



PATIENT

Rambo Heitman

PRESENTING CLINICAL SIGNS

Mildly elevated ALT, clinically ok. No current meds.
Abnormal PE/Chem/CBC/UA Results: ALT 150, chol 433.

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Boston Terrier

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.

SEX

Neutered male

The residual prostate was uniform and measured 0.75 cm.

AGE

9 years

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 5.67 cm. The left kidney measured 5.47 cm.

WEIGHT

31 lbs

Adrenal Glands

The **adrenal glands** appeared slightly enlarged and swollen. No evidence of focal capsular expansion or invasion into the phrenic veins was noted. No overt suspicion of neoplasia was noted. This is considered likely a hyperplastic change associated with stress or adrenal endocrinopathy (PDH). If isosthenuria is persistently present and the patient morphologically suggests Cushing's disease then ACTH testing would be indicated. The right adrenal gland measured 2.14 x 1.27 cm at the cranial pole and 0.94 cm at the caudal pole. The left adrenal gland measured 2.75 x 1.07 cm at the caudal pole and 1.09 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING

PERFORMED BY

Kelly Vazquez, CVT

Spleen

HOSPITAL NAME

Animal General on
Hudson

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

REFERRING VET

Dr. Ng

Liver

INVOICE

95766

The **liver** revealed coarse architecture and mildly increased portal markings. Occasional, non-disruptive nodular changes were noted in the liver. The gallbladder and common bile duct were unremarkable.

DATE

2/2/22



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Gastrointestinal

Rambo Heitman

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. The stomach was filled with ingesta. 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.

SPECIES

Canine

BREED

Pancreas

Boston Terrier

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.

SEX

Neutered male

ULTRASONOGRAPHIC FINDINGS

AGE

9 years

Non-specific, mild to moderate chronic inflammatory hepatopathy with nodular changes.

Bilateral adrenal hypertrophy.

WEIGHT

31 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

If the urine specific gravity is less than 1.020 then work-up for PDH is indicated. Bile acid profile is warranted. Ultrasound-guided FNA can be considered for further definition of inflammatory cell type and long term management. If the bile acids are elevate then core liver biopsy would be appropriate. A clinical trial of Amoxicillin and Metronidazole over a 10 day period with liver oriented diet and reassessment of the clinical status could also be considered. However, the changes noted in the liver are likely more from past inflammatory events as opposed to active inflammation. However, FNA would help to further define this.

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IMAGING PERFORMED BY

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HOSPITAL NAME

Animal General on Hudson

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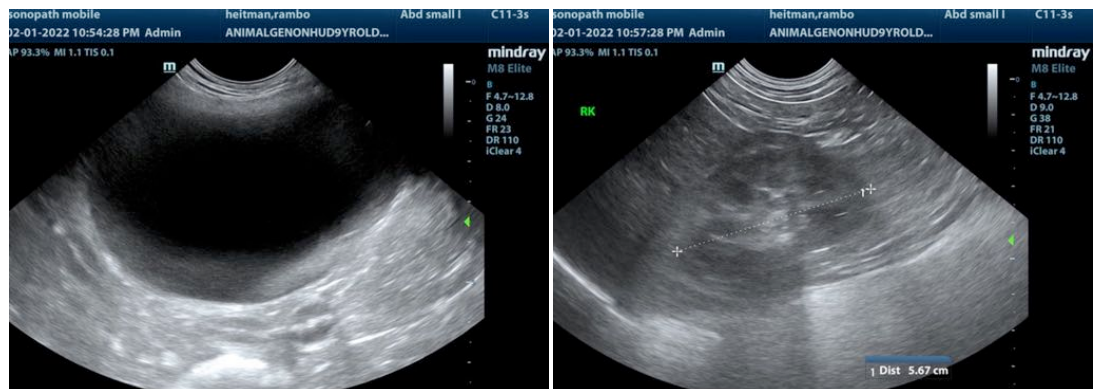
Dr. Ng

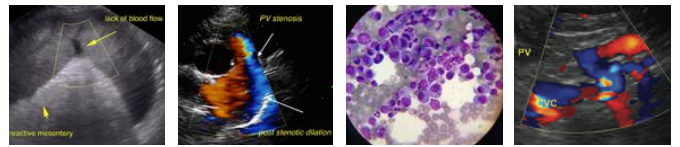
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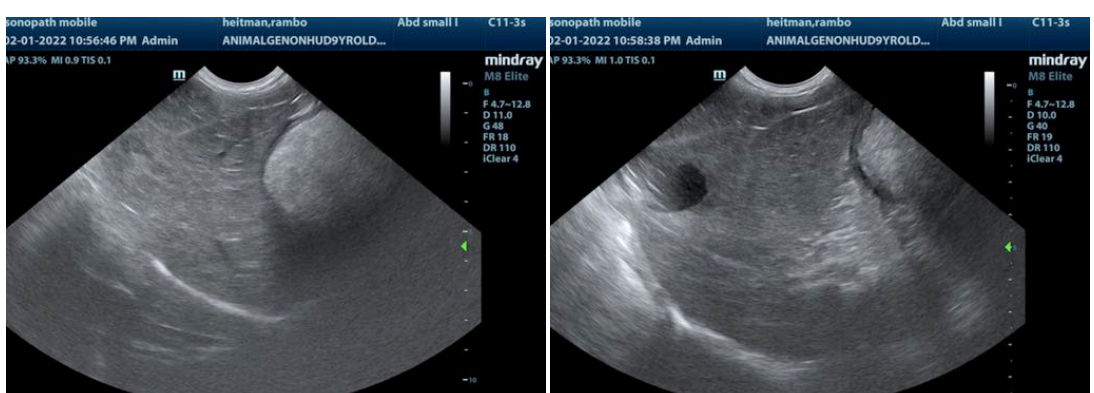
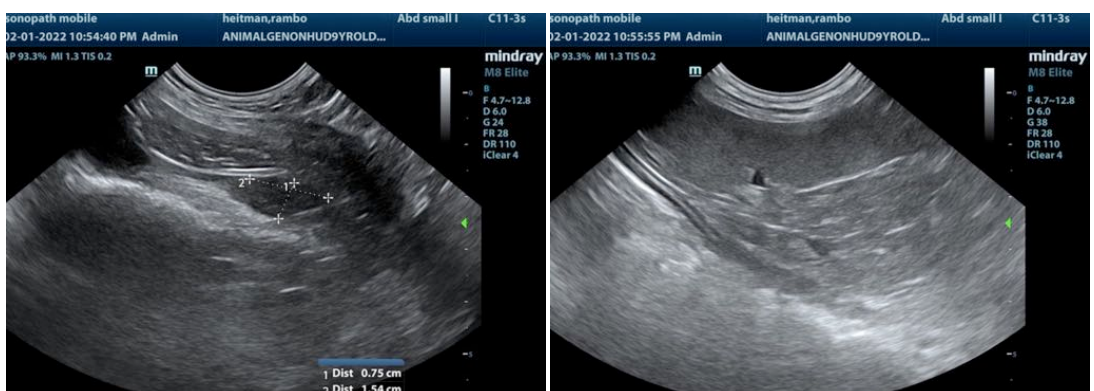
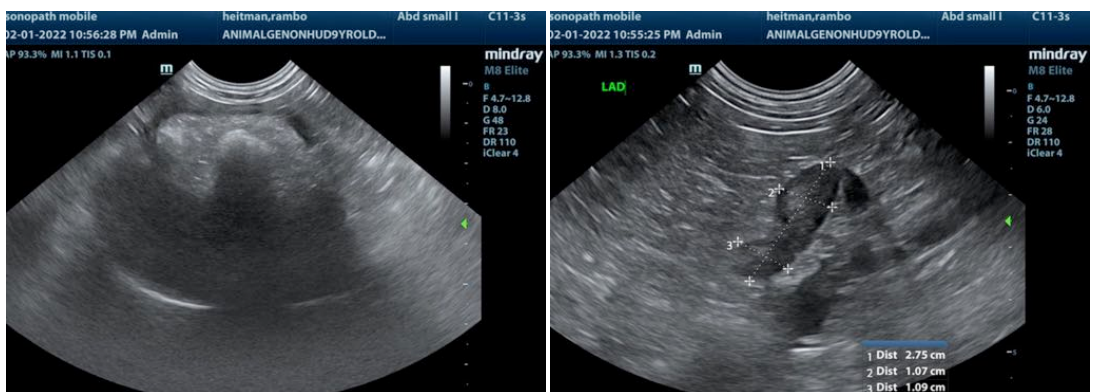
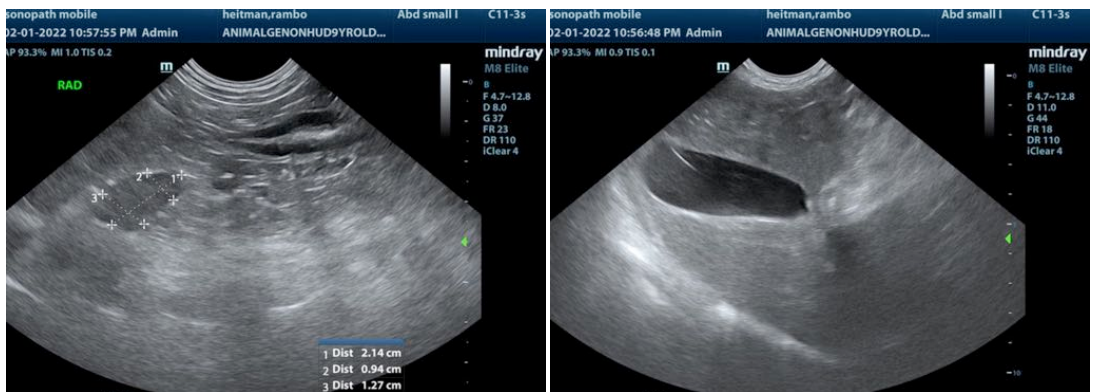
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

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SEX

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