male.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Baseline lab work including a CBC chemistry panel, urinalysis +/- T4 is recommended.
- If the above results are inconclusive, consider the following:



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SEX

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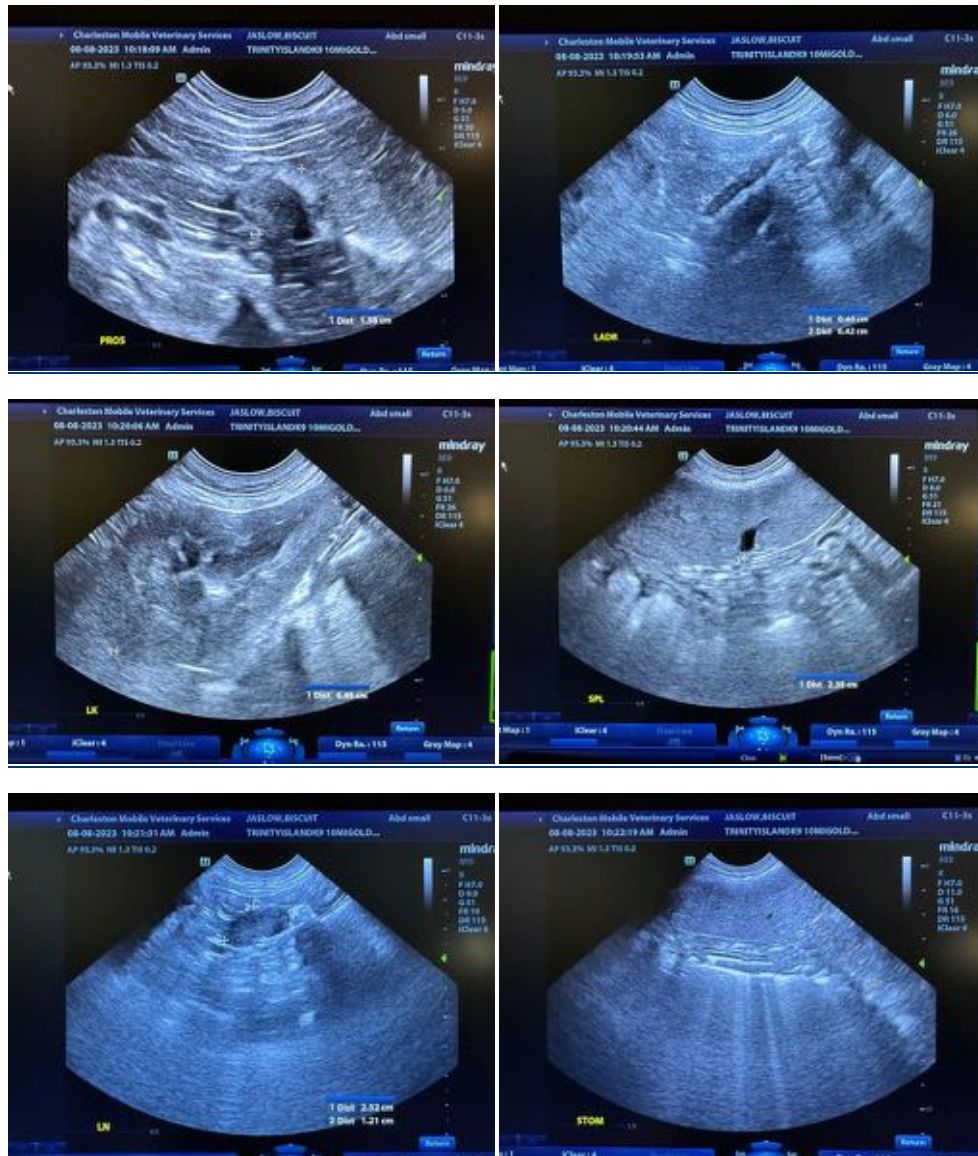
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1. Texas GI panel including serum cobalamin, folate, TLI, PLI and resting cortisol level (patient has recently received cobalamin supplementation, therefore, cobalamin measurement should be performed 3-4 weeks down the road).
2. Fine needle aspiration of the mesenteric lymph nodes.
3. +/- 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/>.





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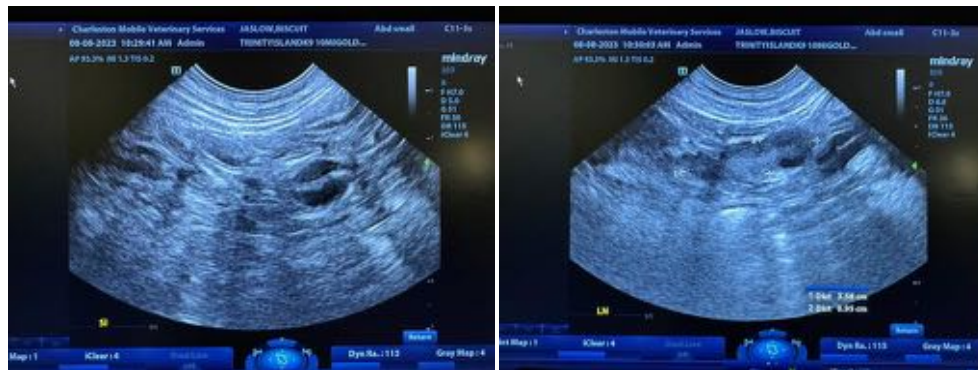
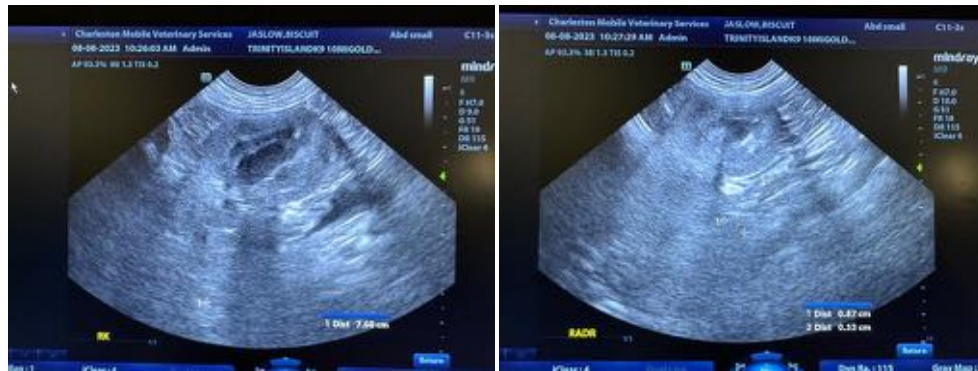
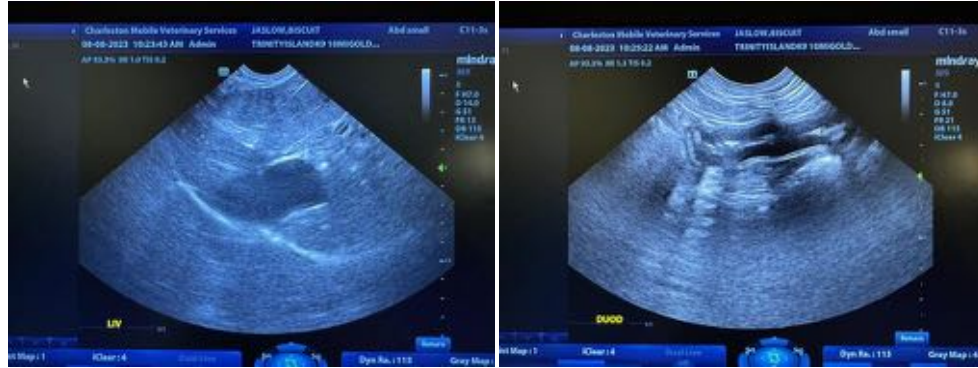
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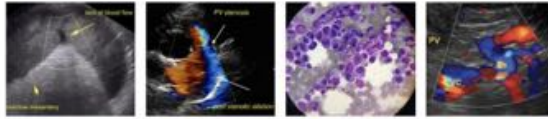
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible



PATIENT in the image/video clips provided.

Biscuit Jaslow 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.

SPECIES

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

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Golen Retriever

SEX

Male, intact

AGE

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WEIGHT

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