

PATIENT PRESENTING CLINICAL SIGNS

Mia Miller Patient began to act lethargic 3 days ago. She has been eating only a little, and having diarrhea. Fever, no access to fish. Patient likes to chew on plastic, various objects including shoes, floss pick, plastic bone. Rads of abdomen do not show evidence of intestinal obstruction. Patient is intact female.

SPECIES Abnormal PE/Chem/CBC/UA Results: Febrile on presentation. Tense abdomen. CBC shows leukocytosis 23880/ul Neutrophils 19555/ul with bands noted Monocytes 1330/ul Platelets normal

Canine Chem shows mild increase in globulins, otherwise normal.

BREED

Chihuahua Mix

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

SEX

Intact female

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 was noted. Ureteral papillae were normal.

AGE

1 year

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.7 cm. The right kidney measured 5.0 cm.

WEIGHT

22 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

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 0.44 cm at the caudal pole and 0.53 cm at the cranial pole. The right adrenal gland measured 0.63 cm at the caudal pole and 0.62 cm at the cranial pole.

IMAGING PERFORMED BY

Judy Schroeder

HOSPITAL NAME

Animal Health Assoc

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.

REFERRING VET

Dr. Johnson

INVOICE

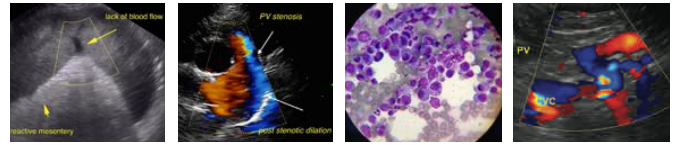
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Liver

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

DATE

4/18/22



PATIENT lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

Mia Miller

SPECIES *Gastrointestinal*

Canine The **stomach** was hyperperistaltic with anechoic luminal fluid. Stasis extended to the gastroesophageal inlet. The pylorus was patent. The small intestine was hyperperistaltic, yet empty. There was no evidence of foreign bodies.

BREED

Chihuahua Mix

Pancreas

SEX 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.

Intact female

AGE

1 year

ULTRASONOGRAPHIC FINDINGS

Gastroenteritis with mild gastric stasis.

WEIGHT

22 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

24 hour n.p.o., fecal test, anti parasitic protocol and possible diet change should all be considered. GI protectant protocol may prove effective. Dietary indiscretion, food intolerance/indiscretion, structurally insignificant inflammatory bowel or occult parasitism and occult Addison's are all potentials.

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

Helicobacter/Gastritis protocol

A clinical trial of **Zithromax (Dogs: 5-10 mg/kg p.o. q24h. May increase dosing interval to q48h after 3-5 days of treatment), Metronidazole (10-20 mg/kg p.o. b.i.d.), Sucralfate (0.5-2 g/dog PO) and Omeprazole (1 mg/kg p.o. s.i.d.)** over the next 3 weeks along with a **novel-protein or hydrolyzed diet** with slurry feeding b.i.d./t.i.d. over the next 2-4 days and then increase to canned diet bid. Dry food should be avoided over the next 4 weeks. A recheck sonogram to assess GI improvement or progression would be ideal in 4 weeks.

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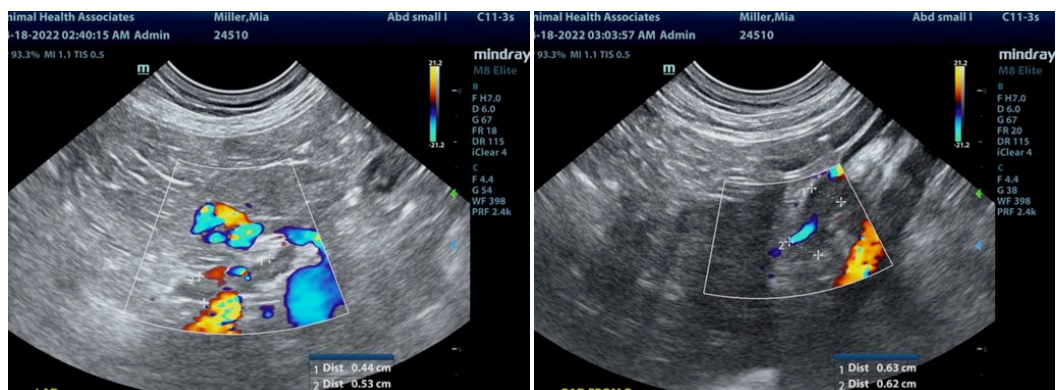
Dr. Johnson

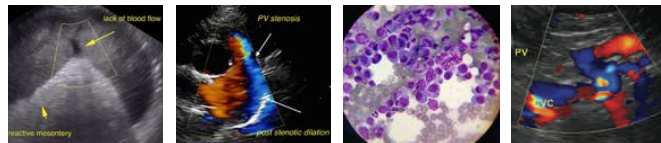
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PATIENT

Mia Miller

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Intact female

AGE

1 year

WEIGHT

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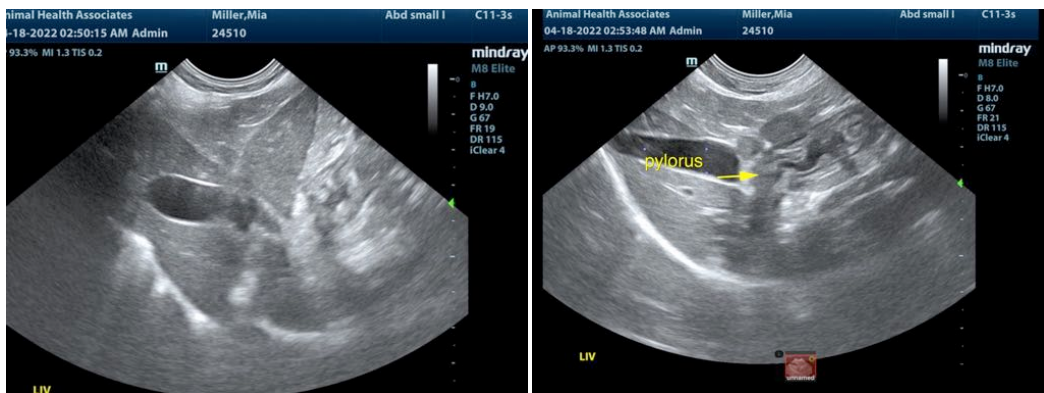
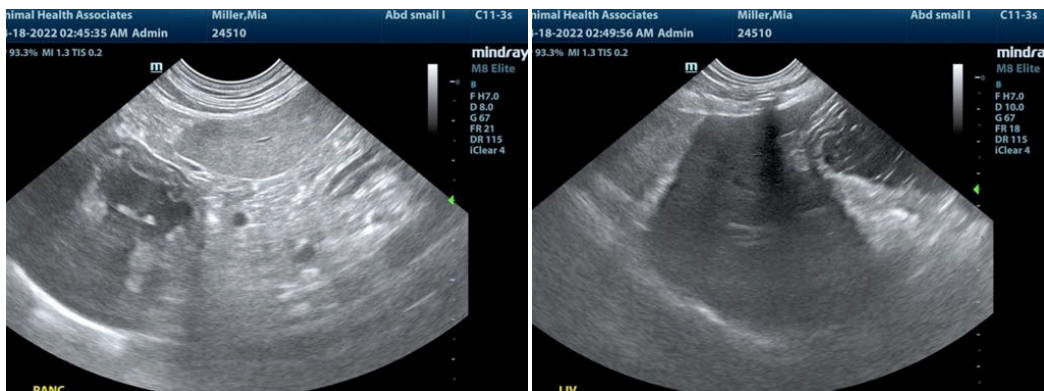
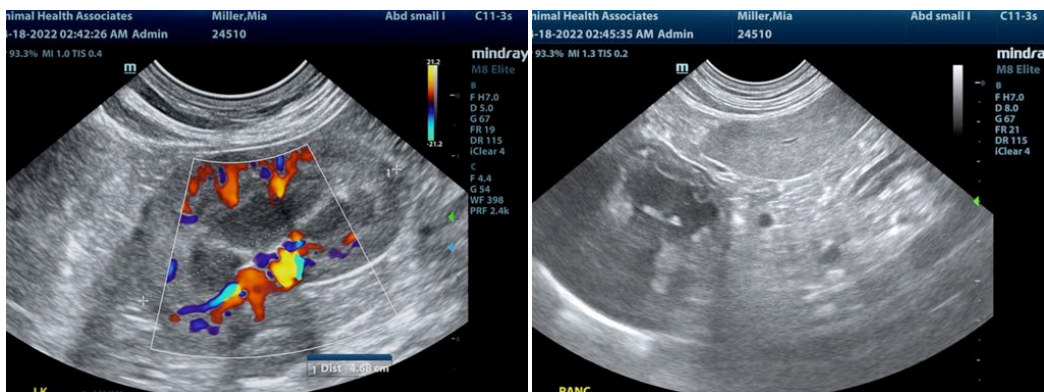
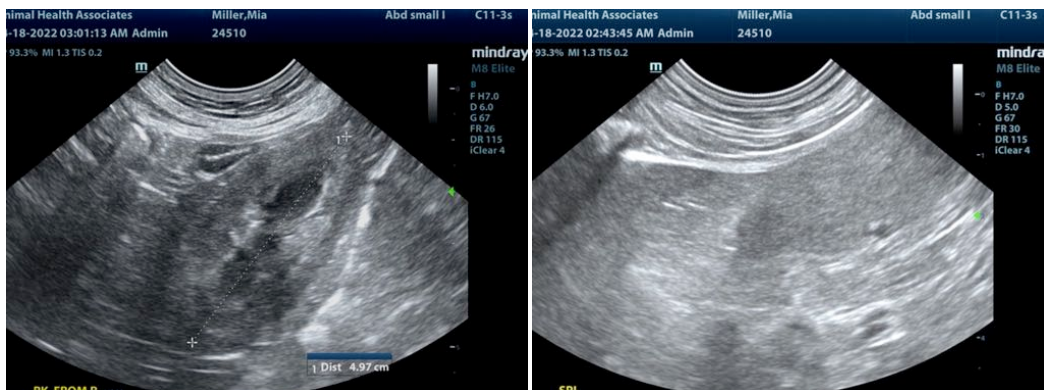
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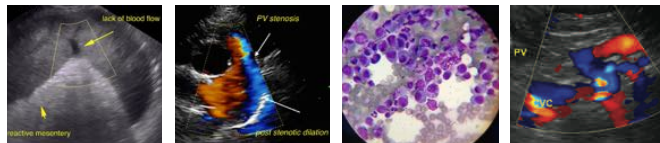
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PATIENT

Mia Miller

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.

SPECIES

Canine

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.

BREED

Chihuahua Mix

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com
info@SonoPath.com

SEX

Intact female

AGE

1 year

WEIGHT

22 lbs

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