



PATIENT

Cabella Calkins

SPECIES

Canine

BREED

Pitbull

SEX

Spayed female

AGE

11 years

WEIGHT

49 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly O'Malley

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Jimmerson

INVOICE

32941

DATE

9/16/22

PRESENTING CLINICAL SIGNS

History: Severe Anemia of unknown origin. Lethargic and pale gums for 1wk.
Abnormal PE/Chem/CBC/UA Results: PE - QAR, mm light pink + moist, crt <2s. Grade 2-3 left apical murmur, lungs wnl, severe generalized muscle wasting, abd tense on palpation, Normal Inn palpation, lenticular sclerosis. Sunnyside rdvm 9/8/22 CBC- Hct 22%, non-regenerative anemia Chem- nsf UA- USG 1.046, pH 6.0, Protein 1+. WBC 0-2/hpf, RBC 0-2/hpf FecalO&P- negative 9/15/22 PCV 19% TP 6.2 g/dL Radiograph (3-view)- normal appearance of thorac an abdomen, no visible abdominal masses WVH 9/15 CBC- RBC 1.83, HCT 11.8, 3.8, MPV 17.9, Chem17 (need evidence of hemolysis elevated Tbili, hematuria or spherocytes)- Lytes Lactate 1.88- normal Pre-transfusion PCV 14% TS 6.8 g/dL ON 9/15-16 2am Post-transfusion PCV 23% TS 6.4 g/dL 9/16 10am PCV 24% TS 6g/dL 7pm PCV 23% TS 6.4 g/dL 9/17 2am PCV 23% TS 6 g/dL

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 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. The capsules were acceptably uniform without significant irregularities. The left kidney revealed slight pyelectasia, this may be owing to fluid therapy. The right kidney measured 6.78 cm. The left kidney measured 6.0 cm.

Adrenal Glands

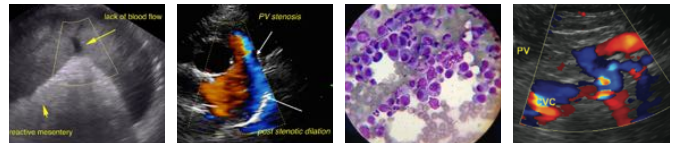
Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient.

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.

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



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

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Gastrointestinal

The upper **gastrointestinal tract** was unremarkable with normal curvilinear patterns and empty lumen; however, the colon was thickened with some loss of mural detail.

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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.

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ULTRASONOGRAPHIC FINDINGS

Colitis pattern.

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49 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

14 still images and 11 videos were submitted

I suspect immune mediated or infectious disease with secondary edematous gallbladder owing to suspected immune mediated disease and resultant edematous gallbladder and concurrent colitis. There was no evidence of hemorrhage or neoplasia.

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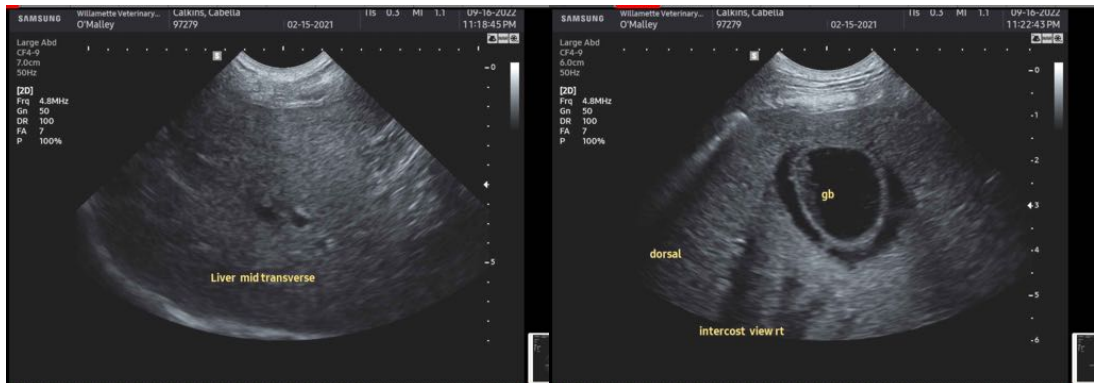
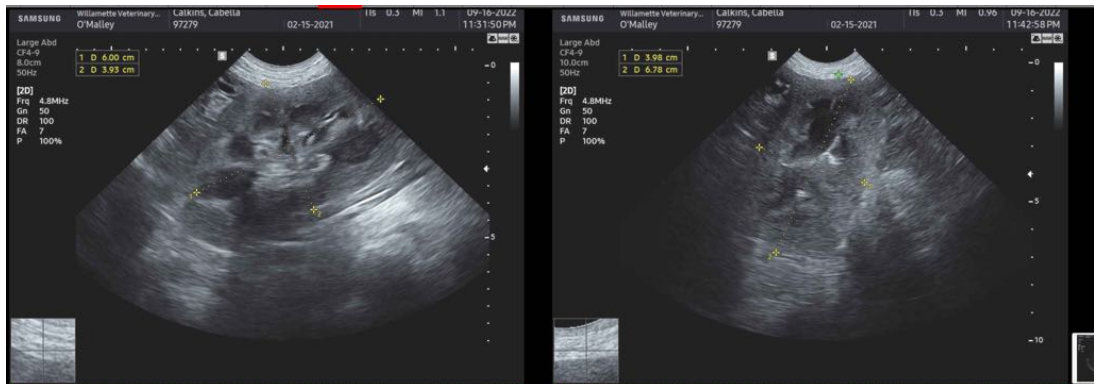
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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