



PATIENT

Molly Konetski

SPECIES

Canine

BREED

Shih Tzu

SEX

Spayed Female

AGE

13 Years

WEIGHT

5.4 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Miller

INVOICE

41734

DATE

9/29/22

PRESENTING CLINICAL SIGNS

Presented at our hospital for AUS. Has been having a hard time with BM the past 6mo. Will run until she can push something out. If she does defecate – covered in blood. Tried probiotics, no change, sometimes vomits. Was hospitalized at rdvm on IVF. Has been sleeping more than normal. Previous Health Concerns: Current Medications: Famotidine, Cerenia, Gabapentin, Metronidazole, Convenia inj 9/24, pro pectalin Appetite/When did they eat last: have to hand feed, early am

Abnormal PE/Chem/CBC/UA Results: Rdvm bloodwork: K 6.4; WBC 18.81; NEU 17.34; LYM % 6.6; NEU % 87.5; EOS% 0.7 CPL normal

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. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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. Mineralization noted in both kidneys. The right kidney measured 4.28 cm. The left kidney measured 4.39 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 1.45 cm x 0.41 cm at the cranial pole and 0.38 cm at the caudal pole. The right adrenal gland measured 0.50 cm.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The spleen was folded upon itself cranially. 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.

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 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

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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

Iliac lymph nodes were enlarged, example measured 1.0 cm x 0.50 cm with reactive surrounding mesentery. A larger lymph node was rounded, hypoechoic, and irregular. Regional inflammation noted.

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ULTRASONOGRAPHIC FINDINGS

- Sublumbar and iliac lymphadenopathy
- Age related renal changes
- Folded spleen

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Ultrasound guided FNA of the sublumbar/iliac lymph node with cytology and culture warranted. I cannot rule out distal colonic pathology within the pelvis. However, colon in the visible fields appeared unremarkable. Pelvic CT would be ideal in this patient.

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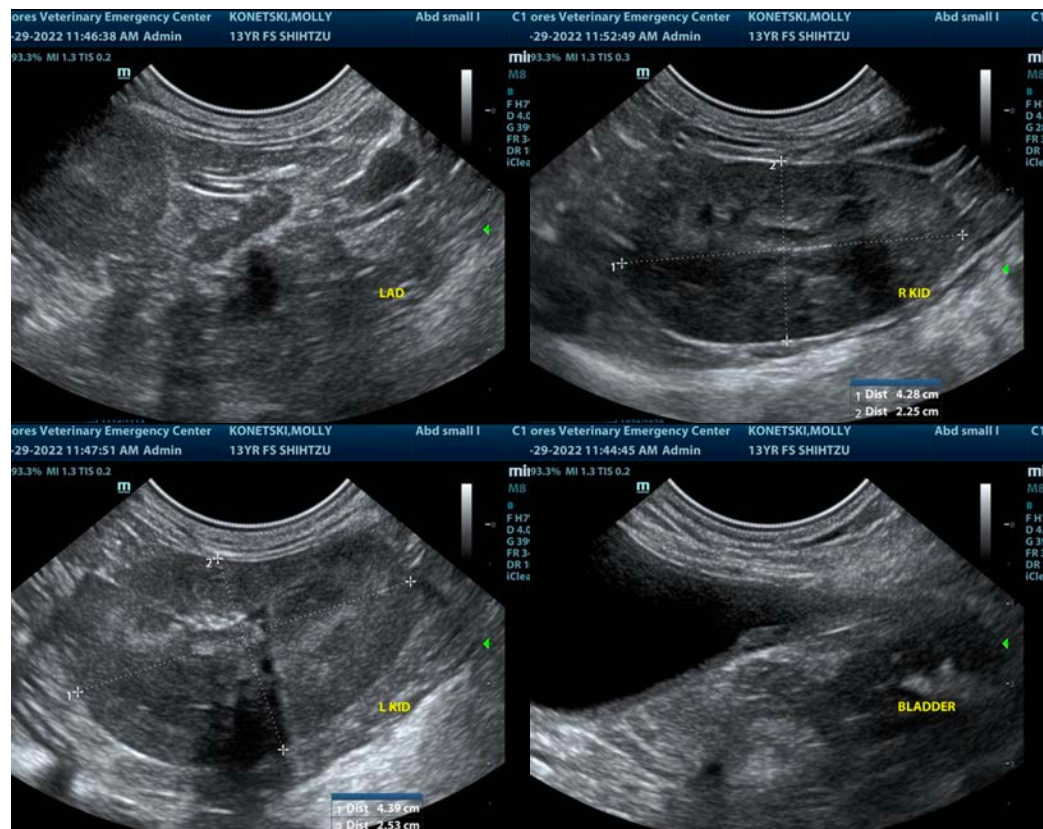
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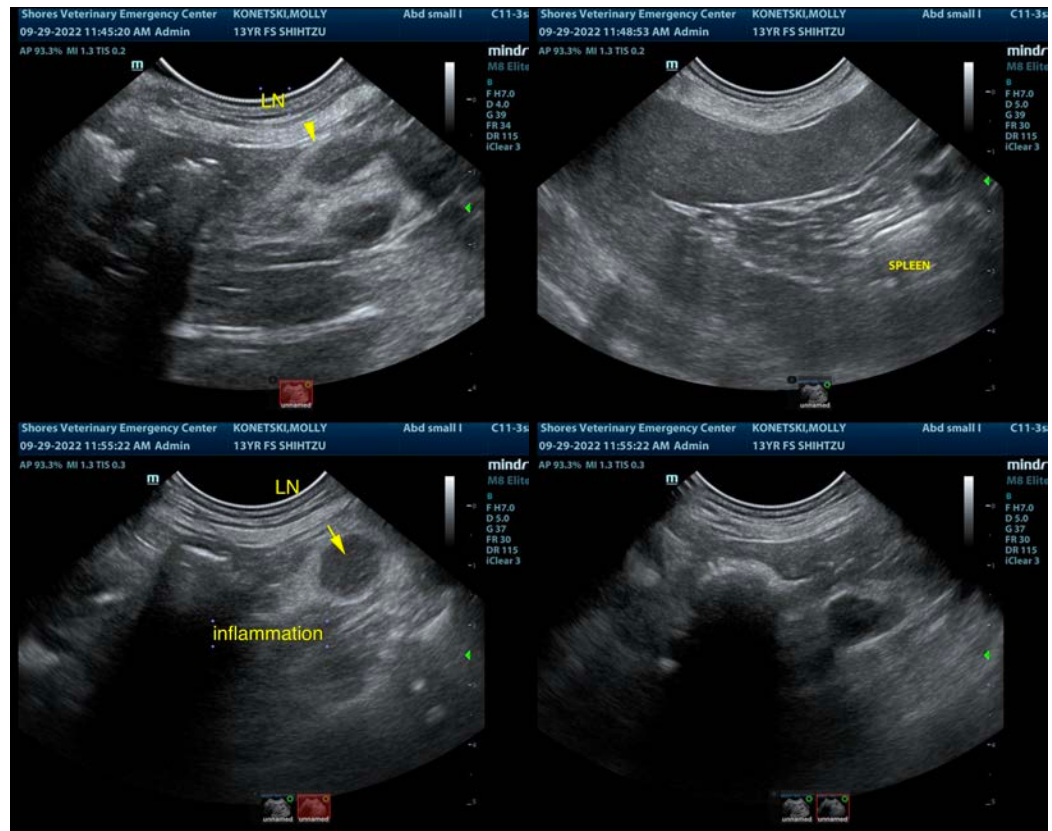
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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