

PATIENT PRESENTING CLINICAL SIGNS

Tucker Stout History: acute onset of disorientation and bumping into things this morning when she woke up. Has lost a substantial amount of weight in the last few months. Decreased appetite.

SPECIES

Radiographs were suspicious for splenomegaly and possible sternal lymphadenopathy.

Canine

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Labrador Retr Mix

The urinary bladder wall is normal in thickness. The mucosal surface in the region of the apex is slightly irregular. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

SEX

Spayed Female

The left kidney is normal in size (6.41 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. The cortex is isoechoic relative to the spleen. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

AGE

13 years

WEIGHT

The right kidney is normal in size (6.74 cm in length) with a normal shape, smooth peripheral margins, and normal internal architecture. The cortex is isoechoic relative to the spleen. There is mild loss of corticomedullary distinction. Several hyperechoic shadowing diverticular foci are observed. There is no evidence of pyelectasia, infarcts or hydronephrosis. Renal vasculature is normal.

61.6 lbs

INTERPRETED BY

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

Adrenal Glands

The left adrenal gland is normal in size (0.62 cm at cranial pole) (0.60 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature appear normal.

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The right adrenal gland is in normal size (0.70 cm at cranial pole) (0.51 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature appear normal.

HOSPITAL NAME

Salt Marsh AH

Spleen

The spleen is severely enlarged (up to 4.64 cm width at the level of the hilus) with swollen, slightly undulating peripheral contours. The parenchyma is diffusely mottled and heterogenous in appearance with ill-defined hypoechoic areas. Splenic vasculature appears normal with no evidence of thrombosis.

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Liver

The liver is subjectively normal in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen and slightly mottled in appearance. No distinct focal lesions are observed. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

INVOICE

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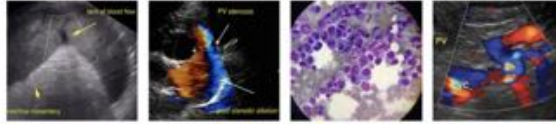
The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of echogenic debris is observed within the lumen. The cystic and common bile ducts are normal/not seen.

DATE

8.7.23

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen contains a small amount of ingesta. 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



PATIENT intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The ileoceocolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.
Tucker Stout

SPECIES *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.
Canine

BREED *Free Abdomen*
Trace free fluid is suspected. Two severely enlarged, rounded, hypoechoic to slightly heterogenous lymph nodes are observed at the aortic trifurcation (the largest measuring 4.17 x 2.09 cm). In addition, several enlarged, rounded, hypoechoic to slightly heterogenous nodules are observed throughout the cranial- to midabdominal cavity.
Labrador Retr Mix

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

AGE 13 years
ULTRASONOGRAPHIC FINDINGS

WEIGHT 61.6 lbs
Primary Findings

- The severe abdominal lymphadenopathy in conjunction with the splenic parenchymal changes are more concerning for infiltrative neoplasia. Lymphoma is the top differential.
- Trace ascites

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Secondary Findings

- Mild bilateral chronic renal changes
- The hepatic parenchymal changes could be consistent with an Inflammatory hepatopathy, minor regenerative nodular hyperplasia, emerging neoplasia, hepatotoxicosis (i.e., copper), other hepatopathy.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Fine-needle aspirates of the spleen and enlarged abdominal lymph nodes can be considered if clotting status is appropriate. Twenty-five gauge-needles should be used.
- Depending on the results, consultation with a board-certified oncologist may be warranted.

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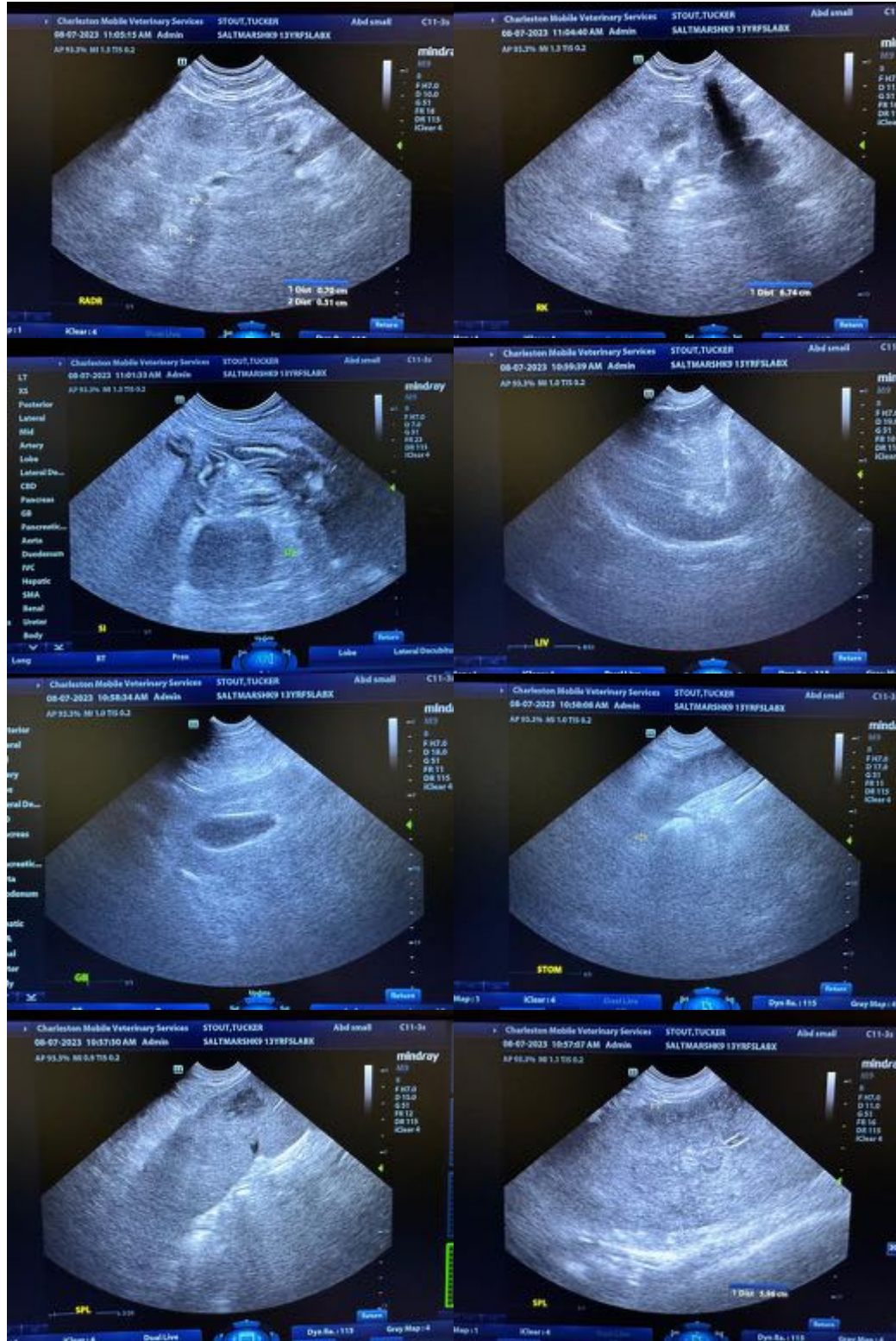
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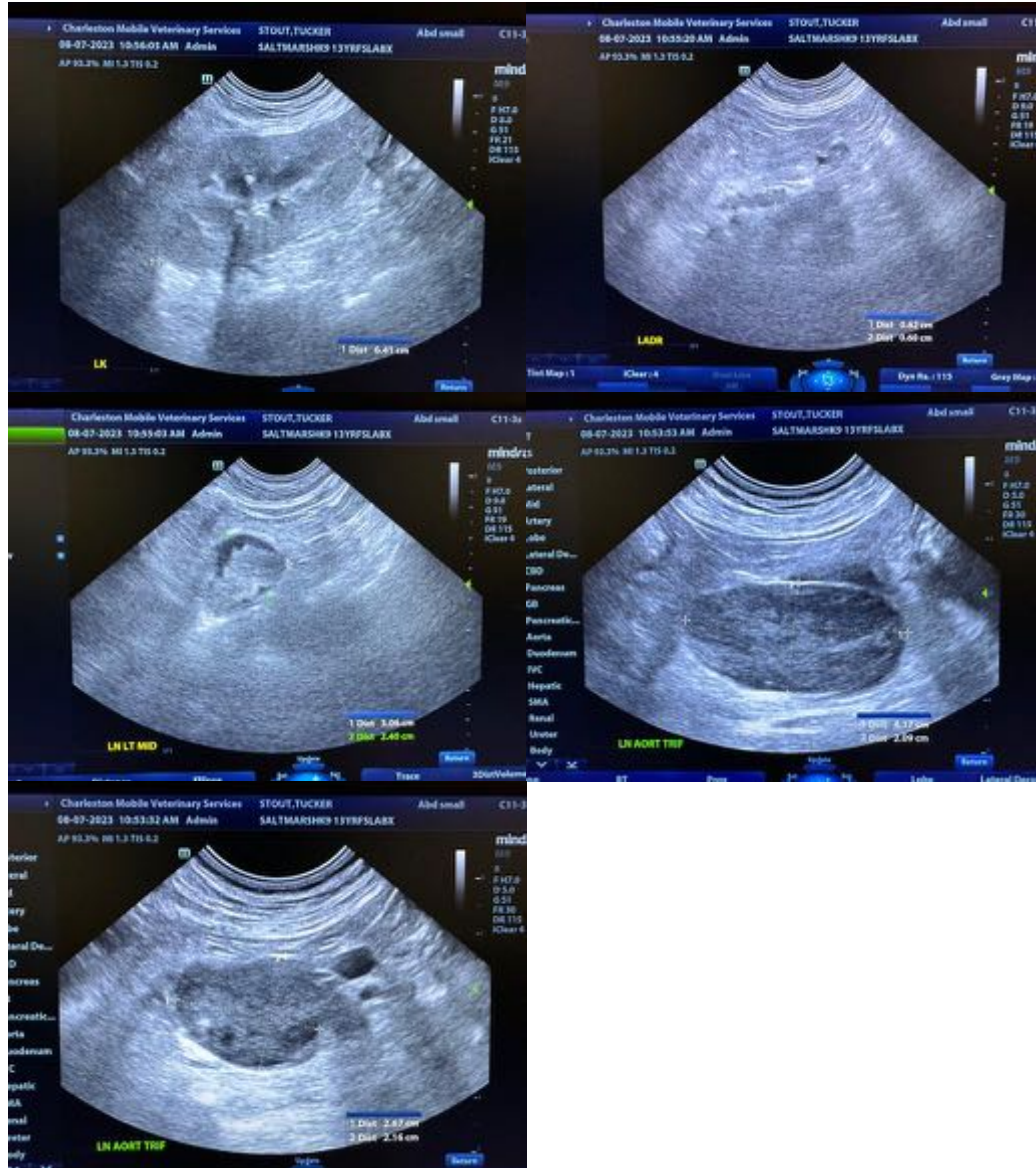
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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