



PATIENT PRESENTING CLINICAL SIGNS

Barney Hill Severe pain. RDVM unsure if back or abdominal pain. Has a hx of eating a popsicle stick 2 weeks ago.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

The urinary bladder is mildly distended. The wall is of appropriate thickness for the level of repletion. A small amount of suspended echogenic debris is observed within the lumen. No distinct cystic calculi are observed. The region of the trigone and the visible portion of the proximal urethra are normal.

Beagle

SEX

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

Male, intact

AGE

The left kidney is subjectively normal size with slightly irregular peripheral margins. A 2.25 cm irregular hypoechoic to heterogeneous mass is observed at the cranial pole. In the remainder of the kidney, there is a normal 1:3 cortex: medullary ratio with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

7 Yrs.

WEIGHT

The right kidney is normal size (5.60 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis.

38 lbs..

Adrenal Glands

INTERPRETED BY

The left adrenal gland is normal size (0.42 cm at cranial pole) (0.45 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.

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

The region of the right adrenal gland is evaluated. No obvious pathology is observed.

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Spleen

A Waffle

The spleen is normal in size (1.43 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.

HOSPITAL NAME

Liver

Torch Lake VC

The liver is subjectively normal to slightly prominent in size with normal curvilinear peripheral contours. The parenchyma is hypoechoic relative to the spleen. An approximately 5 cm heterogeneous mass is observed deep on the right side, adjacent to the diaphragm. The remaining parenchyma is homogeneous. Vascular and biliary tracts are of normal volume with no evidence of congestion. The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

REFERRING VET

Dr. Pantenburg

INVOICE

Gastrointestinal

14376

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

DATE

12/20/22



PATIENT

Barney Hill

thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive disease is noted.

Pancreas

SPECIES

Canine

The right limb of the pancreas is visible with normal curvilinear peripheral contours. The parenchyma is largely hyperechoic 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.

BREED

Beagle

Free Abdomen

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

SEX

Male, intact

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Large right hepatic mass. Neoplasia (i.e., adenocarcinoma, round cell tumor) is suspected with a lower possibility of a large focal inflammatory process.
- Left renal mass. This lesion is concerning for metastatic lesion with a lower possibility of a benign process (i.e., inflammatory). Bilateral, mild age-related renal changes are present.

Secondary Findings:

- The pancreatic changes are most consistent with age-related parenchymal remodeling, potentially secondary to a prior inflammatory episode, early fibrosis or chronic pancreatitis.
- The prostate changes are most consistent with benign prostatic hyperplasia. Bacterial prostatitis is also a differential but considered unlikely in the absence of lower urinary tract signs.

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Medicine)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Consider fine needle aspirates of the hepatic +/- left renal mass, if clotting status is appropriate. 25 gauge needles should be used. If cytology results are inconclusive or if the lesions are not accessible, further diagnostics (i.e., abdominal CT scan, surgical biopsies) can be considered. However, there is a strong possibility of metastatic disease and a guarded prognosis.

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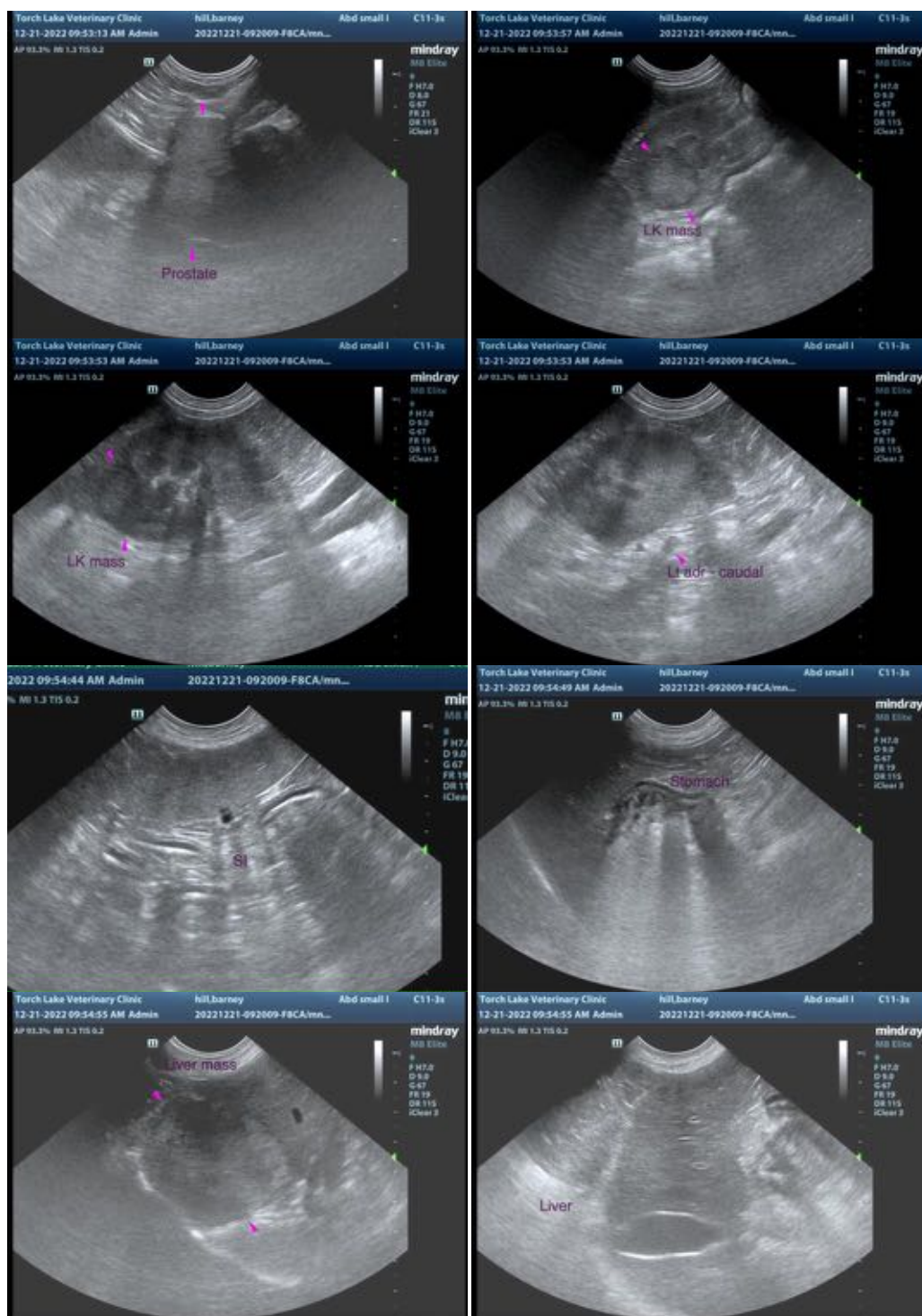
Dr. Pantenburg

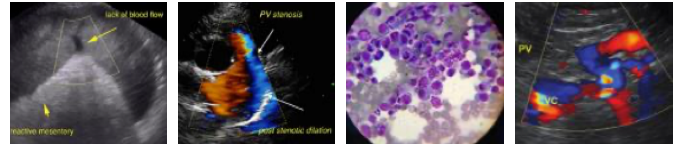
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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