



PATIENT PRESENTING CLINICAL SIGNS

Izzy Brenton

Patient presented laterally recumbant and non-responsive. NO history of toxins, trauma, etc. Owner reports no VD. She as fine yesterday, but very lethargic this am.

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Laterally recumbant HR - 100; Cyanotic MM - improved with O2 therapy No femoral pulses tacky MM Dark feces on perineum with red blood present T - 97.6 HCT - 84 Leukocytosis of 31K (neutrophilia with L shift and monocytosis) BG - 66; Dextrose administered (patient became more responsive, less cyanosis ALP - 1565 ALT - 311 Amylase - 1989 Lipase - 3442 Glucose - 312 (following dextrose bolus) BUN >130; Creatinine - 10.5; Phosph - 15.0 R/O HGE, pancreatitis, renal disease, Ampicillin administered

BREED

Dachshund

SEX

Spayed Female

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

AGE

8

The **urinary bladder** and visible pelvic urethra were unremarkable for the level of repletion presented. The urine, however, did present some mildly echogenic debris consistent with mucous, exfoliated cells from renal or bladder origin, and/or blood clots as these echogenic changes can all present similarly. This is often related to urinary tract infection but may represent simple evidence of exfoliated debris or sterile inflammation. Cystocentesis, urinalysis, +/- culture would be recommended to rule out and define any UTI.

WEIGHT

13

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 right kidney measured 5.28 cm. The left kidney measured 4.34 cm.

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

Adrenal Glands

IMAGING PERFORMED BY

Dr. Adrienne Waffle

The **right adrenal gland** was 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 2.18 cm x 0.50 cm at the cranial pole and 0.57 cm at the caudal pole.

HOSPITAL NAME

Torch Lake VC

The **left adrenal gland** was slightly swollen at the caudal pole measuring 8.0 mm. Cranial pole measured 6.0 mm.

REFERRING VET

Dr. Adrienne Waffles

Spleen

INVOICE

43243

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.

DATE

6/16/23

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



PATIENT

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

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Gastrointestinal

SPECIES

The **stomach** itself was unremarkable. The duodenum presented spasming, enveloped by surrounding mixed echogenic pancreatic and omental inflammation. The distal small intestine presented increased submucosal echogenicity and thickness. Soft stool noted in the colon. Minor colonic thickening noted.

Canine

BREED

Pancreas

Dachshund

The **pancreas** revealed heterogeneous parenchymal changes with enhanced mesentery.

SEX

ULTRASONOGRAPHIC FINDINGS

Spayed Female

- Acute on chronic inflammatory bowel/gastroenteritis
- Concurrent chronic active pancreatitis
- Slightly swollen caudal pole left adrenal
- Urinary bladder debris
- Age related renal changes

AGE

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WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

13

24-hour NPO, IV fluid support, broad-spectrum antibiotics, pain management all indicated, plasma expanders indicated. Acute renal insult suspected, given that the kidneys only appear to have minor degenerative changes. Prognosis good to guarded depending upon renal responsiveness.

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REFERRING VET

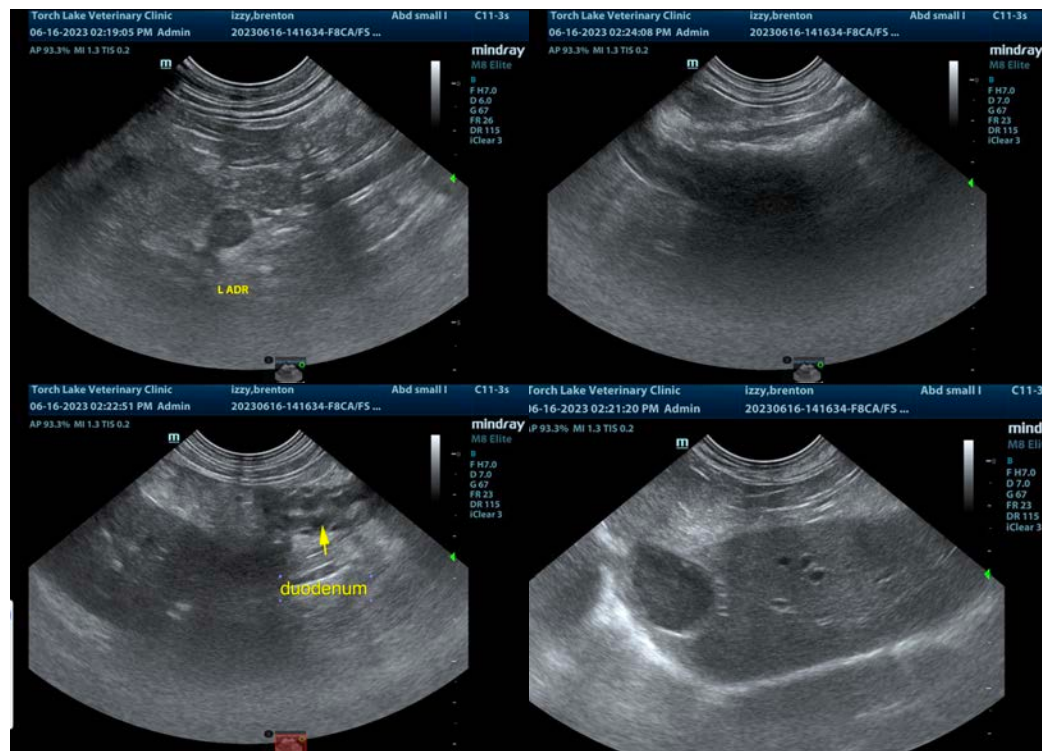
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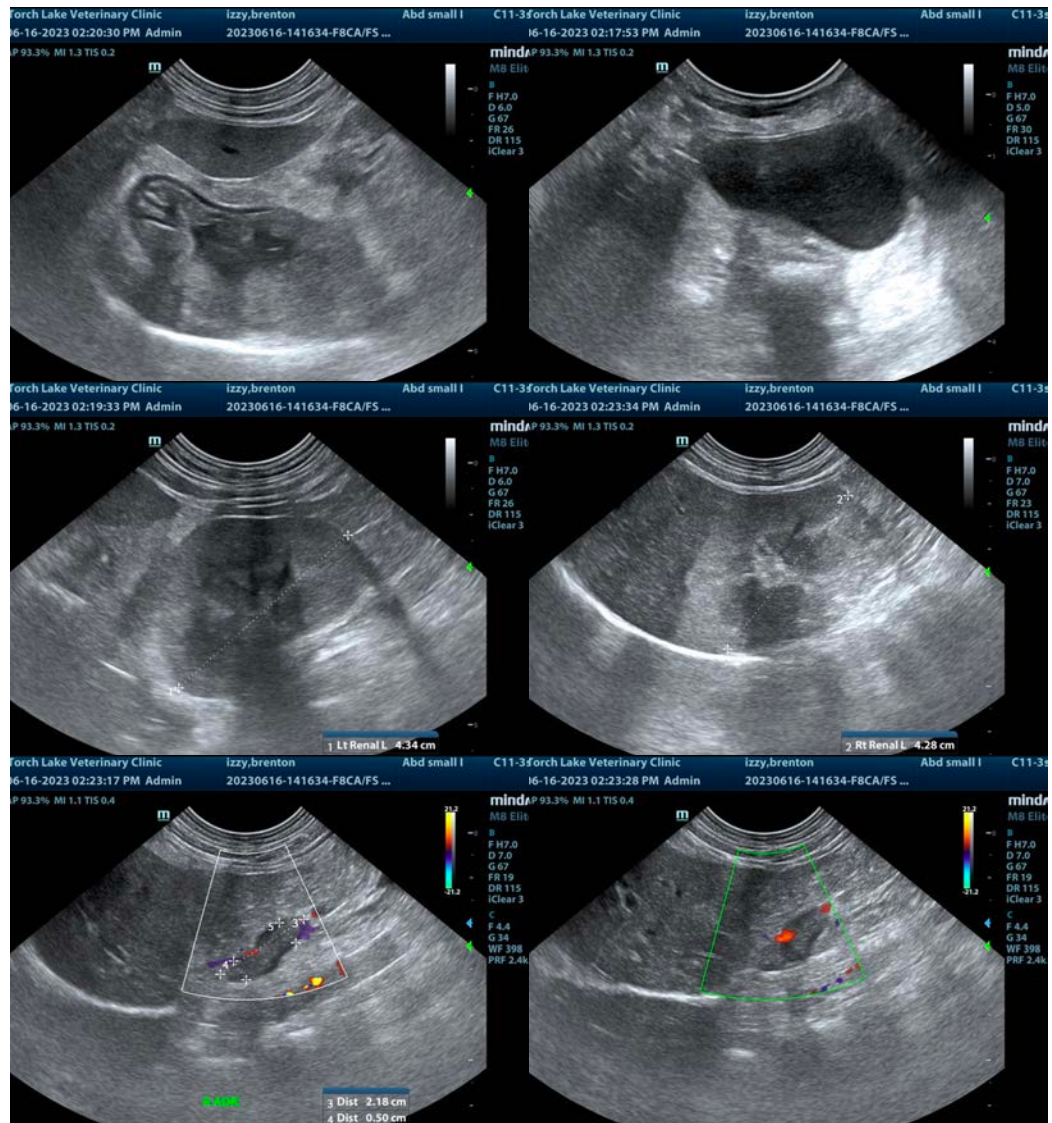
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

info@SonoPath.com