



PATIENT

Buddy Mobus

PRESENTING CLINICAL SIGNS

Enlarged prostate, recurrent UTI. No current meds.
Abnormal PE/Chem/CBC/UA Results: USG >1.050

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Golden Retriever

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

Intact male

The **prostate** was uniformly enlarged with lobar swelling appeared to impinge upon the urethra and mildly deviate the descending colon. Edema lines were noted in the prostate, which is suggestive of prostatitis. 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 3.9 cm. The testicles were imaged and found to be uniform with no evidence of pathology.

AGE

5 years

WEIGHT

69 lbs

The **kidneys** presented mild, irregular contour and slight, irregular renal pelvises. Increased cortical echogenicity is precocious for this age patient. I am concerned for some level of mild to moderate renal dysplasia. There was loss of corticomedullary definition and disrupted architecture. The right kidney measured 6.41 cm. The left kidney measured 6.45 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Shari Reffi, CVT

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 2.14 x 0.5 cm at the cranial pole and 0.4 cm at the caudal pole. The left adrenal gland measured 3.41 x 0.42 cm at the cranial pole and 0.56 cm at the caudal pole.

HOSPITAL NAME

Wantage VH

Spleen

REFERRING VET

Dr. Bullock

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.

INVOICE

95518

DATE

1/25/22

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



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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

BREED

Golden Retriever

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

Intact male

Pancreas

AGE

5 years

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.

WEIGHT

69 lbs

ULTRASONOGRAPHIC FINDINGS

Irregular renal structure. Suspect primary renal dysplasia without failure.

Prostatitis, BPH prostate.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The renal values should be monitored carefully in this patient. Neutering would be indicated in this patient as well as periodic monitoring of renal values. If any inflammatory sediment is present then urine culture is indicated. If neutering is absolutely not an option alternative protocol such as the following can be considered.

Finasteride at 1 mg/kg/day can be utilized as an off-label approach to reducing prostatic size in BPH cases. Coverage for prostatitis would also likely be appropriate with Fluoroquinolone/Baytril or similar. A recheck sonogram is recommended in 3-4 weeks with reassessment of the urinalysis and evaluation of any inflammatory sediment.

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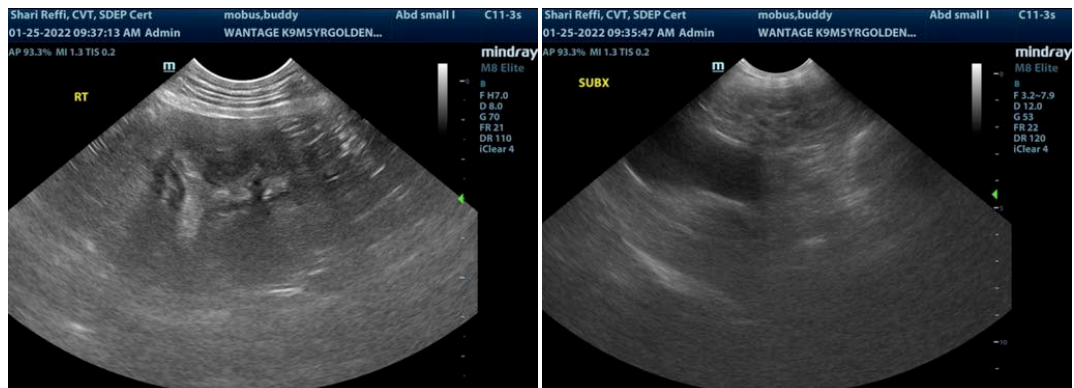
Dr. Bullock

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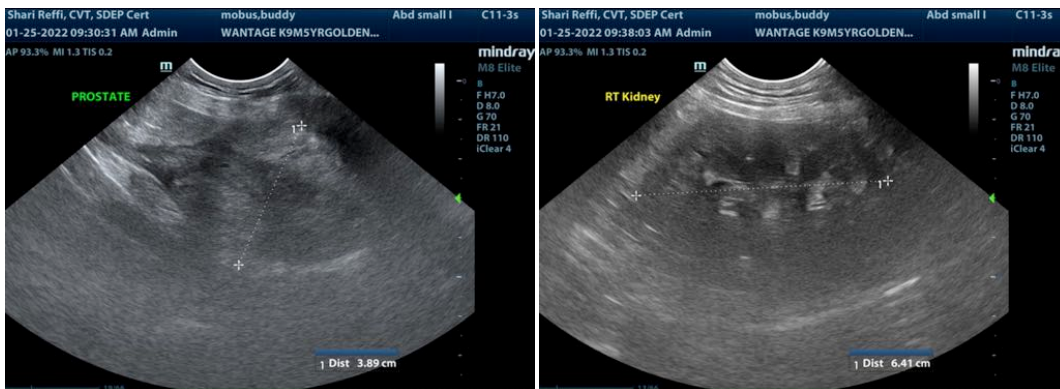
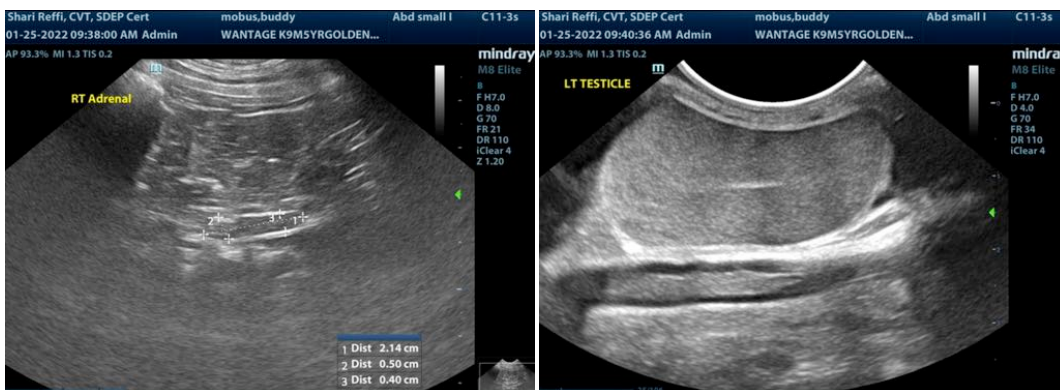
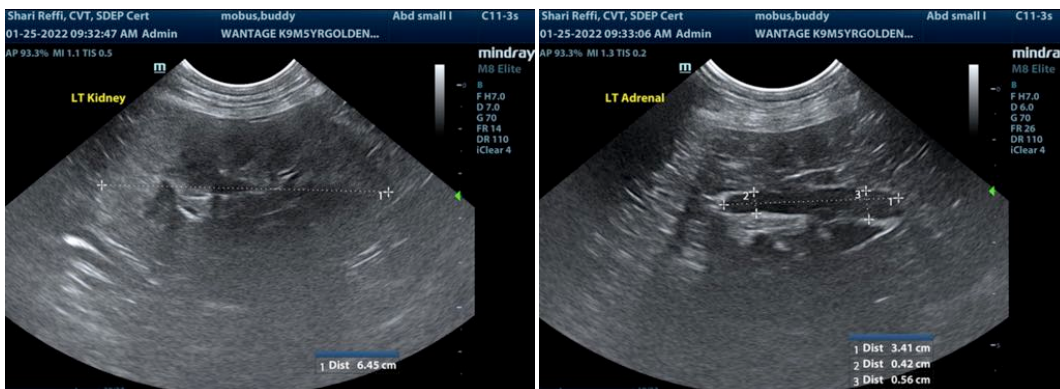
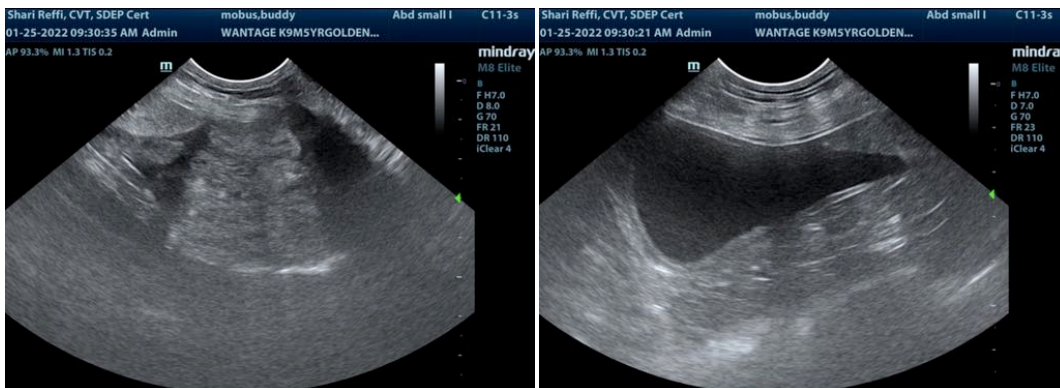
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

BREED

Golden Retriever

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

SEX

Intact male

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WEIGHT

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