



## PATIENT

Mia Mullins

## SPECIES

Canine

## BREED

Mix

## SEX

Female

## AGE

7 years

## WEIGHT

16 lbs

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Amanda Shaffer

## HOSPITAL NAME

Emergency Animal  
Hospital of Crystal  
Falls

## REFERRING VET

Dr. Sabelhouse

## INVOICE

73732

## DATE

3/24/26

## PRESENTING CLINICAL SIGNS

- Last week, o transitioned Mia from her normal food to Purina venison/turkey - gradually over several days. She was her normal self on Friday - very playful and jumping; eating well. Saturday she woke up very lethargic, n/i eating, shaking; went outside and had some diarrhea. Went to rDVM - bw unremarkable but dx with ear infection. Had ear treatment but upon returning home, remained very lethargic. Sunday, no improvement and was straining to defecate; so came here (see previous record) and was treated for anal gland abscess. She was sent home on pred and clavamox. Since being home, she is still refusing to eat or drink, despite being on prednisone - o has been giving meds in cheese. No vomiting. No b/ms. Remains very lethargic and shaking.
- DX: 1) gastroenteritis, anorexia - r/o: diet change, food allergy, medication ADE, dietary indiscretion, infectious, pancreatitis, extra-alimentary, open 2) otitis externa, received treatment on 3/21 at rDVM - r/o: allergies vs other 3) right anal gland abscess, treated on 3/22 here - r/o: allergies vs other

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 1.0 cm beyond the cystourethral junction and appeared normal. 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.

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 4.15 cm. The right kidney measured 3.7 cm.

### Adrenal Glands

The **left adrenal gland** was not overtly visualized. However, the region of the left adrenal gland appeared unremarkable. The adrenal glands may be excessively small as the region was adequately imaged. The **right adrenal gland** appeared excessively small, flattened and isoechoic. The right adrenal gland measured 0.3 cm.

### 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.



## PATIENT

### Liver

Mia Mullins

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 revealed mild coalesced bile. This is not a clinical issue.

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

### Pancreas

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.

## INTERPRETED BY

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## ULTRASONOGRAPHIC FINDINGS

Subnormal right adrenal gland size, non-visible left adrenal gland.

Non-visible left adrenal gland.

## IMAGING PERFORMED BY

Amanda Shaffer

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

I recommend screening for Addison's in this patient. There was no structural evidence of disease noted elsewhere. ACTH stimulation is indicated. The prednisone may be masking a more significant presentation that may be responsible for the flattened adrenal gland. Otherwise, there was no evidence of significant visceral disease.

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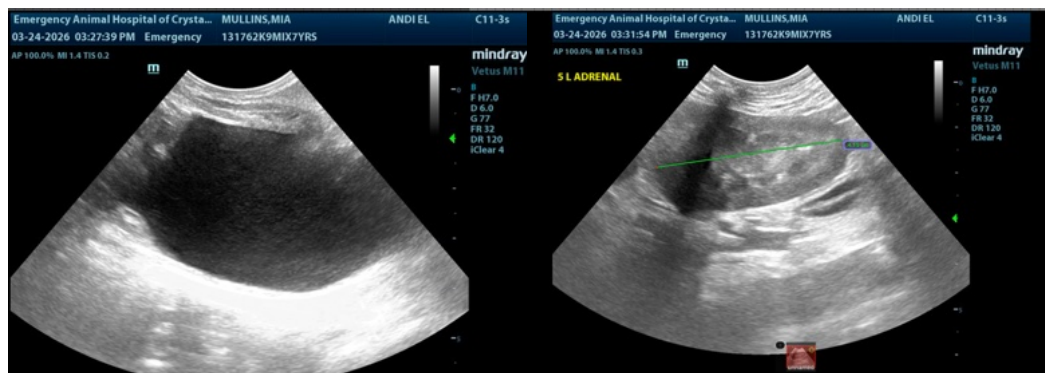
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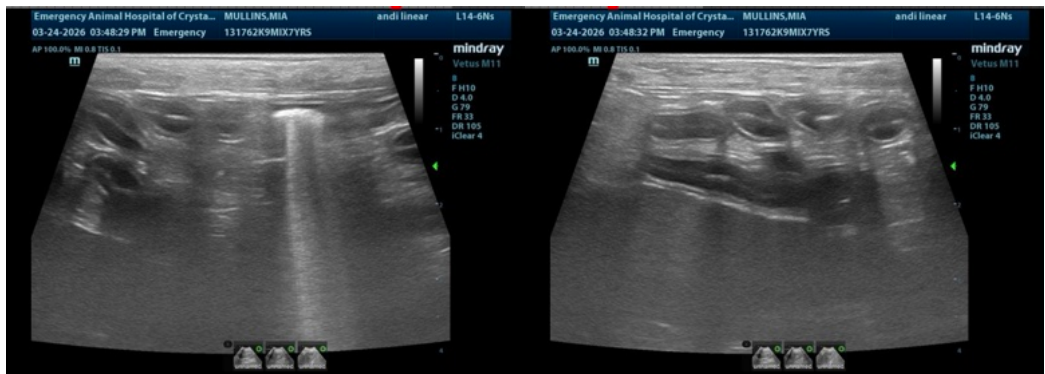
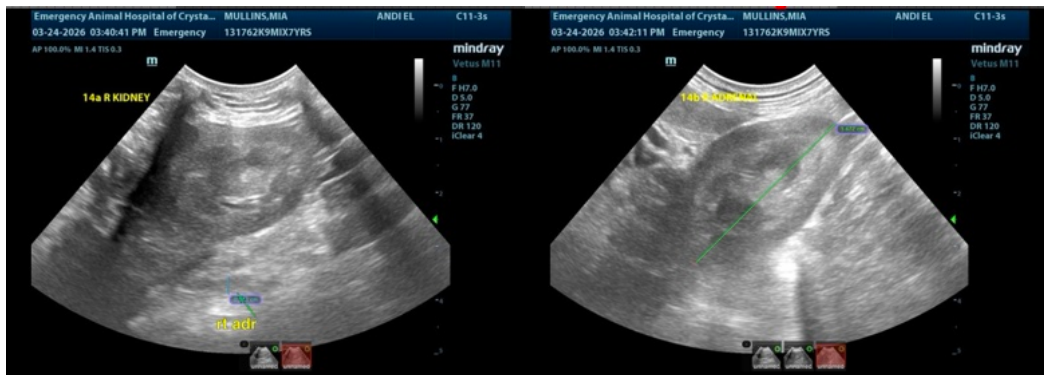
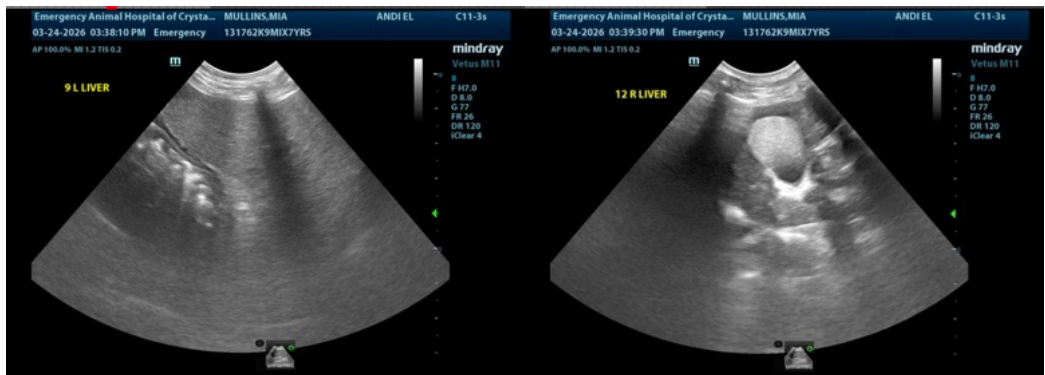
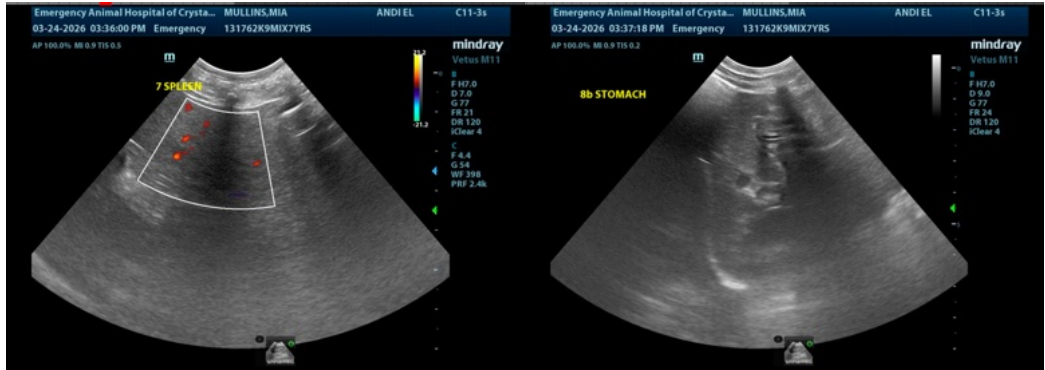
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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 (CFM), Cert. IVUSS, CEO of SonoPath.com

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