



**PATIENT**

Maddux White

**SPECIES**

Canine

**BREED**

Mini Australian Shepherd

**SEX**

Neutered Male

**AGE**

9 Years 10 Months

**WEIGHT**

18.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV

DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kalenius

**HOSPITAL NAME**

Willamette VH

**REFERRING VET**

Dr. Cohen

**INVOICE**

35588

**DATE**

2/10/22

**PRESENTING CLINICAL SIGNS**

Presented to rDVM today for lethargy vomiting and abdominal pain  
Abnormal PE/Chem/CBC/UA Results: rDVM labs CHEM 17 = GLOB 4.7, ALT HIGH, ALKP 809, GGT 16, TBIL 4.8, CHOL 359, all other values wnl CBC = RBC 10.11 M/ul, HCT 66.6%, HGB 23.5 g/dl. PE = obese, injected MM, 10% dehydrated, mild icterus, bilirubinuria, abdominal pain. Afebrile

**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 **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 4.23 cm. The left kidney measured 4.1 cm. Hyperechoic medullary rim sign noted in both kidneys.

**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 right adrenal gland measured 0.46 cm. The left adrenal gland measured 1.64 cm x 0.46 cm at the caudal pole and 0.42 cm at the cranial pole.

**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 were noted.

**Liver**

The **liver** presented slight increased portal markings. The gallbladder revealed a minor amount of debris without significant overdistention. Liver size was unremarkable. The common bile duct measured 2.0 mm.

**Gastrointestinal**

The **stomach** was filled with ingesta. The small intestine and colon were unremarkable.

**Pancreas**

Hyperechoic **pancreatic** remodeling noted without evidence of active inflammation.

**ULTRASONOGRAPHIC FINDINGS**

- Acute on chronic hepatic insult/cholangiohepatitis pattern



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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

No evidence of surgical disease. Leptospirosis or similar insult should be considered. FNA or liver biopsy indicated. No evidence of post-hepatic obstruction.

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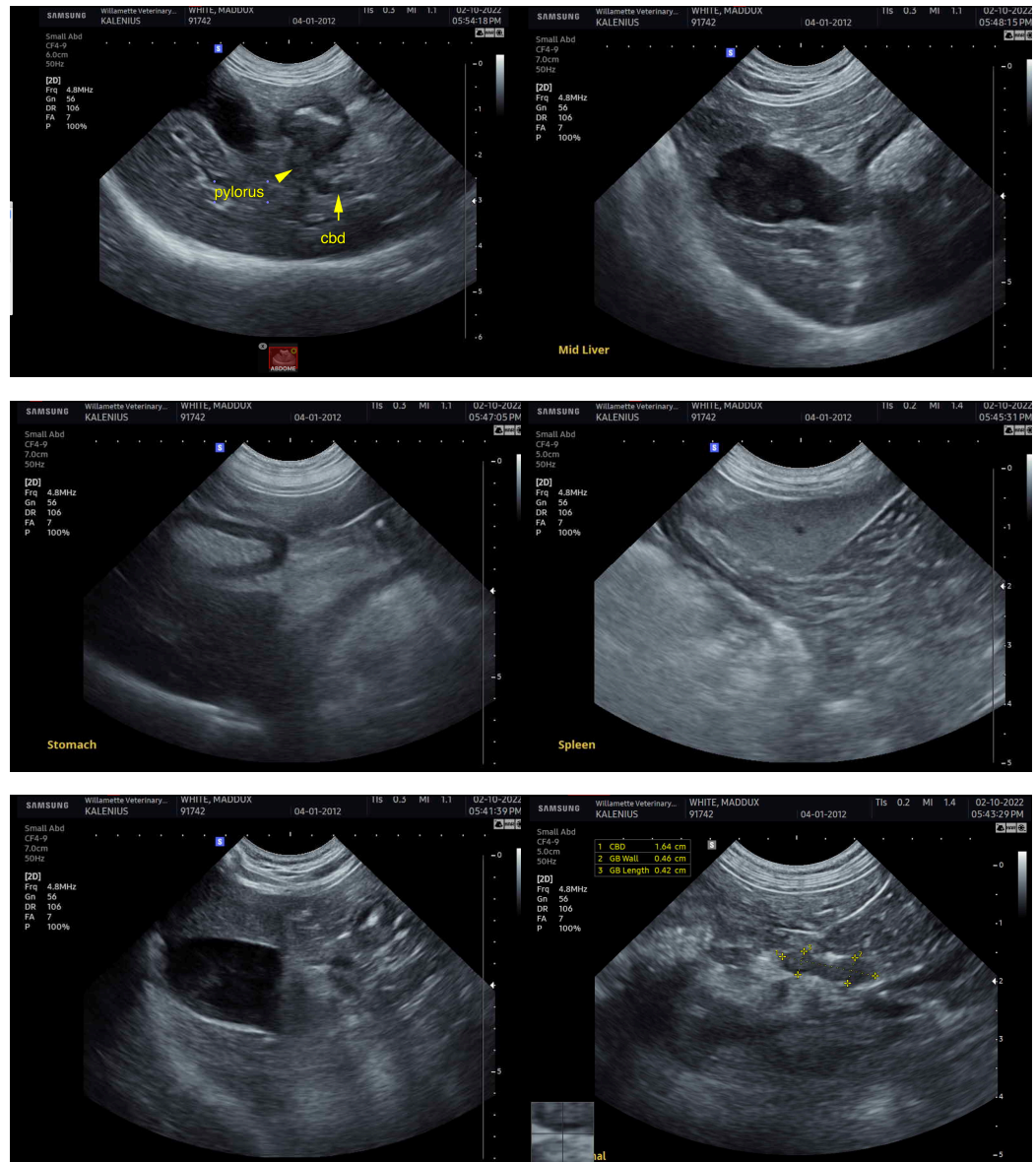
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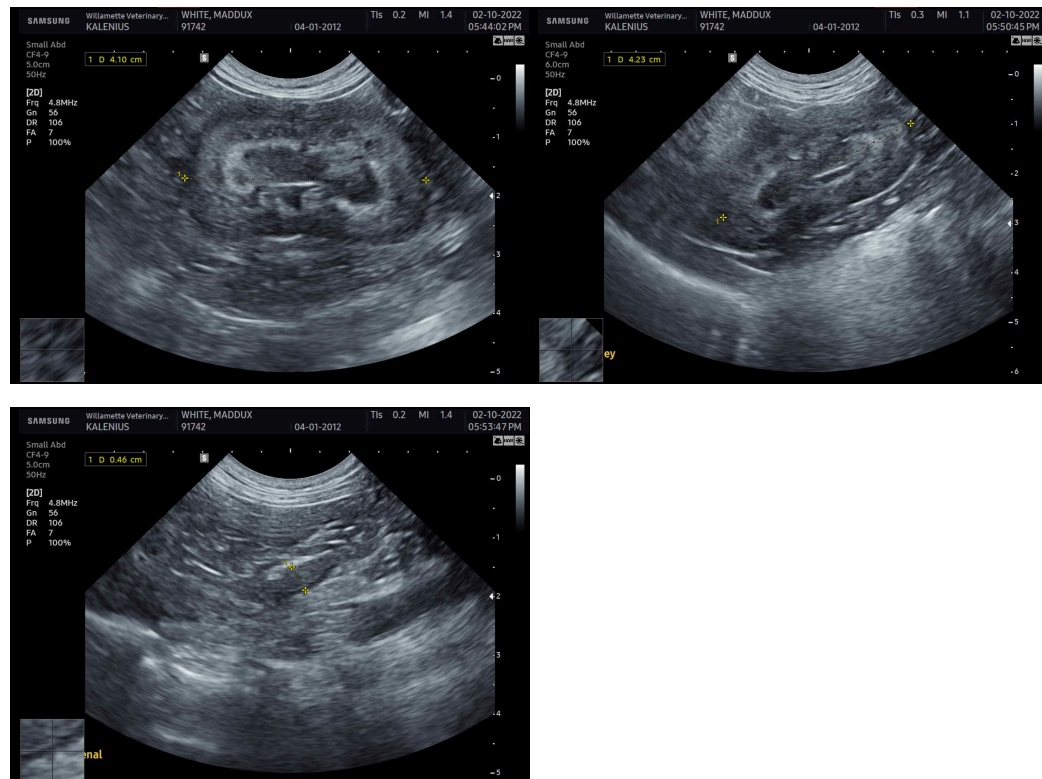
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

[info@SonoPath.com](mailto:info@SonoPath.com)