



PATIENT

PRESENTING CLINICAL SIGNS

Blaze Eveleth

History: O noticed that P has been lethargic since Friday, lower energy and not interacting as much. P has had a significant increase in water consumption starting yesterday afternoon and more inappetent starting yesterday afternoon as well. P is still eating but less interested in food and will only eat with a little bit of pumpkin added to food. P v+ at 6pm, 9pm, 9:30 P V+ was a dark mucousy color that O believed could be blood. When walking inside P went down in the hind end around 10pm this evening. P has not been able to walk since then. O stated this was a sudden onset and did it did not seem to her like P has been painful. meds: apoquel, monthly flea medication, fish oil S/O: _QAR, mm pnk/mst, crt <2, grade 6/6 systolic murmur, normal bv sounds currently, no respiratory effort noted, no nasal discharge noted, abd sl tense, Inn wnl_

SPECIES

Canine

BREED

Golden

SEX

Spayed female

Abnormal PE/Chem/CBC/UA Results: CBC- HCT 40.5%, LYM 0.69, PLT 142, CHEM 17- GLU 43, ALT 625, ALP 727, GGT 18, tbili 4.1, EPOC- 42%, LAC 16.42, GLU 54, pH 7.35, Bicarb 13.5, UA with sediment- USG 1.022, pH 5.0, wbc 2/hpf, rbc 9/hpf, suspect presence cocci, non-squam 3-5/hpf, >1 Non-Hyaline Casts, 7am EPOC- HCT 39%, GLU 98, CI 105, K+ 3.2, LAC 13.73

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

AGE

9 years

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.

WEIGHT

50.2 lbs

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 left kidney measured 7.4 cm and the right kidney measured 6.8 cm.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Neuhaus

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.

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Spleen

The **spleen** was enlarged with scalloping contour and was folded upon itself with subtle, heterogenous, micronodular changes. There is a strong concern for infiltrative disease.

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Liver

The **liver** was subjectively swollen. The portal markings were slightly increased. Hypoechoic nodules were noted in the liver with swollen, irregular contour. Vascular and biliary tracts were of normal volume with no evidence of congestion. There were no overt masses; however, there is a strong potential for infiltrative disease. The gallbladder presented a minor amount of debris and an edematous

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wall likely owing to the ascites. . The cystic and common bile ducts were normal. A slight amount of free fluid was noted between the liver lobes.

SPECIES

Gastrointestinal

Canine

The **stomach** was over distended with anechoic fluid and echogenic debris. The pylorus appeared patent. Variable intestinal thickening and masses were noted measuring up to 3.0 cm with reactive surrounding mesentery. The regional lymph nodes were mildly enlarged.

BREED

Golden

Pancreas

SEX

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.

Spayed female

AGE

ULTRASONOGRAPHIC FINDINGS

9 years

Infiltrative splenic and hepatic patterns with multi-focal, intestinal masses and secondary free fluid. Round cell neoplasia is strongly suspected.

WEIGHT

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

50.2 lbs

FNA of the intestinal masses, spleen and liver are indicated. The prognosis is guarded to poor depending upon eventual responsiveness to chemotherapy.

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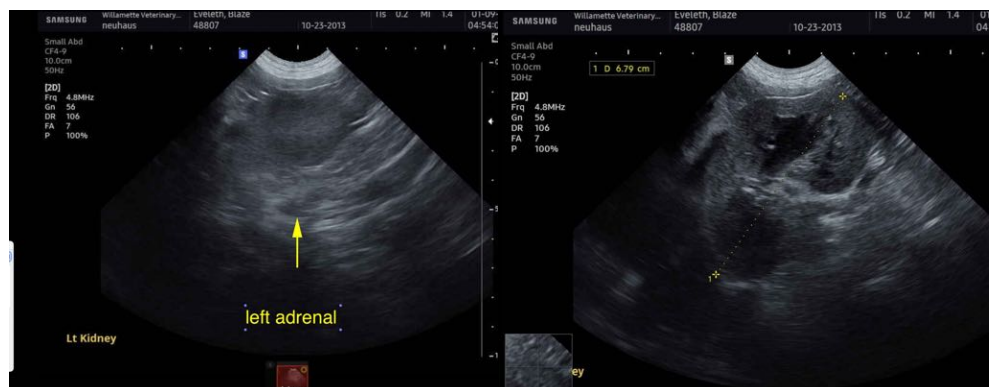
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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