



**PATIENT**

Sam Russell

**SPECIES**

Canine

**BREED**

Welsh Corgi X

**SEX**

Neutered Male

**AGE**

13 Years

**WEIGHT**

21.6 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Jessica Bailes

**HOSPITAL NAME**

All Creatures Great &  
Small Corvallis

**REFERRING VET**

Dr. Beth Marszewski

**INVOICE**

26941

**DATE**

11/8/21

**PRESENTING CLINICAL SIGNS**

Elevated liver values noted last Wednesday - denamarin, metronidazole started ( was pre - op panel for dental cleaning) Started vomiting Thursday/Friday - cerenia added. No more vomiting but patient now anorexic, lethargic and PU/PD.

Abnormal PE/Chem/CBC/UA Results: Exam today: visibly icteric, painful abdomen; weight loss of 2 lbs since last Wednesday BW last Wednesday: TP 7.7 (5.0-7.4) mod-marked increased ALT 715 (12-118) mod-marked increased ALP 899 (5-131) Bloodwork today: BC (45.17) mostly neutrophils/toxic, PLT (644), Decreased HGB in Retics. Chem: Phos (7.6), Glob (4.7), ALT and AP can not be read w/out dilution, GGT (43), TBIL (12.9), Chol (405), Cl- (104), Na (141), K+(3.4) Will dilute sample to get ALT results. Still no results with 1:2 dilution for ALT. B

**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. Slight mineralization noted in both kidneys. The right kidney measured 5.24 cm. The left kidney measured 4.22 cm.

**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 left adrenal gland measured 0.6 cm. The right adrenal gland measured 0.5 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 were noted.

**Liver**

The **liver** itself was mildly enlarged with slight coarse architecture. The gallbladder was severely inflamed and rounded with striating bile, measuring approximately 5.0 cm x 5.0 cm. Slight areas of free fluid noted around the gallbladder along with significant inflammation. The common bile duct was dilated with mucus debris and regional inflammation.

**Gastrointestinal**

The **stomach** itself was unremarkable. Minor duodenal thickening noted.



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**Pancreas**

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The **pancreas** presented mixed echogenic changes with inflammation extending from the portal hilus owing to the gallbladder pathology and involving the right limb of the pancreas.

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- Inflamed gallbladder mucocele with concurrent inflammatory hepatopathy

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Welsh Corgi X

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Immediate cholecystectomy and common bile duct lavage indicated in this patient. The surgeon should be prepared for a very friable common bile duct at the level of the duodenal papilla. The common bile duct measured 7.0 mm in width prior to the duodenal papilla. Liver biopsy also indicated.

**SEX**

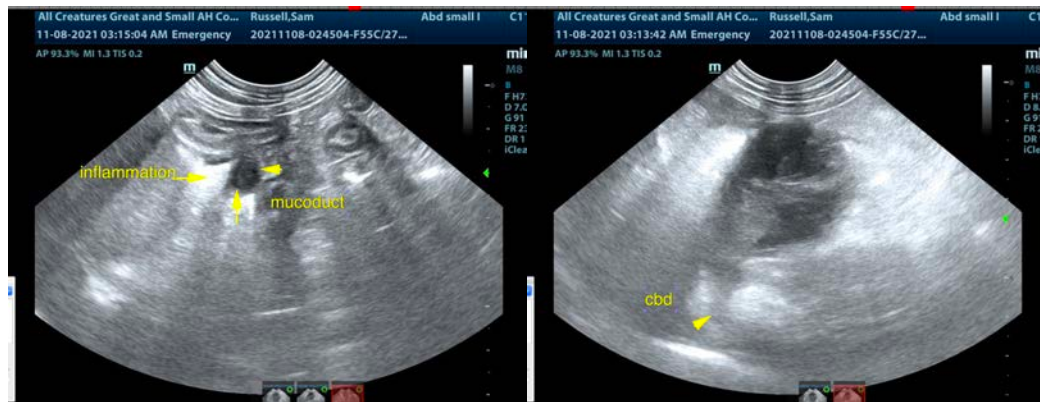
Neutered Male

**AGE**

13 Years

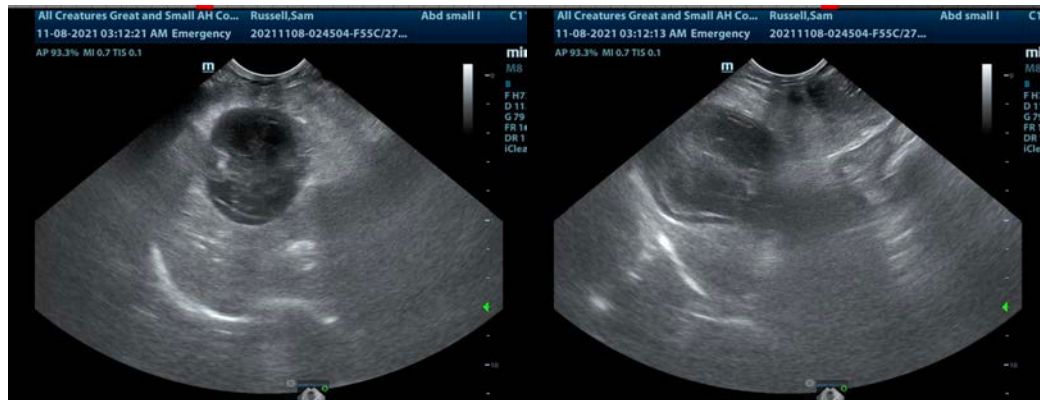
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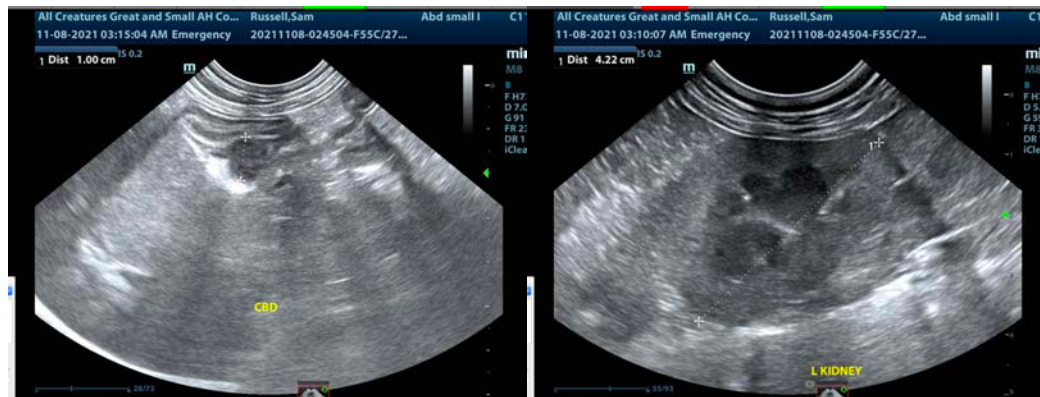
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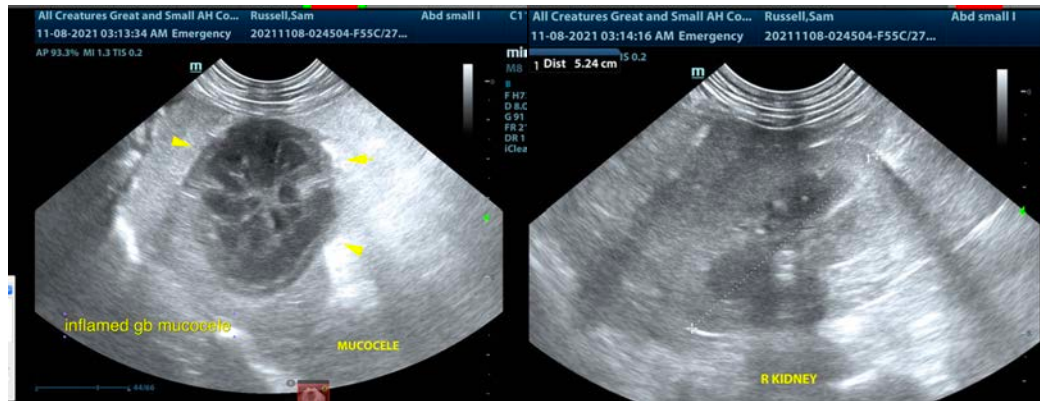
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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