



PATIENT

Diva Moffett

SPECIES

Canine

BREED

Border Collie Cross

SEX

Spayed female

AGE

13 years

WEIGHT

37.8 kg

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Crystal Hill

HOSPITAL NAME

Grand River VH

REFERRING VET

Dr. Chu

INVOICE

43109

DATE

3/7/23

PRESENTING CLINICAL SIGNS

History: Previous echo done 3/23/22. Has a historical grade 2/6 systolic heart murmur unchanged. Recent noted increased urination with no straining or blood seen. Has had a few accidents in home, one while sleeping two others during a longer day. Good appetite, normal BM etc. Has been on Geri-Active and Heartgard. May have seen mild pu/pd.

Abnormal PE/Chem/CBC/UA Results: Urine Sp grav - 1.018 CBC WNL Urea mild elevated 12.2

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder revealed apical wall thickening with mild polypoid changes. Wall thickness measured up to 0.75 cm at mild repletion. The cystourethral junction and proximal urethra were unremarkable. The urethra was imaged 4.0 cm beyond the cystourethral junction and was unremarkable, yet the uterine stump was mildly thickened in this patient at 1.2 cm and impinged upon the pelvic urethra. Stump granuloma may be forming in this patient.

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 5.5 cm. The left kidney measured 5.4 cm.

Adrenal Glands

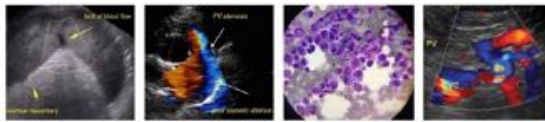
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 2.02 x 0.77 cm at the caudal pole and 1.24 cm at the cranial pole. The left adrenal gland measured 2.29 x 0.78 cm at the caudal pole and 0.92 c 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 from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some 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,



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infiltrative or regenerative pathology was noted but should be paired with current or 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.

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Free Abdomen

The iliac lymph nodes were unremarkable.

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ULTRASONOGRAPHIC FINDINGS

Mildly thickened uterine stump.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend empirical measures and treatment for UTI, however, if the clinical signs persist a recheck sonogram is recommended in 2 weeks to assess the uterine stump. This may be a normal variant post spay as no active inflammation was noted around the uterine stump; however, it is excessively thickened. I cannot rule out a uterine stump tumor or granulomatous process. Examination of the vaginal vestibule is warranted to assess for comorbidities.

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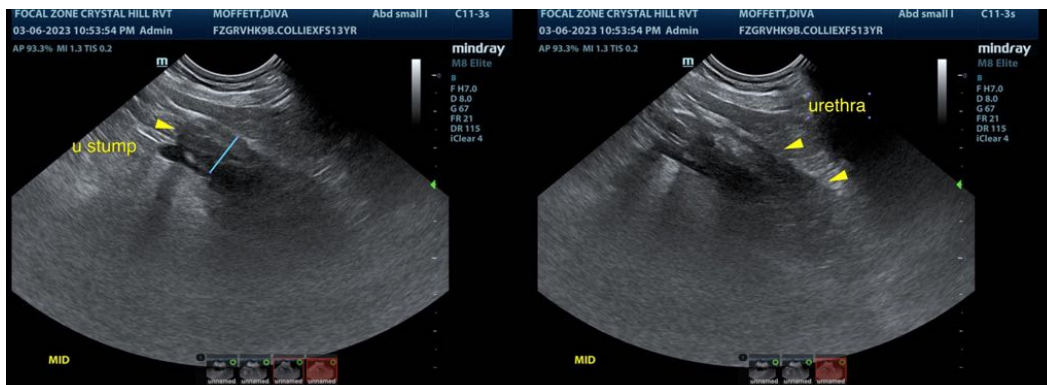
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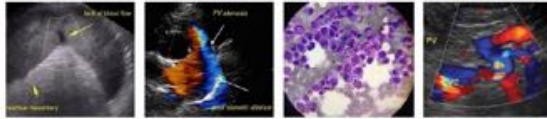
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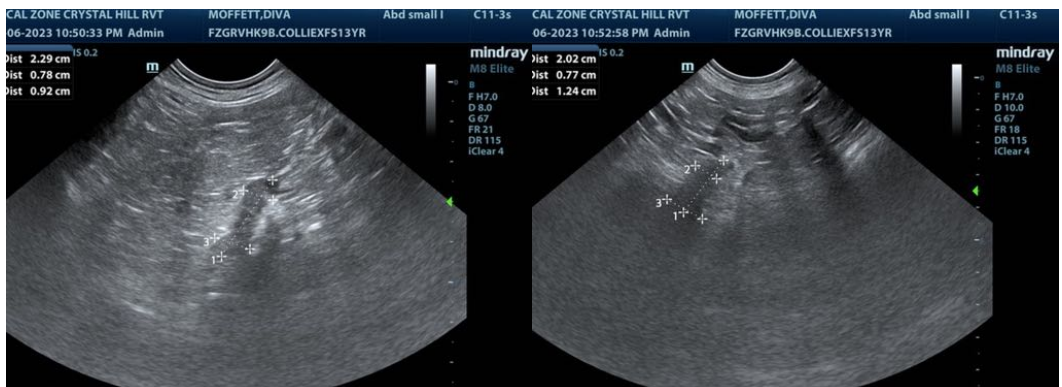
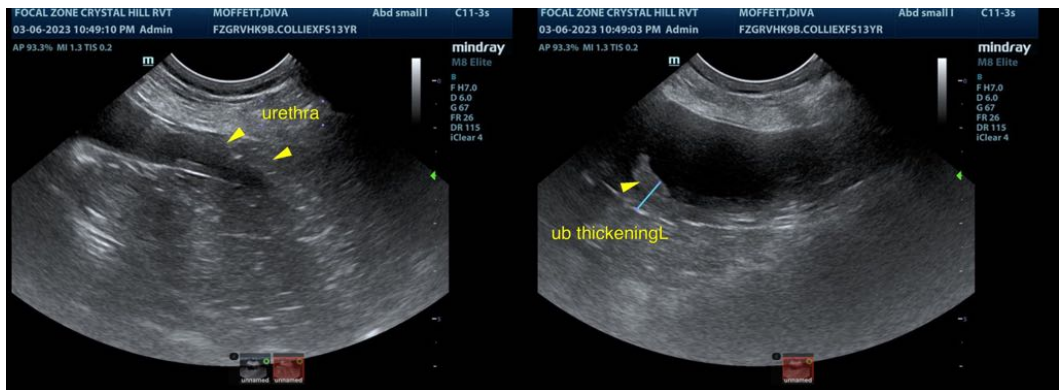
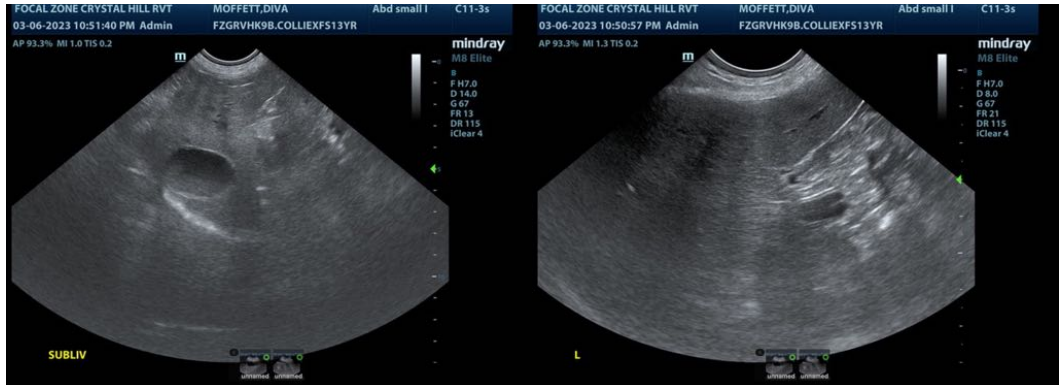
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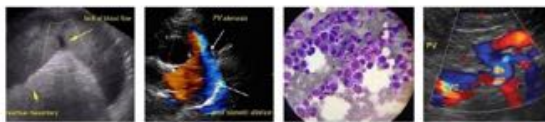
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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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CEO of Sonopath.com
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