



PATIENT

Chuckie Zitarova

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

Intact Male

AGE

16 Years

WEIGHT

12 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jessica Miller

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Barron

INVOICE

13494

DATE

10/4/21

PRESENTING CLINICAL SIGNS

History: testicular pain- r/o torsion Current meds: buprenex, baytril

Abnormal PE/Chem/CBC/UA Results: WBC 25.28, neuts 21.93, globulin 3.9 UA: pH 6, rbcs 0-1/hpf, wbcs 0-1/hpf SG: 1.030

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 were noted. Ureteral papillae were normal.

A mild amount of remodeling was noted in the **prostate**. The prostate measured 2.0 cm.

The **testicles** were imaged in this patient. Blood flow to the right testicle appeared to be minimal. Potential for testicular torsion. The right testicle was avascular with hyperechoic surrounding fat. The left testicle revealed a mild amount of blood flow.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 left kidney measured 4.31 cm. The right kidney measured 4.01 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 left adrenal gland measured 1.59 cm x 0.6 cm at the caudal pole and 0.67 cm at the cranial pole. The right adrenal gland measured 2.06 cm x 0.77 cm at the caudal pole and 0.83 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 were noted. Cranial folding of the spleen was noted.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or



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past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

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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.

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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.

AGE

16 Years

- Right testicular orchitis, possible torsion
- Prostate, mild amount of remodeling
- Splenic fold
- Age-related renal and hepatic changes

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ULTRASONOGRAPHIC FINDINGS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

If the sonographic findings match the clinical exam, then neutering would be recommended. Usually, in testicular torsions, the inflammatory response is much greater than what I am visualizing sonographically, however, vascularity to the right testicle appeared to be compromised which would suggest testicular torsion.

IMAGING PERFORMED BY

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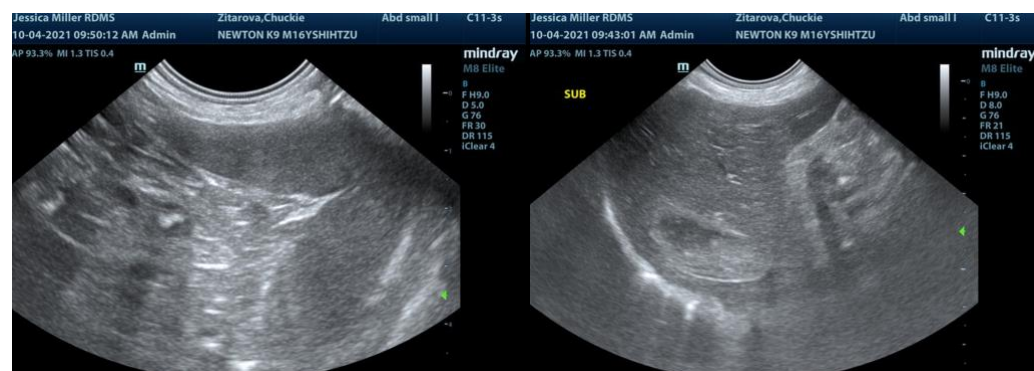
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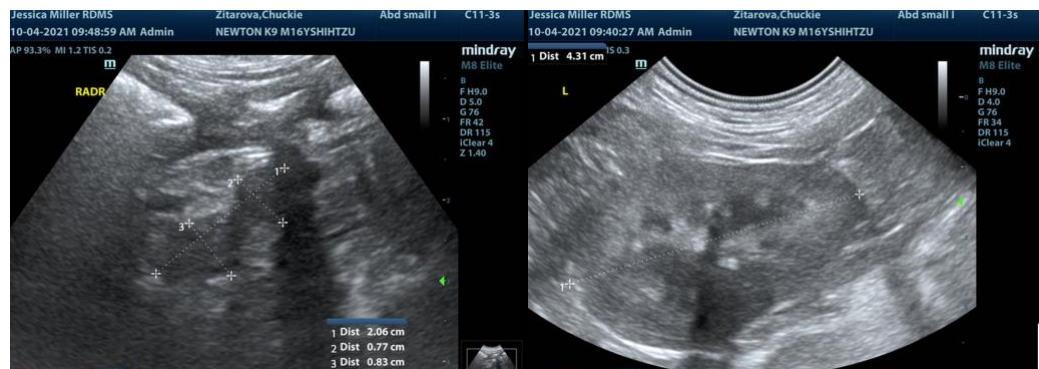
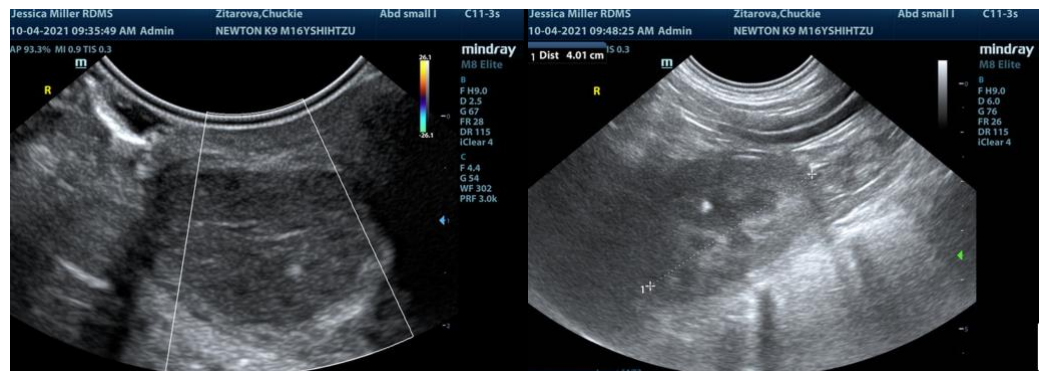
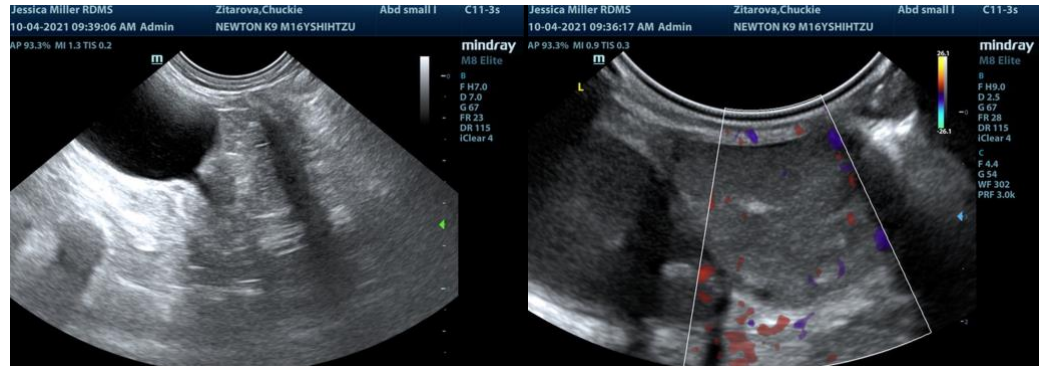
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.



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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.

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info@SonoPath.com

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