



PATIENT PRESENTING CLINICAL SIGNS

Boo Morales Patient presents for diarrhea. Current meds: off & on metronidazole, started Galliprant yesterday. Abnormal PE/Chem/CBC/UA Results: May 2022: albumin 2.3.

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine **Urinary System**

BREED 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.

SEX 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 left kidney measured 4.1 cm. The right kidney measured 4.1 cm. Occasional cortical cysts noted in the kidneys.

AGE **Adrenal Glands**

WEIGHT 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 1.16 cm x 0.54 cm. The left adrenal gland measured 1.45 cm x 0.48 cm at the caudal pole and 0.37 cm at the cranial pole.

INTERPRETED BY Spleen

Eric Lindquist, DMV 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.

IMAGING PERFORMED BY **Liver**

Kelly Vazquez The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. Occasional hypoechoic nodule noted. There was no overt suspicion of neoplasia.

HOSPITAL NAME **Gastrointestinal**

Animal General on the Hudson The **gastrointestinal tract** presented excessive gas throughout, but no structural detail loss nor evidence of foreign body. Minor pyloric thickening noted. The colon was dilated with soft stool. Mesenteric lymph nodes were enlarged, reactive, measuring 2.0 cm x 1.0 cm. FNA, cytology and culture indicated.

REFERRING VET

Dr. William Freedman

INVOICE
42963

DATE

11/23/22



PATIENT

Pancreas

Boo Morales

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.

SPECIES

Canine

ULTRASONOGRAPHIC FINDINGS

BREED

Bichon Frise

- Non-specific gastrointestinal upset
- Mesenteric lymphadenopathy
- Moderate degenerative renal changes
- Vacuolar hepatopathy pattern

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend a fresh fecal smear and fecal floatation analysis. Broad-spectrum anti-parasitic protocol recommended. Purina HA or Royal Canin HP diet could be considered. Given the albumin loss, protein losing enteropathy is likely an issue, especially if no significant proteinuria present on urinalysis. FNA of a mesenteric lymph node could be considered for cytology and culture. Neoplasia is unlikely. These are likely reactive lymph nodes, yet more information from cytology may be possible.

AGE

13 Years

WEIGHT

14.8 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

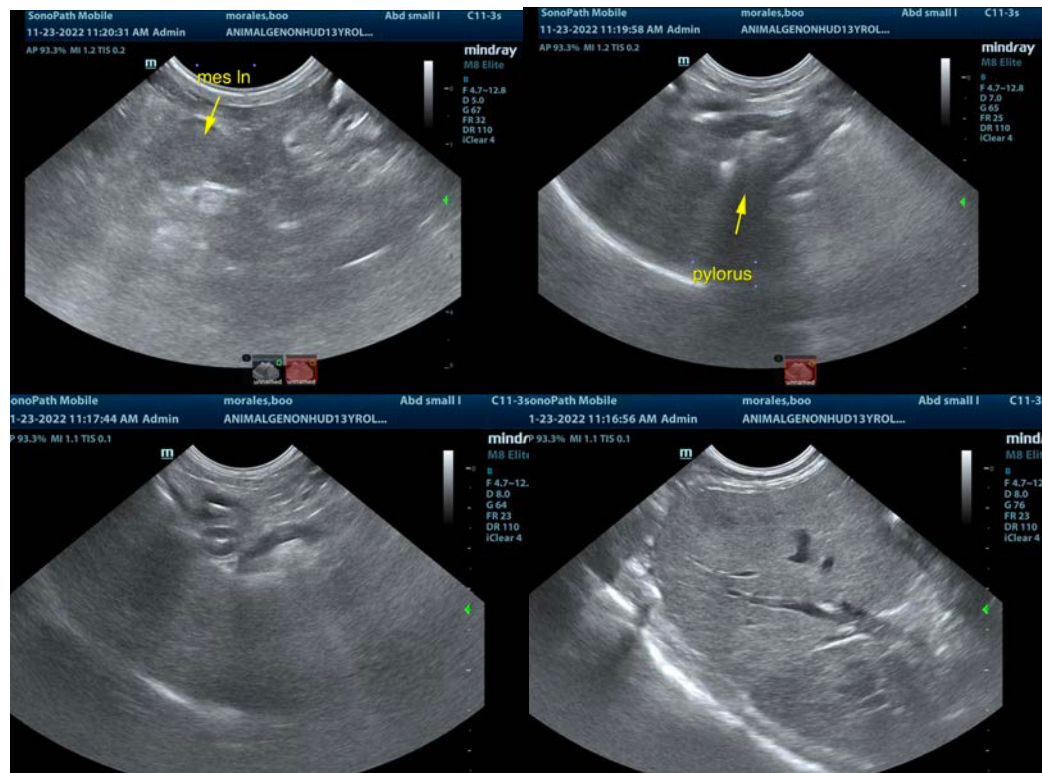
Kelly Vazquez

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PATIENT

Boo Morales

SPECIES

Canine

BREED

Bichon Frise

SEX

Neutered Male

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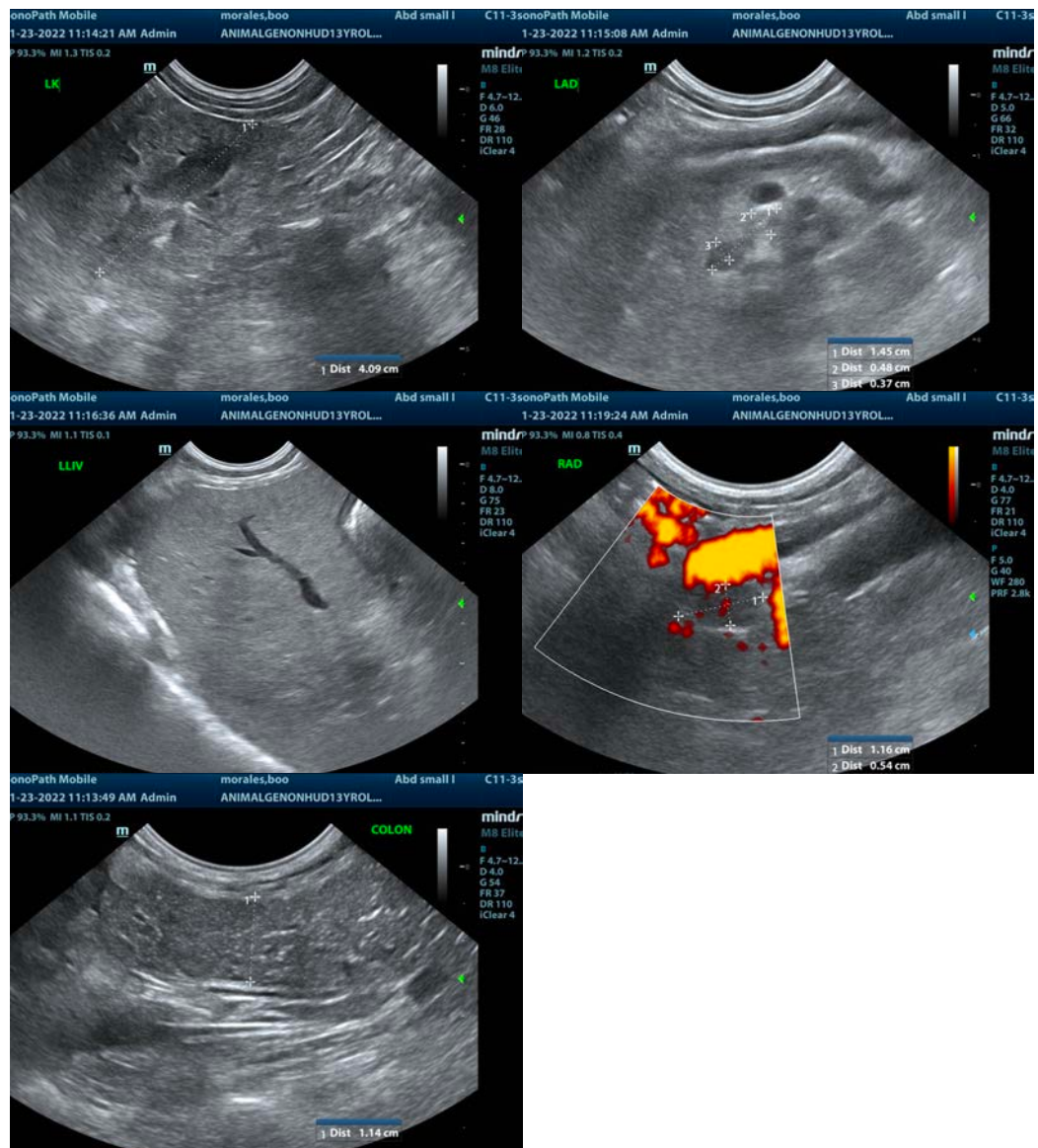
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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