



PATIENT PRESENTING CLINICAL SIGNS

Ivan Dibeler

History: history of chronic intermittent GI issues (diarrhea mostly, occasionally vomit), Chronic mild elevated liver enzymes Has grade 4/5 murmur and significant dental disease an ultrasound performed elsewhere 10/2020 results: Assessment: > The non-uniform hyperechoic marbling of the hepatic parenchyma could represent fibrosis, early cirrhosis, regions of fatty deposition/vacuolar change > The poorly defined 2 cm round structure between the diaphragm and the gallbladder could represent a region of nodular hyperplasia or a hepatic mass. Differentials to consider for the latter include hepatoma, hepatic adenocarcinoma, round cell neoplasia. Additional imaging with CT should be considered for further evaluation. > Small amount of abnormal content within the gallbladder lumen, no current evidence of organization typical of a mucocele -There could be concurrent cholangitis or cholangiohepatitis > Left renal pelvic distention with echogenic debris adherent to the portion of the wall. These changes can be indicative of pyelonephritis. No overt evidence of ureteral distention however the ureters are not imaged. > Splenic mass with small cavitated region. No current evidence of peritoneal effusion. -Differentials to consider include nodular hyperplasia, hematoma, neoplasia > Non-specific mild gastric ileus and non-specific colitis
Most recent ALT- 206, ALKP- 656, cholesterol- 362 (mild elevation)

SPECIES

Canine

BREED

Chinese Crested
Chihuahua

SEX

Neutered male

AGE

11 ½ years

WEIGHT

15.5 lbs

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. Both kidneys measured 4.5 cm.

IMAGING PERFORMED BY

Dr. Myers

Adrenal Glands

HOSPITAL NAME

Hershire AH

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 0.6 cm at the cranial pole and 0.4 cm at the caudal pole.

REFERRING VET

Dr. Myers

Spleen

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The **spleen** revealed a 1.5 cm, mixed echogenic nodule at the caudal pole. The remainder of the spleen was unremarkable.

DATE

12/16/21

Liver

The **liver** revealed mild coarse architecture with increased portal markings. Mild, irregular swelling was noted in the left liver. There is mild disruption of architecture. This is consistent with hepatoma or



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benign swelling. However, FNA or biopsy is recommended at the time of splenectomy. The liver is consistent with low-grade, non-specific inflammatory hepatopathy. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.

SPECIES

Canine

Gastrointestinal

BREED

Chinese Crested
Chihuahua

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SEX

Neutered male

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

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ULTRASONOGRAPHIC FINDINGS

WEIGHT

15.5 lbs

Concerning splenic nodule. Differentials include hemangiosarcoma, round cell neoplasia. Pronounced hyperplasia is possible; however, capsular deviation is concerning as well as the echotexture of the lesion.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Mild, irregular hepatic swelling. Likely benign hepatopathy with hepatoma.

IMAGING PERFORMED BY

Dr. Myers

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend rapid echocardiogram to assess the right auricle and pericardium for metastatic disease as well as three view chest radiographs followed by splenectomy, liver inspection and biopsy or left liver lobectomy.

HOSPITAL NAME

Hershire AH

REFERRING VET

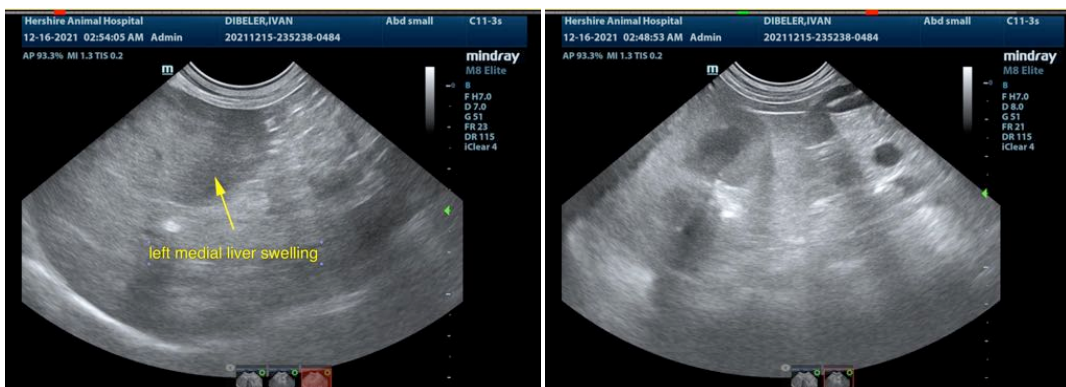
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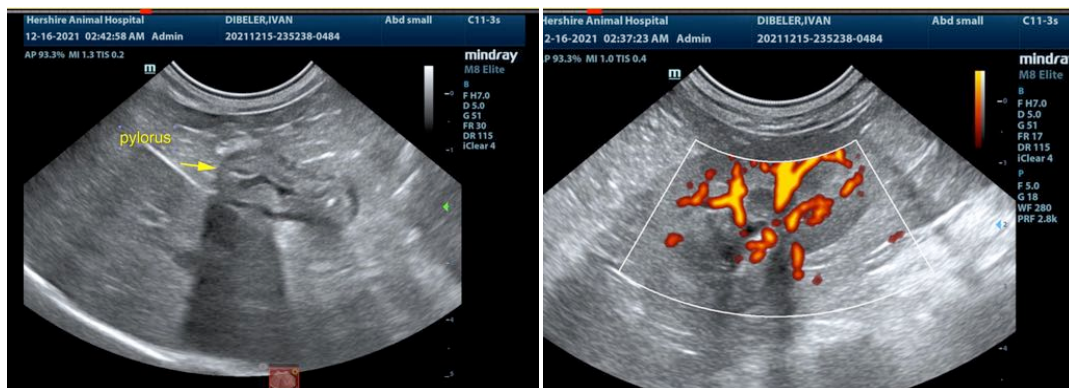
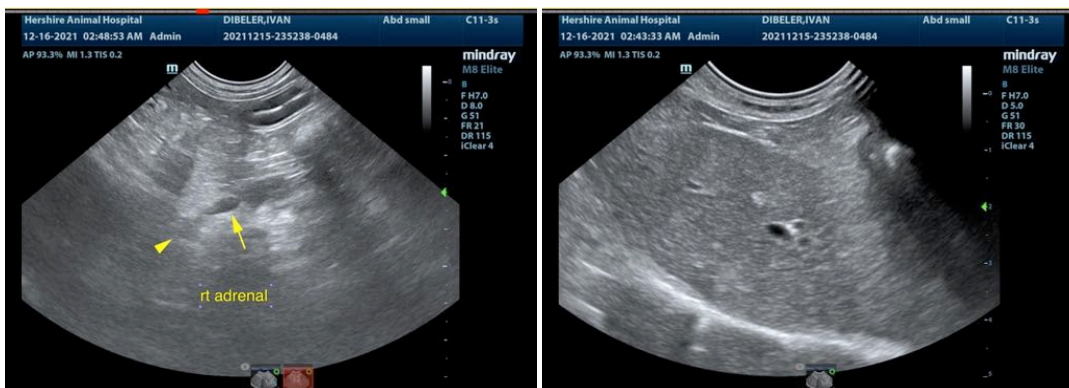
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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