



PATIENT PRESENTING CLINICAL SIGNS

Bramble Lloyd Smith

History: Presented to local emergency hospital 2 days ago for vomiting, lethargy, and not eating. Radiographs performed at that time were unremarkable, treated symptomatically. Vomiting stopped. Not eating well (small amounts of canned food), energy level is low, owner is concerned for uncomfortable abdomen. Up to date on vaccines and on parasite prevention.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: T = 39.3 (low grade fever), otherwise unremarkable exam, doesn't appear painful in abdomen. CBC/Biochem normal. U/A - 1+ wbc, 1+ rbc, sperm, USG 1.036

BREED

Gordon Setter

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Male

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.

AGE

1 ½ years

The **prostate** was uniformly enlarged with lobar swelling appeared to impinge upon the urethra and mildly deviate the descending colon. The prostatic tissue was hyperechoic containing focal areas of decreased echogenicity. These changes are suggestive of either chronic inflammatory episodes, benign cystic pathology or both. Underlying neoplasia cannot be completely ruled-out but is lower on the differential list. This presentation is most consistent with benign prostatic hyperplasia with possible active prostatitis. Neutering or off-label Finasteride (Propecia) (0.1-0.5 mg/kg Sid) treatment is indicated +/- FNA or prostatic wash cytology and culture. The prostate measured 3.0 cm.

WEIGHT

27.5 kg

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. The left kidney measured 7.0 cm. The right kidney measured 7.0 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Elyse Hauer

HOSPITAL NAME

Mariposa VH

Adrenal Glands

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 left adrenal gland measured 0.5 cm. The right adrenal gland measured 1.0 cm at the cranial pole and 0.5 cm at the caudal pole.

REFERRING VET

Dr. Hauer

Spleen

The **spleen** was mildly enlarged and uniformly folded upon itself cranially. This is likely a reactive state. Subtle micronodular changes were noted.

INVOICE

42593

Liver

DATE

2/7/23

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of



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normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

SPECIES

Canine

Gastrointestinal

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.

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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.

AGE

1 ½ years

ULTRASONOGRAPHIC FINDINGS

WEIGHT

27.5 kg

Mild splenic enlargement, likely reactive state.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

There was no other evidence of structural disease. Enterotoxin, parasitic disease, infectious disease with GI effector organ issues are all possible. Baseline cortisol is warranted to rule out underlying Addison's; however, structurally adrenal glands appear normal and I doubt that Addison's is an issue.

IMAGING PERFORMED BY

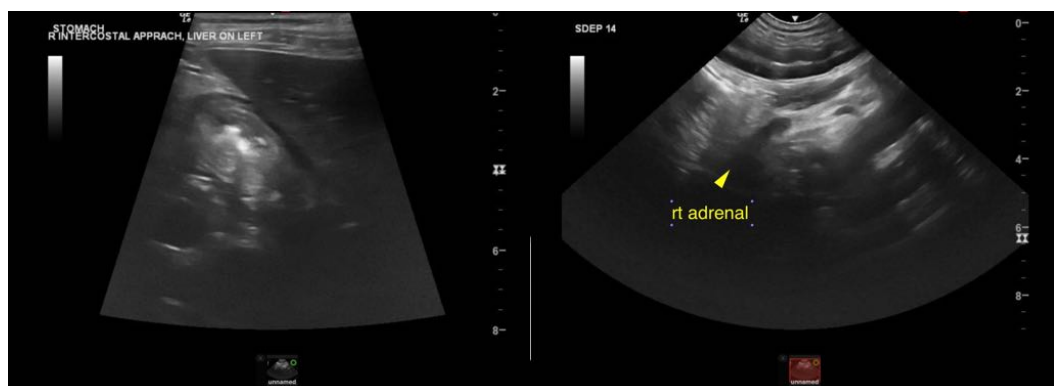
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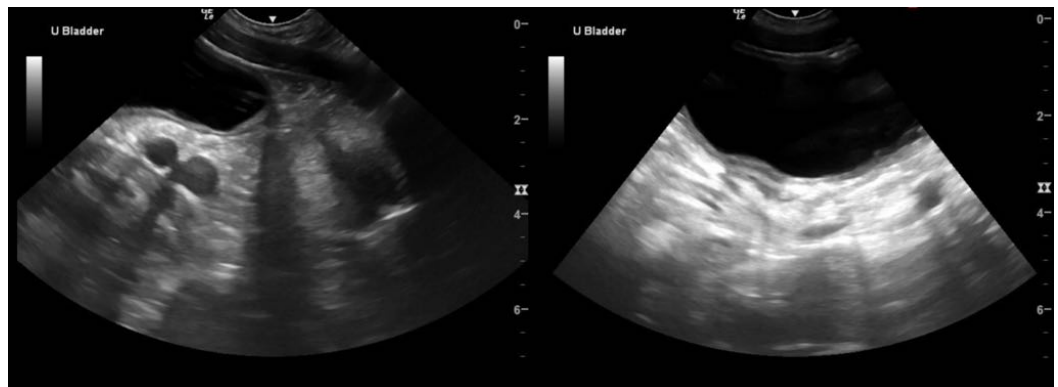
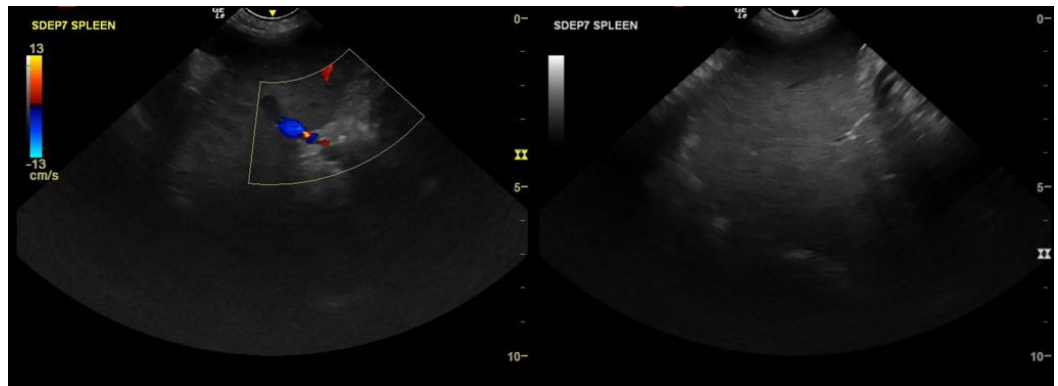
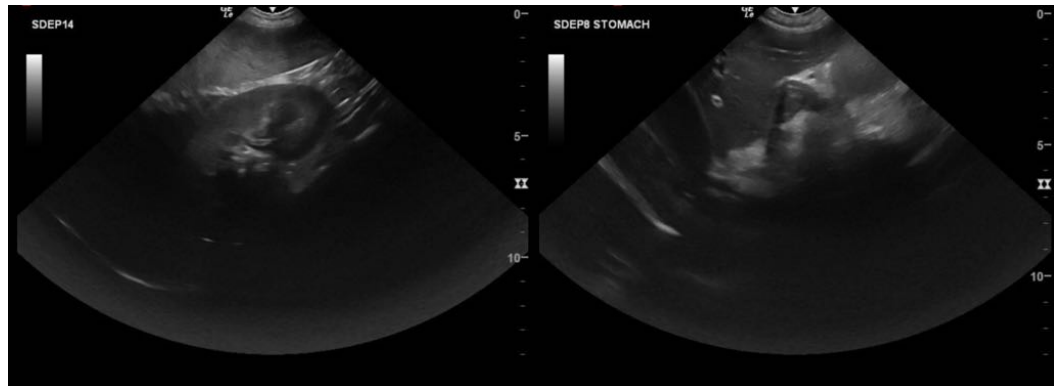
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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