

PATIENT

Deuce Vom
BlacksWolfRiver
Williams

SPECIES

Canine

BREED

Wachtelhund

SEX

Intact male

AGE

7 years

WEIGHT

56.7 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Willakenzie AC

REFERRING VET

Dr. Fischer

DATE

9/26/22

Invoice

39609

PRESENTING CLINICAL SIGNS

History: enlarged testicle, IRIS stage III CKD, UTI
Abnormal PE/Chem/CBC/UA Results: Creatinine 4.5 BUN 69 SDMA 38 USG 1.014

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

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 was noted. Ureteral papillae were normal.

The prostate was enlarged and heterogenous with significant remodeling. The prostate measured 5.66 x 4.13 cm. Enhanced fat was noted around the prostate. The left testicle was uniform in size and contour. The epididymis was unremarkable. The right testicle revealed nodular changes and cysts. Irregular contour was noted consistent with cystic hyperplasia, benign cystic changes. However, some nodular changes may represent an early neoplastic process.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 7.11 cm. The left kidney measured 5.57 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 2.9 x 1.41 cm at the cranial pole and 0.65 cm at the caudal pole. The left adrenal gland measured 1.97 x 0.37 cm at the caudal pole and 0.44 cm at the cranial pole.

Spleen

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.

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.

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Gastrointestinal

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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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Pancreas

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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.

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ULTRASONOGRAPHIC FINDINGS

Cystic and degenerative right testicle.
Non-specific, age related renal changes.
Chronic prostatitis pattern.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Complicating factors such as UTI, toxin exposure. Leptospirosis or similar should be considered regarding the azotemia/renal failure as the kidneys do not appear end stage. Leptospirosis titers are warranted as well as urine culture. Eventual neutering is indicated if the renal disease can be managed.

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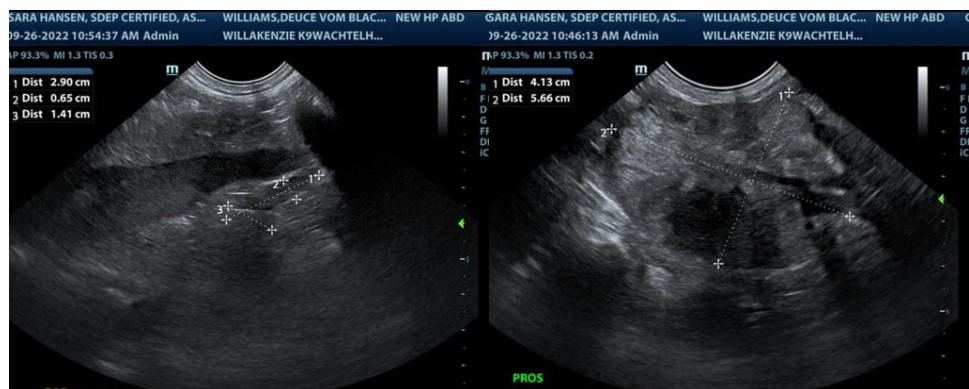
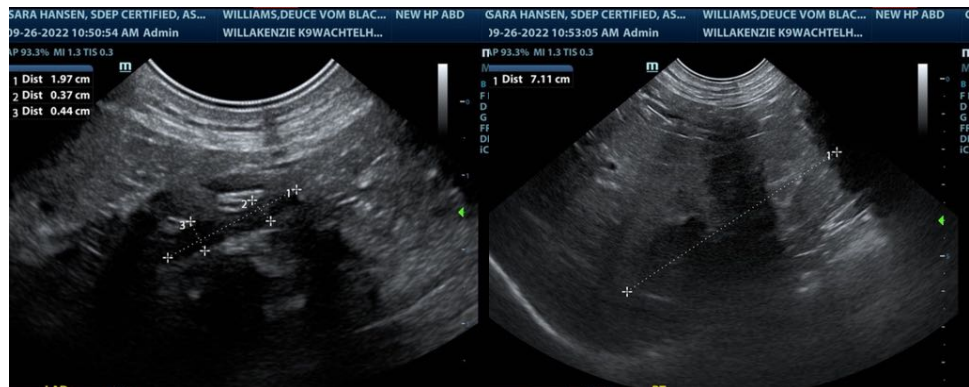
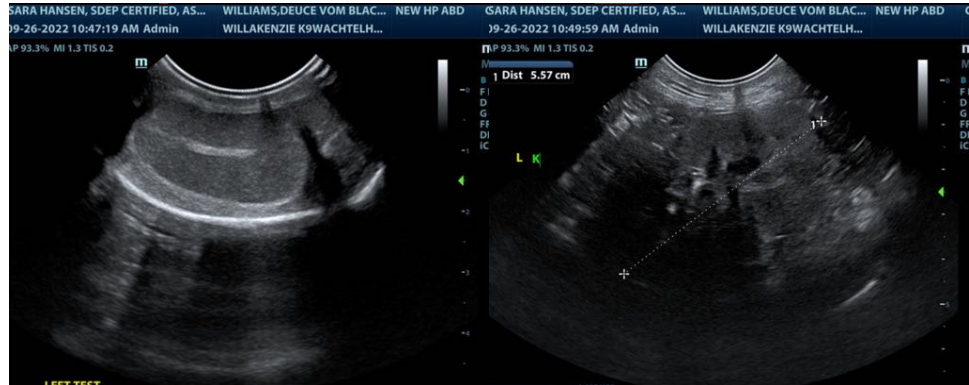
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

Eric.Lindquist@SonoPath.com