



PATIENT

Oreo Whaley

PRESENTING CLINICAL SIGNS

History: Ascites Heart murmur - Echo pending

SPECIES

Canine

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.

BREED

Shih Tzu

SEX

Intact Male

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 4.5 cm at maximum width with anechoic cyst that measured 0.3 cm. The left testicle revealed a hypoechoic 0.5 cm nodule in the mid body. The right testicle was hypoechoic and revealed a 2.9 cm mass with regional inflammation. The right testicle was enlarged and measured 3.9 cm. The left testicle measured 2.56 cm.

AGE

12 years

WEIGHT

26.5 lbs

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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 5.34 cm. The left kidney measured 5.0 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Denise Bruno, LVT,
RDMS

HOSPITAL NAME

Ideal Pet Vet Clinic

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 left adrenal gland measured 2.11 x 0.5 cm at the caudal pole and 0.41 cm at the cranial pole.

REFERRING VET

Dr. Kolta

Spleen

The **spleen** revealed a hypoechoic 2.0 cm mass at the mid body. This is likely metastatic to the liver given the hepatic presentation.

INVOICE

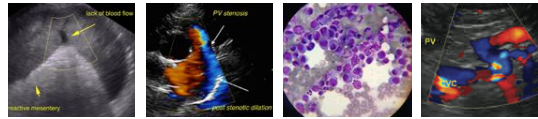
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Liver

The **liver** was swollen with an isoechoic lobar swelling that measured 5.36 cm. The left caudal liver revealed a hypoechoic 2.25 x 2.37 cm nodule with pericapsular inflammatory pattern. The gallbladder was unremarkable.

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3/10/22



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Gastrointestinal

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

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.

Free Abdomen

Free fluid was noted in the abdomen.

ULTRASONOGRAPHIC FINDINGS

Right testicular mass, left testicular nodule.

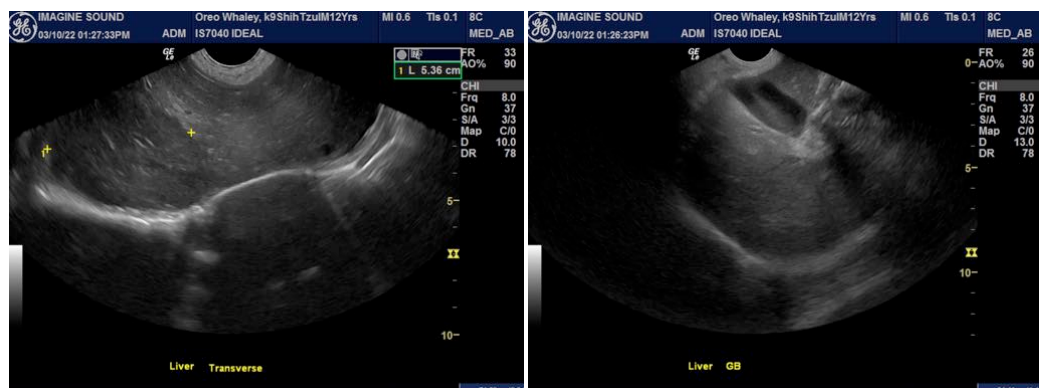
Splenic mass.

Left lateral liver nodule and right cranial hepatic swelling.

Free fluid.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Multi-centric round cell neoplasia is suspected. FNA of the right testicular nodules, splenic nodule and liver nodule is all indicated. The prognosis is poor depending upon cytology results.





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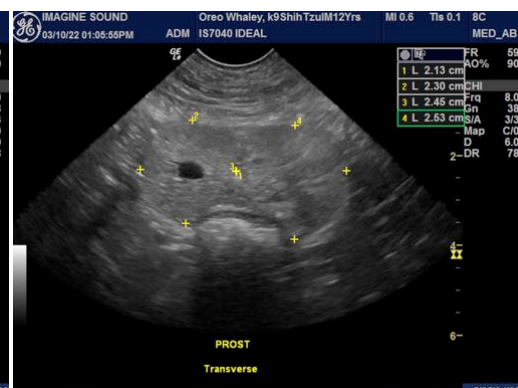
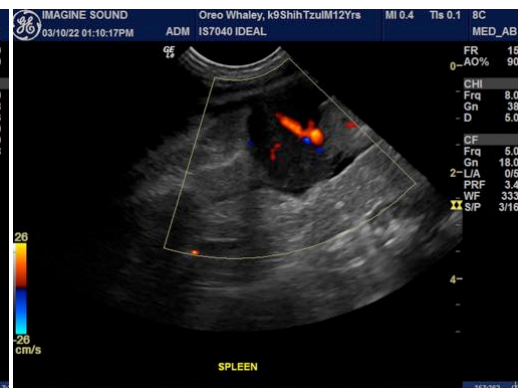
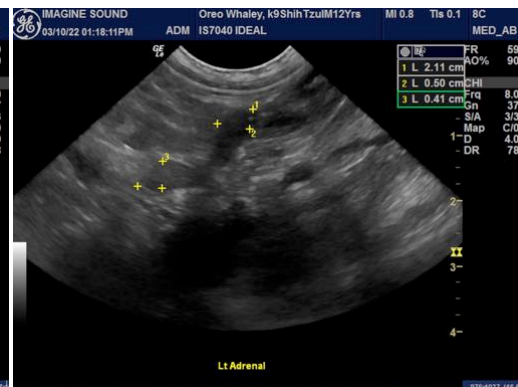
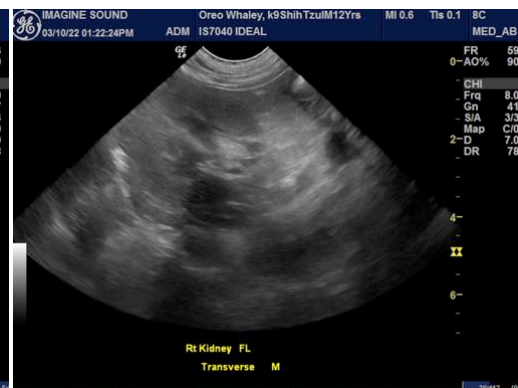
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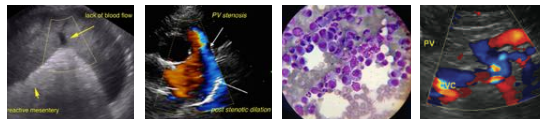
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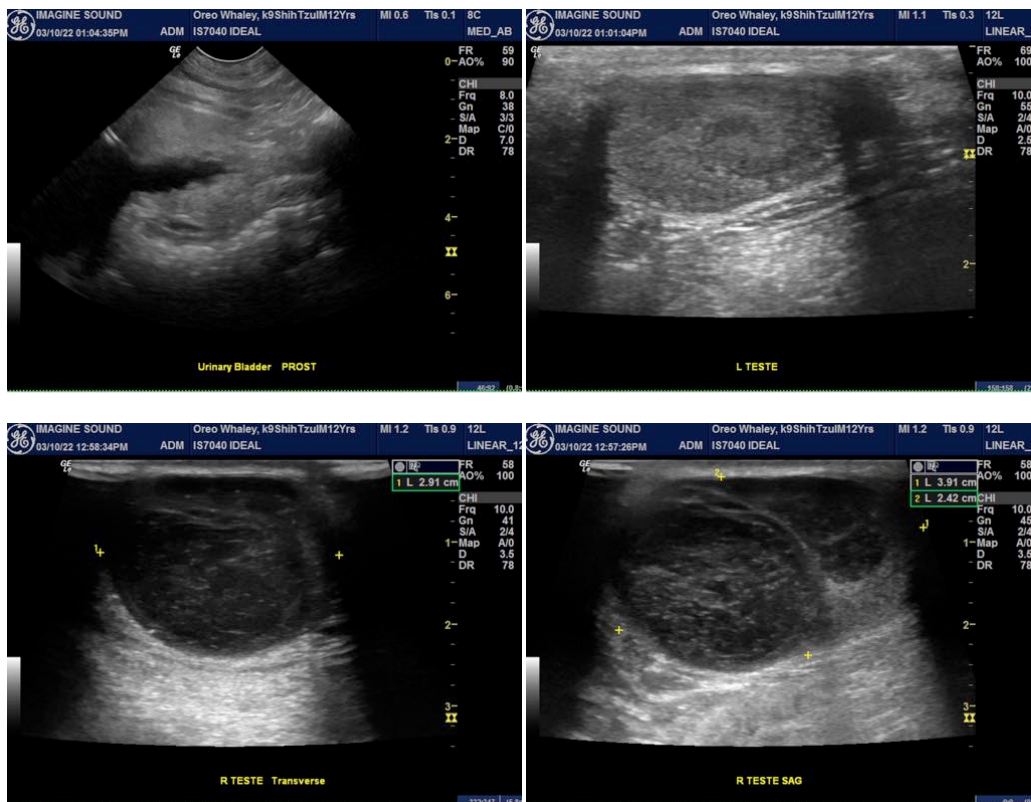
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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