



PATIENT

PRESENTING CLINICAL SIGNS

Willow Freed

History: 5 mo FS DSH 4.5# Received Buprenex IV prior to ultrasound. Hx chronic diarrhea. Dewormed with multiple dewormers (drontal, pyrantel, panacur) d/t hx of roundworms and ongoing large bowel diarrhea. Most recent fecals have been negative. Diarrhea not responsive to probiotics, i/d, metronidazole. Patient would not take tylan. Fecal PCR panel performed to look for tritrich foetes (neg) - was positive for Clostridium perfringens A and coronavirus. Spayed 2 weeks ago. Bloodwork WNL pre-op. Triple snap NEG x 3. In the last 5 days patient stopped eating, vomiting intermittently, ongoing diarrhea, and losing weight (5 pounds to 4.5 pounds). Repeat b/w - HCT 57% (clinically dehydrated), creat 1.3, USG > 1.050. Albumin:Globulin ratio 0.8. Body rads NSF, no obvious effusion. No obstructive pattern. Admitted to hospital on IVF, cerenia, mirataz, metro today. Started eating today with no additional vomiting.

SPECIES

Canine

BREED

Canine

SEX

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Spayed female

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 was noted. Ureteral papillae were normal.

AGE

6 months

WEIGHT

4.5 lbs

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 2.7 cm and the right kidney measured 2.9 cm.

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.

IMAGING PERFORMED BY

Dr. Carpenter

HOSPITAL NAME

Pennridge AH

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

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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

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

Willow Freed

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Gastrointestinal

Canine

The **stomach** was filled with progressively shadowing ingesta or possibly hair accumulation. Soft foreign matter is possible. However, the echotexture is that of ingesta. The small intestines and colon were unremarkable. The mesenteric lymph nodes are slightly enlarged and reactive. This is consistent with juvenile lymph nodes.

BREED

Canine

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.

Spayed female

AGE

6 months

ULTRASONOGRAPHIC FINDINGS

Slight, mesenteric lymphadenopathy, essentially normal for this age patient.

WEIGHT

4.5 lbs

Retention of ingesta.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Fresh fecal test, float and direct smear is recommended. Dietary intolerance is possible. Structurally the abdomen is unremarkable.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Internal medicine consult can be utilized through SonoPath.com. You can select the internal medicine drop down at <http://spa.sonopath.com/>.

Dr. Carpenter

One of the world's top internists & SonoPath associate Dr. Remo Lobetti BVSc, MMedVet, PhD, DECVIM can evaluate your case through SonoPath. <https://sonopath.com/resources/sonopath-services/internal-medicine-teleconsultation-services>

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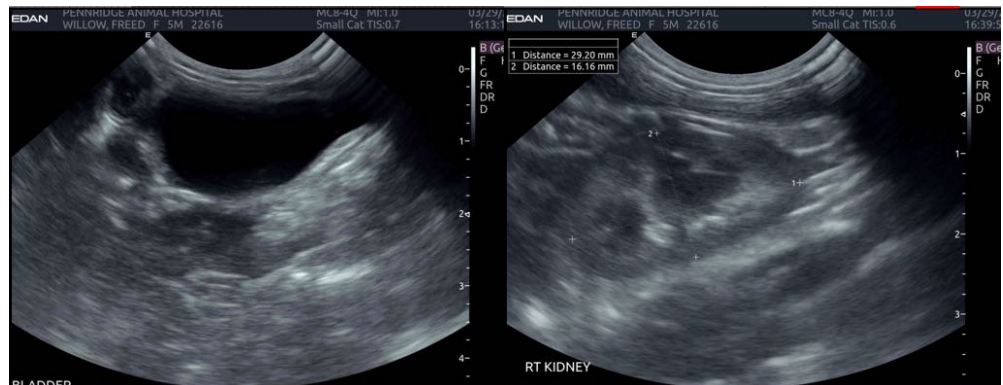
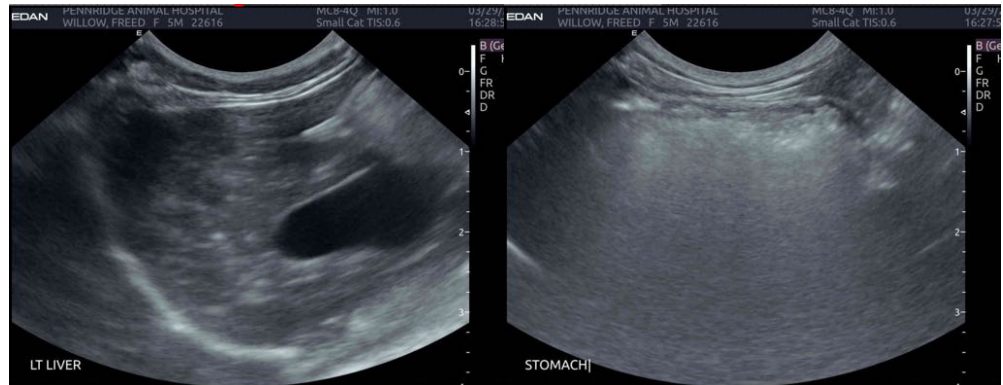
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

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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.

BREED

Canine

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

SEX

Spayed female

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WEIGHT

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