

PATIENT

Maya Whitbeck

SPECIES

Canine

BREED

Aussie Cross

SEX

Spayed female

AGE

3 years

WEIGHT

50.5 lbs

PRESENTING CLINICAL SIGNS

History: Presented 2/13/23 for 6d lethargy, hyporexia, left-sided epistaxis. Melena started day of presentation. At-home veterinarian came to house and rx'd carprofen and enro. O stopped giving meds the last two days.

Abnormal PE/Chem/CBC/UA Results: CBC- RBC 3.28, HCT 22.0, HGB 7.7, WBC 99.74, NEU 11.84, LYMP 13.34, MONO 74.28, PLT 7, PLTCRT 0.01, CHEM 17- ALT 233, CHOL 87 EPOC - HCT 25%, GLU 139, pH 7.53, OSU PATHOLOGIST CBC INTERPRETATION: Interpretation: Hemic neoplasia -- acute leukemia or leukemic phase of lymphoma Moderate non-regenerative anemia Mild neutrophilia with mild toxicity and mild to moderate dysplasia Few mast cells Likely true thrombocytopenia with some spurious decrease due to clumping Comments: The morphology and number of the unclassified cell population is consistent with either acute leukemia or leukemic phase of lymphoma. Either differential can be associated with organomegaly as reported on imaging. The somewhat bizarre nuclear morphology of these cells raises the possibility of acute leukemia with monocytic differentiation. However, additional testing is needed to classify this as acute leukemia or lymphoma and to phenotype this population. Flow cytometric evaluation of this sample is highly recommended, as is retroviral testing (if not already performed).

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.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Jimmerson

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Jimmerson

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 left kidney measured 6.15 cm and the right kidney measured 6.6 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 1.57 x 0.38 cm at the caudal pole and 0.45 cm at the cranial pole. The right adrenal gland measured 0.4 cm.

Spleen

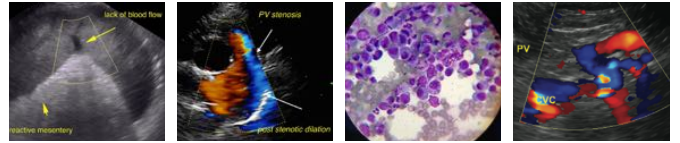
The **spleen** was enlarged and mildly irregular. The spleen was folded upon itself.

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Liver

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The **liver** was enlarged and appeared uniform, yet the vascular volume appeared compressed. There was no evidence of passive congestion. The gallbladder and common bile duct were unremarkable.

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Gastrointestinal

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Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

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Pancreas

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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.

WEIGHT

50.5 lbs

Free Abdomen

A mild amount of echogenic free fluid was noted.

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ULTRASONOGRAPHIC FINDINGS

Splenomegaly and hepatomegaly.

Secondary free fluid.

IMAGING PERFORMED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is a strong concern for round cell neoplasia. Mast cell disease, lymphoma or similar is suspected. Benadryl injection, abdominocentesis and cytopsin is recommended along with 25-gauge FNA of the spleen and liver are all indicated. Coagulation panel is likely best prior to sampling. The prognosis is very guarded.

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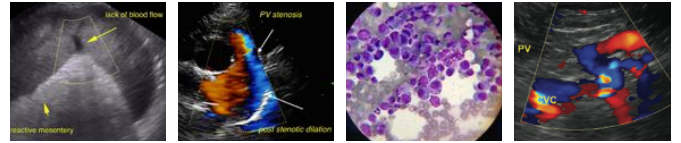
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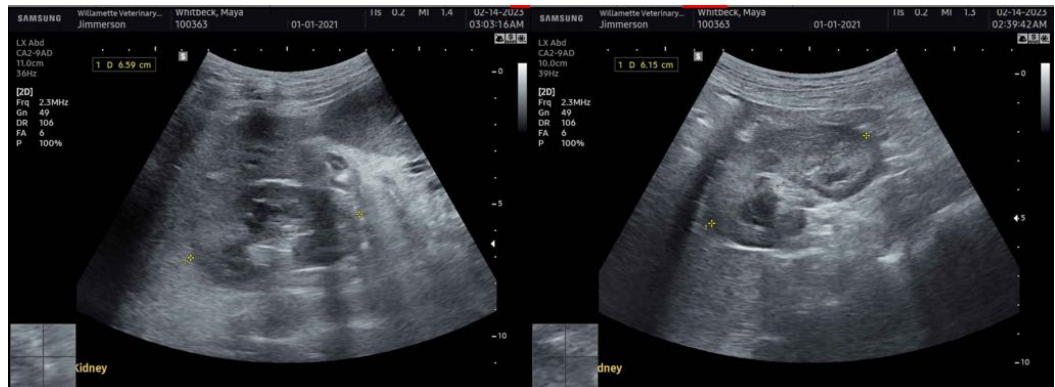
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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