



PATIENT PRESENTING CLINICAL SIGNS

Brutus Puls hematuria
Abnormal PE/Chem/CBC/UA Results: hematuria Current Medications Baytril

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

BREED

Rottweiler

SEX

Intact Male

AGE

2 Years

WEIGHT

115 Pounds

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 were noted. Ureteral papillae were normal.

The prostate was enlarged with minor deviation of the descending colon noted. The prostate measured 6.0 cm with a 1.0 cm anechoic cyst in the cranial aspect of the right lobe. A separate 1.0 cm cyst was noted in the mid prostate. Minor edema lines noted, suggestive for prostatitis.

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 8.24 cm. The right kidney measured 8.65 cm.

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 right adrenal gland measured 3.63 cm x 2.14 cm at the cranial pole and 1.03 cm at the caudal pole. The left adrenal gland measured 3.16 cm x 0.55 cm at the caudal pole and 0.87 cm at the cranial pole.

Spleen

The **spleen** was uniformly enlarged with relatively uniform parenchyma without evidence of masses. The capsule was mildly swollen. This is most consistent with hypersplenism and reactive hyperplasia deriving from splenic white or red pulp. However, early infiltrative disease, such as lymphoma or mast cell neoplasia can, at times, present in this manner but not suspected. 25g US-guided FNA would be best in order to ensure only reactive hyperplasia is present. If clinical signs fit with potential neoplasia or mast cell disease, then Benadryl injection (1 mg/pound IM) 15 minutes prior to FNA would be recommended.

Liver

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 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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Q Street AH

REFERRING VET

Dr. Hoerauf

INVOICE

38080

DATE

5/27/22



PATIENT *Gastrointestinal*

Brutus Puls 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.

SPECIES

Canine

Pancreas

BREED

Rottweiler

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

Intact Male

ULTRASONOGRAPHIC FINDINGS

- BPH prostatitis pattern with cysts
- Unremarkable abdomen otherwise

AGE

2 Years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Neutering should prove effective in this patient. Hematuria is likely deriving from the prostate. If neutering is absolutely not an option, then a clinical trial of the following could be considered.

WEIGHT

115 Pounds

Off-label Finasteride (Propecia) (0.1-0.5 mg/kg Sid) treatment is indicated +/- FNA or prostatic wash cytology and culture.

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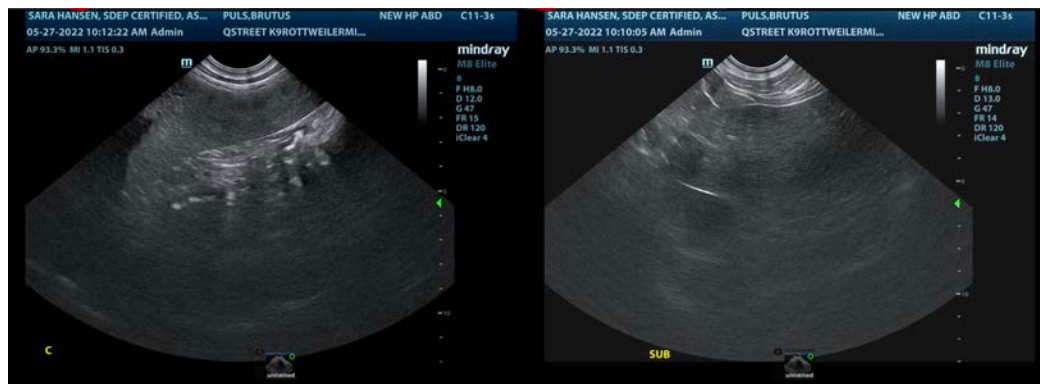
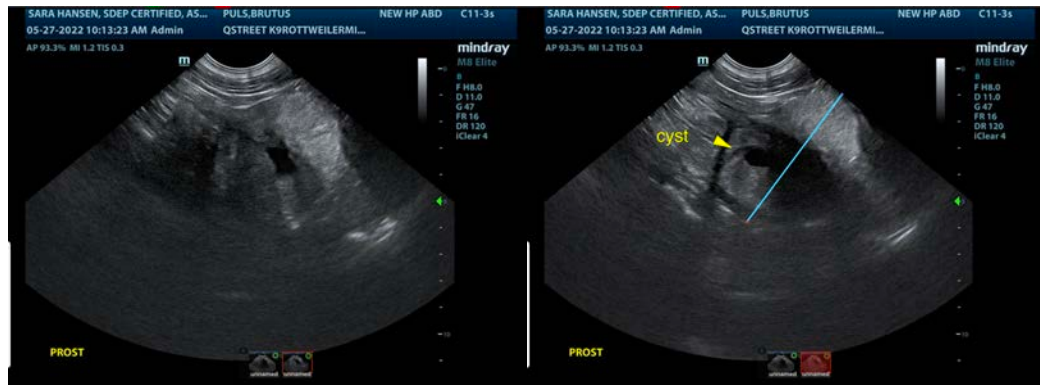
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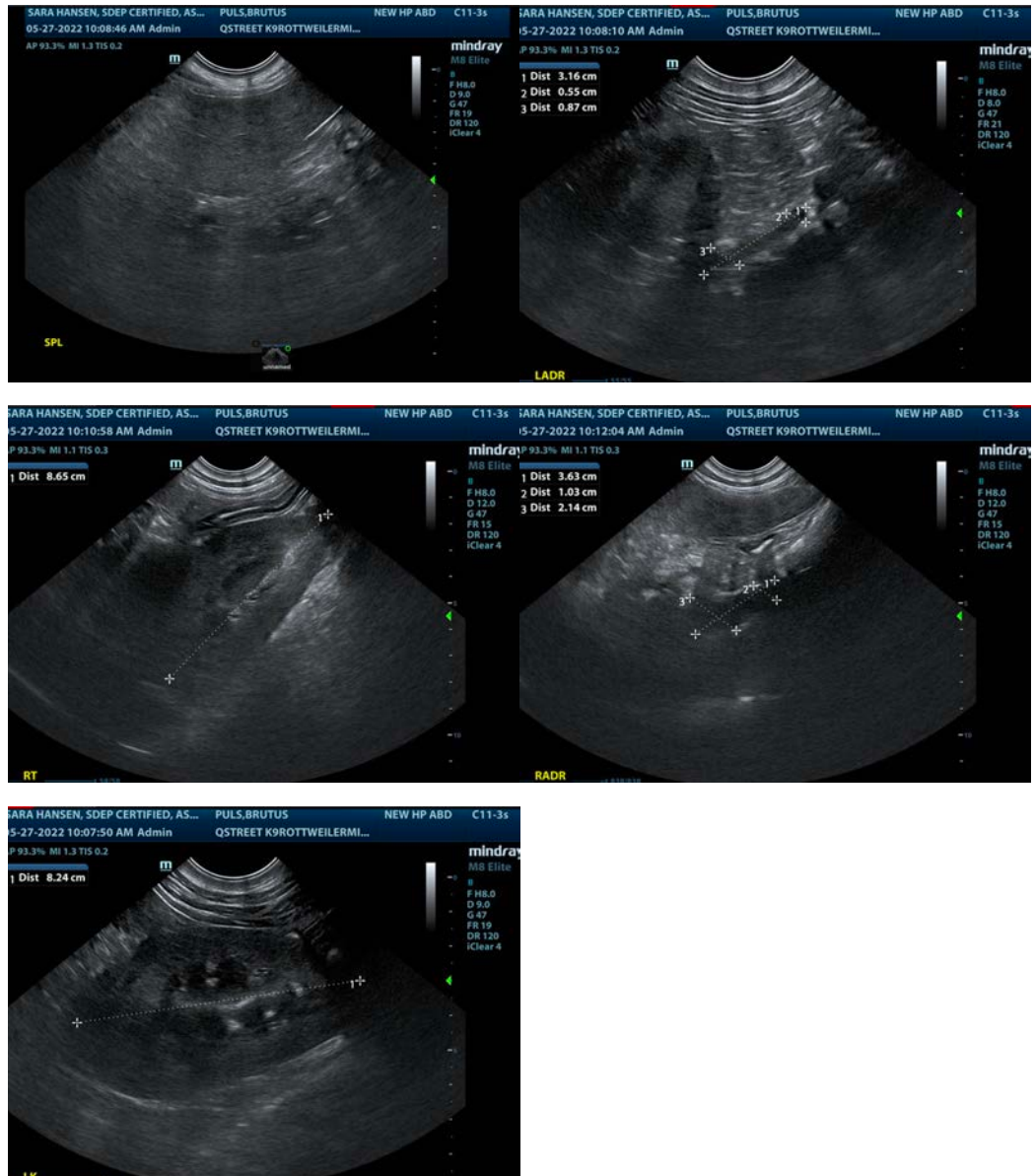
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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