

**PATIENT**

Kelso Brewer

SPECIES

Canine

BREED

Labrador

SEX

Neutered Male

AGE

2 Years

WEIGHT

81.4 Pounds

INTERPRETED BYEric Lindquist, DMV
DABVP, Cert. IVUSS**IMAGING PERFORMED BY**

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging MI

REFERRING VETUnion Lake VH -
Dr. Jennifer Herdon**INVOICE**

44472

DATE

1/25/23

PRESENTING CLINICAL SIGNS

Ate sock on tues 1/17/23, passed full sock on sunday (found in stool). Wasn't missing pieces. Vomiting started this AM at 6:00. Ate last night at 5 PM-- took a few bites of breakfast, but returned from work to food remaining. Vomit in his kennel, then 2 x foam/clear. Drinking a little water - not V that immediately. No meds. Off HWP. Normal BM.

Abnormal PE/Chem/CBC/UA Results: Elevated WBC count

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**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 were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 right kidney measured 5.97 cm. The left kidney measured 6.81 cm.

Adrenal Glands

The **left 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 left adrenal gland measured 0.53 cm at the cranial pole and 0.53 cm at the caudal pole.

The region of the **right adrenal gland** was imaged, no evident pathology.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The spleen was folded upon itself cranially and caudally. 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.

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

Gastrointestinal

The upper **gastrointestinal tract** revealed a fairly empty stomach with some gas. However, the upper small intestine was dilated and spastic. An approximately 4-5 cm progressively shadowing foreign body was noted in the mid small intestine, followed by empty small intestine, creating an obstructive pattern.

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Reactive mesentery noted around portions of the small intestine. The colon revealed hard stool or possible further foreign matter.

Pancreas

SPECIES

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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.

BREED

Labrador

ULTRASONOGRAPHIC FINDINGS

- Intestinal obstructive pattern with shadowing foreign matter, likely fabric or similar
- Possible concurrent foreign matter in the colon

SEX

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Exploratory surgery warranted with intestinal biopsies. Manual palpation or manipulation of the colon also recommended to evacuate any foreign matter that may have passed the ileocecal.

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According to SonoPath research presented at ECVIM 2016 (Stockholm, Sweden), Advances in Small Animal Medicine and Surgery (May 2017), and EVDI 2017 (Verona, Italy), concurrent underlying chronic inflammatory neoplastic intestinal disease can often reside in PICA patients. Therefore, surgical biopsies are essential in this case regardless of the exploratory findings.

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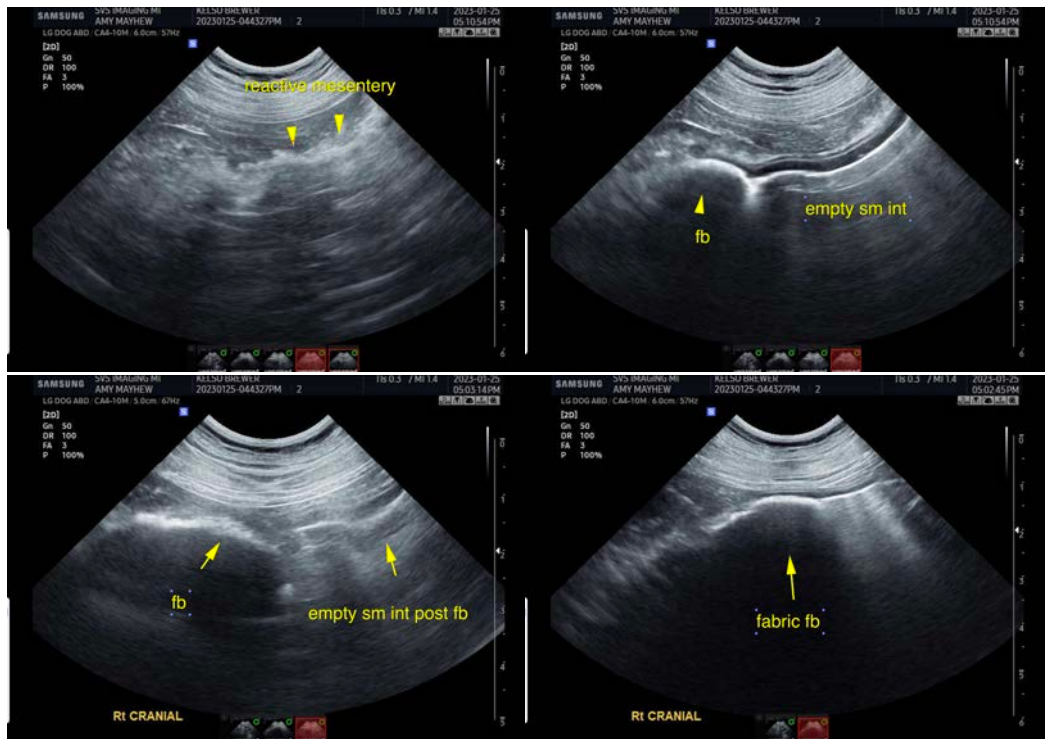
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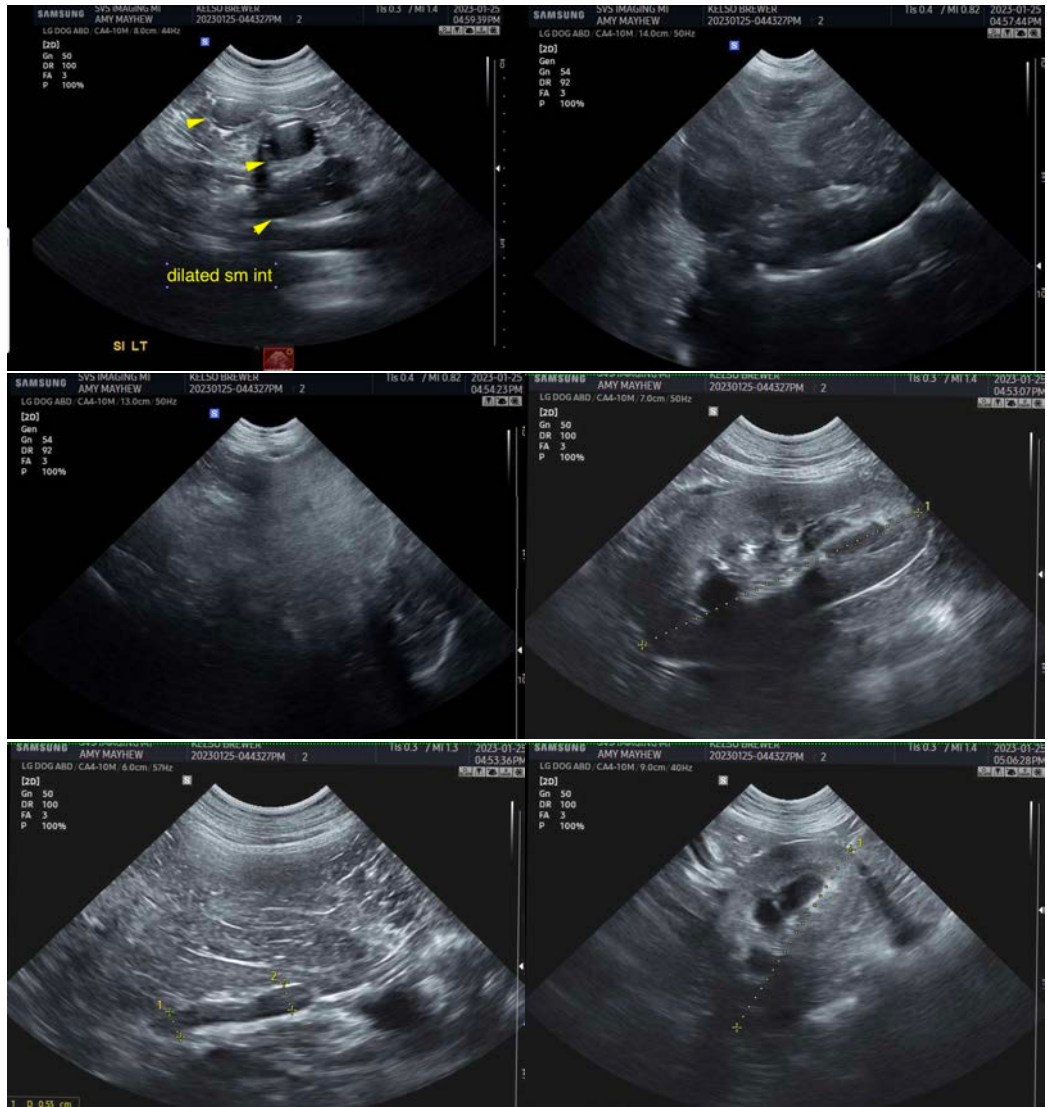
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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, Cert. IVUSS, CEO of SonoPath.com

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