



PATIENT

PRESENTING CLINICAL SIGNS

Louis Duque

History: Since February 2020 on/off hematuria, ab's was prescribed on February 2020, resolved after the TX, yesterday Owner noticed hematuria, No v/d/c/s/pu/pd. No other medical Hx 's
Abnormal PE/Chem/CBC/UA Results: PE: R testicles bigger in size and consistency, neuter was preformed today, CBC: Unremarkable. CHEM: Alp 555 High 0-140. UA: Pending. X-rays: Enlarge prostate, clear chest of metastasis, other WNL.

SPECIES

Canine

BREED

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Staffordshire Terrier

Urinary System

SEX

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.

Intact male

AGE

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 3.6 cm with mild pericapsular inflammatory pattern.

8 years

WEIGHT

102 lbs

INTERPRETED BY

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. Slight mineralization was noted in the kidneys. The right and left kidney measured 6.0 cm.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Adrenal Glands

Jose

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.

HOSPITAL NAME

Elmhurst AEH

REFERRING VET

Spleen

Dr. Suci

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

INVOICE

94179

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11/30/21



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Liver

SPECIES

Canine

BREED

Staffordshire Terrier

SEX

Intact male

AGE

8 years

WEIGHT

102 lbs

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.

Gastrointestinal

SEX

Intact male

AGE

8 years

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.

Pancreas

WEIGHT

102 lbs

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.

INTERPRETED BY

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ULTRASONOGRAPHIC FINDINGS

BPH prostate.

Subtle heterogenous splenic changes, no evidence of pathology.

IMAGING PERFORMED BY

Jose

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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There is no evidence of other significant disease. Neutering should prove effective in this patient. If neutering is absolutely not an option a clinical trial of the following can be considered.

REFERRING VET

Dr. Suci

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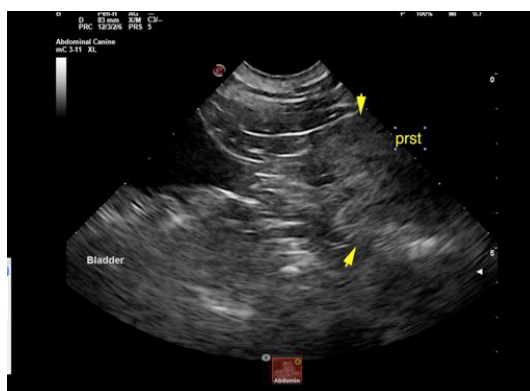
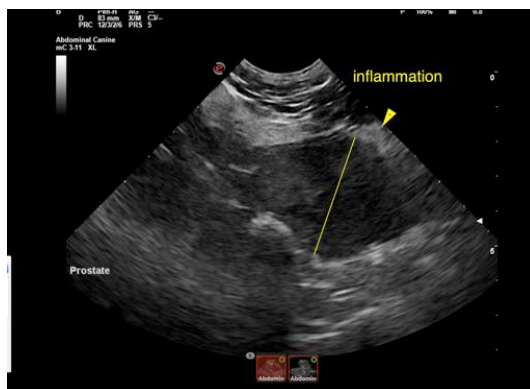
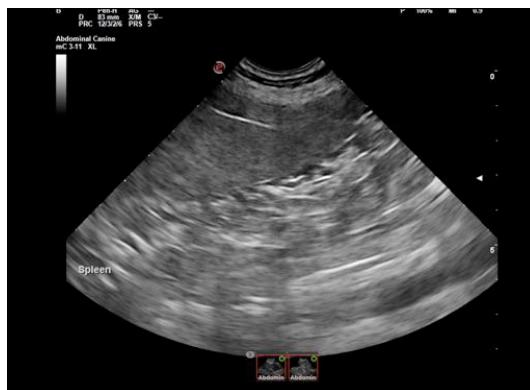
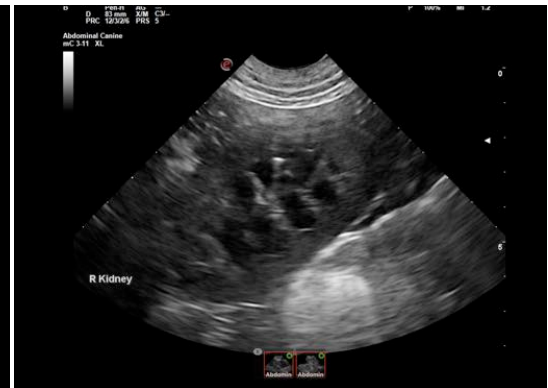
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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