



PATIENT

Bart Harper

SPECIES

Canine

BREED

American Bulldog

SEX

Neutered Male

AGE

12 years

WEIGHT

91.5 lbs

INTERPRETED BY

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

**IMAGING
PERFORMED BY**

Dr. Goodman

HOSPITAL NAME

Evandale-Blue Ash PH

REFERRING VET

Dr. Goodman

INVOICE

10690

DATE

4/5/22

PRESENTING CLINICAL SIGNS

History: Prev hx of MCT. Presented 2/23/22 for annual exam and CBC/Chem/UA to lab. BW showed elevated liver enzymes. Started on amoxicillin (500mg 1 tab BID), metronidazole (500mg, 1 tab BID), and ursodiol (300mg 1 tab SID) for 2 weeks. Rechecked liver enzymes on 3/16/22. Mild changes but not as much as we had hoped. Owner did not want to do denamarin with abx and opted for ultrasound after recheck BW. Patient is doing well at home otherwise, e/d well and acting normal. Patient is still on ursodiol.

Abnormal PE/Chem/CBC/UA Results: 2/2/21: ALT - 81 ALP - 51 GGT - 3 2/23/22: ALT - 168 ALP - 276 GGT - 21 3/16/22: ALT - 121 ALP - 294 GGT - 20

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is mildly distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

The prostate is normal in size (1.19 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

The left kidney presented normal size (7.13 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. One to two small cortical cysts are visualized. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

The right kidney presented normal size (6.94 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.

Adrenal Glands

The left adrenal gland is normal size (0.61 cm at cranial pole) (0.87 cm at caudal pole) (2.38 cm in length); 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 (0.85 cm at cranial pole) (0.88 cm at caudal pole) (3.28 cm in length); 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 (2.40 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.



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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 homogenous in appearance. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion. (See "Other" category).

The gall bladder lumen is moderately distended. The wall is thin and smooth. A small amount of suspended echogenic debris is observed within the lumen. The cystic and common bile ducts are normal.

Gastrointestinal

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is mildly distended with ingesta. The gastric wall and pylorus are normal in thickness with a normal layering pattern. 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 colonic wall is normal. No obstructive or overt infiltrative disease is noted.

Pancreas

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely isoechoic relative to surrounding omental fat and slightly mottled in appearance. The pancreatic duct is visible but not overtly dilated. There is no evidence of peripancreatic inflammation or effusion.

Free Abdomen

There is no evidence of free fluid. The abdominal lymph nodes are normal/not visible.

Other

A 7.78 x 5.83 cm irregular, echogenic swelling/mass is observed between the caudal aspect of the liver and the proximal duodenum. The lesion is similar in echogenic relative to the liver.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- The origin of the swelling/mass in the cranial abdomen is unclear. It may be arising from a liver (i.e., via stalk), pancreas, mesentery, lymph node, other. Neoplasia (i.e., round cell tumor, sarcoma, adenocarcinoma) is possible. However, a benign process cannot be excluded.

Secondary Findings

- Age-related pancreatic remodeling in the right limb.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- If accessible, an aspirate of the swelling /mass in the cranial abdomen can be considered. If the lesion is not accessible, or if cytology results are inconclusive, surgical biopsies may be



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necessary to get a definitive diagnosis. Additionally, liver biopsies, aerobic and anaerobic bile cultures, and acquisition of additional hepatic tissue samples for potential copper quantitation are recommended at the time of surgery.

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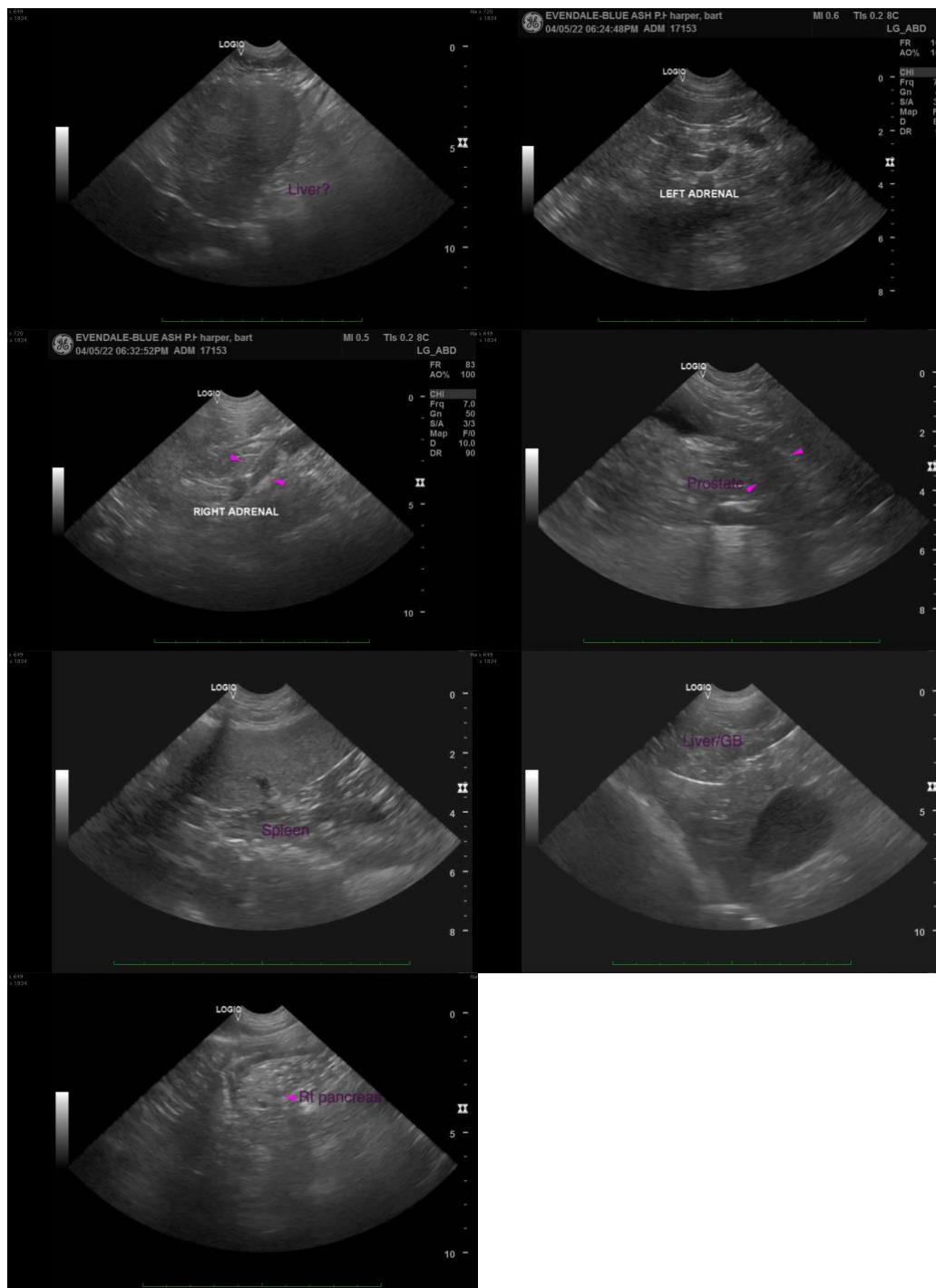
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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info@SonoPath.com

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