



**PATIENT PRESENTING CLINICAL SIGNS**

Rex Short

History: Bailey noticed Rex bleeding from his prepuce 5 days ago. It has become worse over the weekend. It mostly happens after lying down for some time or when he is very excited.

**SPECIES**

Abnormal PE/Chem/CBC/UA Results: PE: Penis and Prepuce appear normal. Rectal exam is normal. Technician sees abnormality on US guidance for cystocentesis. No current labs.

Canine

**BREED**

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Bulldog

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 prostate was enlarged in this patient and measured 6.5 x 2.5 cm. The prostate was mildly hypoechoic to the surrounding fat and peripheral inflammation. The architecture would suggest BPH. However, the patient is reported to be neutered. Cryptorchid should be considered if descended testicles are not present. No overt cryptorchid testicle was found in the image set provided.

**AGE**

8 years

**WEIGHT**

58.2 lbs

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 right kidney measured 4.9 cm. The left kidney measured 5.0 cm.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**Adrenal Glands**

**IMAGING PERFORMED BY**

Carissa Rhoades

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 1.6 x 0.62 cm at the cranial pole and 0.43 cm at the caudal pole. The right adrenal gland measured 2.23 x 0.49 cm at the cranial pole and 0.66 cm at the caudal pole.

**HOSPITAL NAME**

Elizabeth AH

**Spleen**

**REFERRING VET**

Dr. Anderson

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.

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**Liver**

**DATE**

12/19/22

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



**PATIENT** lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Rex Short

**SPECIES** *Gastrointestinal*

Canine A minor amount of non-shadowing, non-obstructive ingesta was noted in the stomach. Transit of chyme into the small intestine was normal. Curvilinear patterns were maintained throughout the GI tract. No evidence of pathology. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. The descending colon revealed hard stool. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**BREED**

Bulldog

**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.

**AGE**

8 years

**Free Abdomen**

Regional inflammation was noted around the urinary bladder and descending colon.

**WEIGHT**

58.2 lbs

**ULTRASONOGRAPHIC FINDINGS**

Enlarged prostate, consistent with BPH; however, the patient is reportedly neutered.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

If the patient is truly neutered then FNA of the prostate is warranted to assess for carcinoma. The prognosis is guarded depending upon

**IMAGING PERFORMED BY**

Carissa Rhoades

**HOSPITAL NAME**

Elizabeth AH

**REFERRING VET**

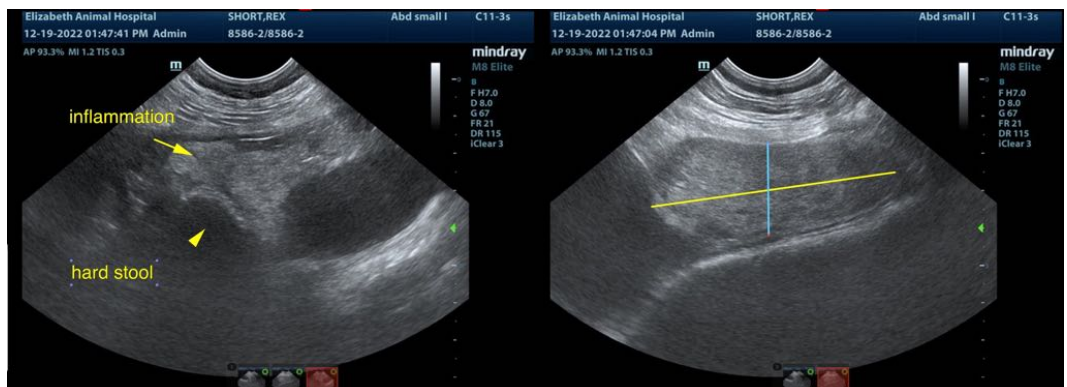
Dr. Anderson

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**PATIENT**

Rex Short

**SPECIES**

Canine

**BREED**

Bulldog

**SEX**

Neutered male

**AGE**

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**WEIGHT**

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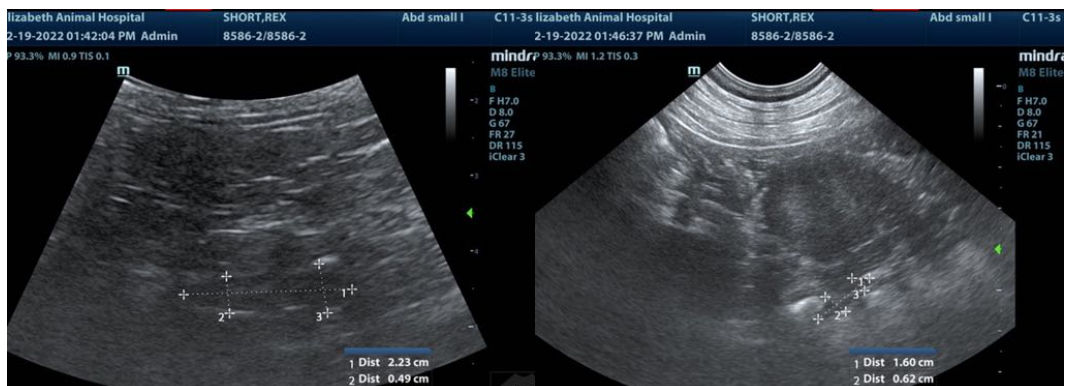
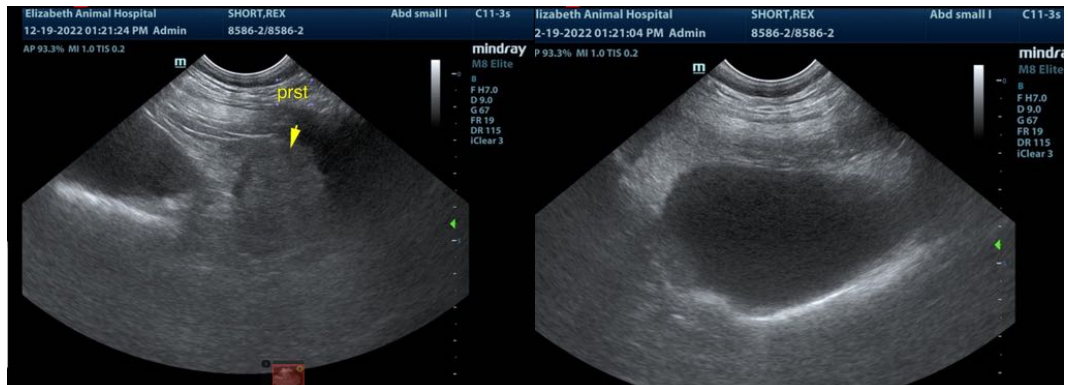
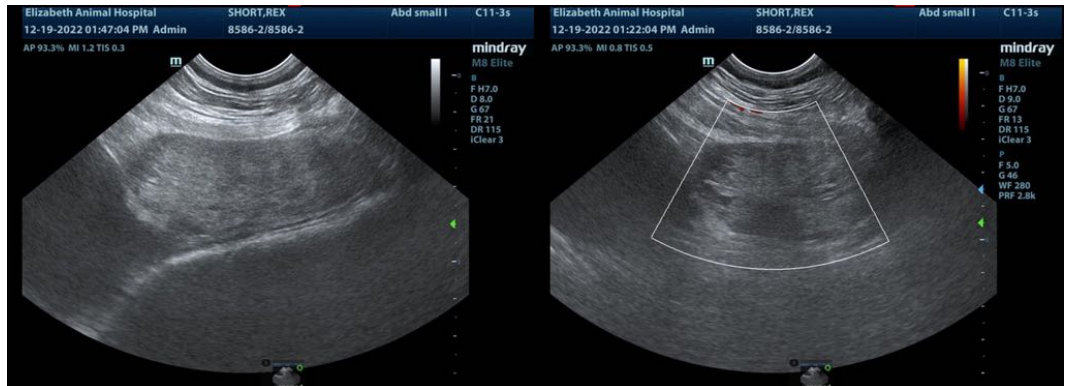
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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