



PATIENT

Mila Navarro

SPECIES

Canine

BREED

Shih Tzu Mix

SEX

Intact female

AGE

4 years

WEIGHT

6.44 lbs

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Orchard View VC

REFERRING VET

Dr. Heppner

DATE

1/25/22

Invoice
95531

PRESENTING CLINICAL SIGNS

Presented with low appetite, runny and dark brown stool, and vomiting bile and food. On 1/24 stool was watery. Vomiting increased while on Sucralfate and Omeprazole, after stopping medications the vomiting decreased. Liver values have increased since October. No pertinent exam findings, all WNL
Diff dx: liver mass or other hepatopathy

Abnormal PE/Chem/CBC/UA Results: 10/25/21: Chem: BUN 42, but SDMA 8 ALT sl elevated at 259 U/L (18-121) 1/7/22: platelets 665 (143-448) BUN 44 (9-31) ALT 533 (18-121) AST 69 (16-55) cortisol 1 (2-6) spec cPL 43 (0-200)

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** revealed a minimal amount of urine present. Dorsal and ventral bladder wall thickening was noted.

The uterus was mildly thickened with an empty lumen and measured 0.8 cm in width. The left ovary was uniform and measured 0.5 cm.

The **kidneys** are normal in size and contour with idiopathic, mild, hyperechoic medullary rim sign. This is common in this breed, idiopathic and not overtly pathological. The left kidney measured 3.19 cm. The right kidney measured 3.63 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 1.69 x 0.98 cm at the cranial pole and 0.4 cm at the caudal pole. The left adrenal gland measured 1.47 x 0.42 cm at the caudal pole and 0.34 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** was slightly subnormal in size. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident.



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Gastrointestinal

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The **stomach** presented a mild amount of anechoic fluid. The small intestines and colon were unremarkable.

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Pancreas

The **pancreas** revealed minor, heterogenous parenchymal changes. There is no evidence of significant inflammation.

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ULTRASONOGRAPHIC FINDINGS

SEX

Intact female

Mild gastritis pattern.

No evidence of pyometra.

Unremarkable kidneys with idiopathic medullary rim.

AGE

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

6.44 lbs

IV fluid support, GI protectants and Leptospirosis titers are all indicated given the ALT elevations. Dietary indiscretion, food intolerance/indiscretion, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials.

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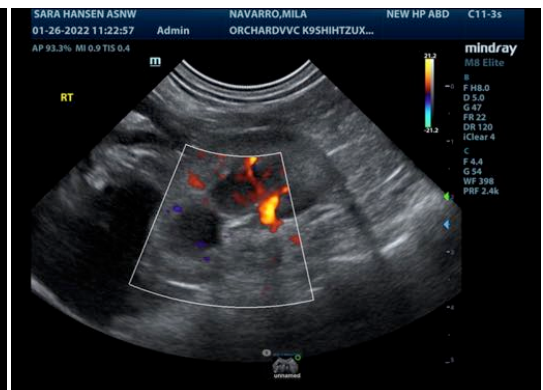
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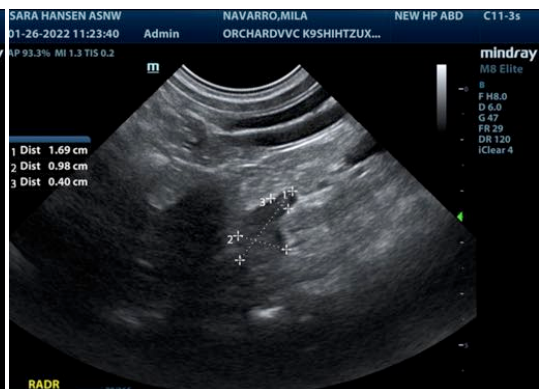
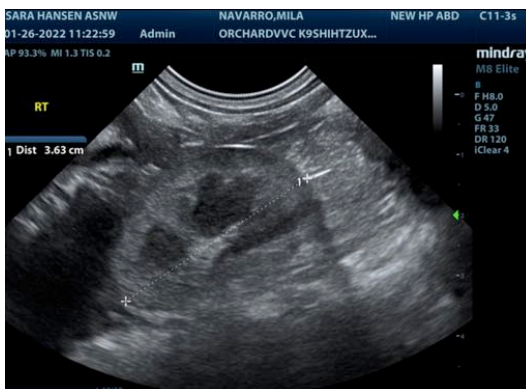
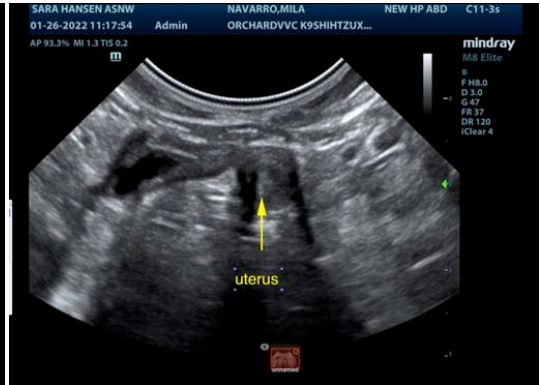
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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