



PATIENT

Whiskey Pete Leonard

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

11 years

WEIGHT

11.28 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Welch

HOSPITAL NAME

Long Valley AH

REFERRING VET

Dr. Welch

INVOICE

30444

DATE

5/17/22

PRESENTING CLINICAL SIGNS

History: Presented for weight loss and large caudal chain mammary tumor over past few months. Severe changes on CBC (see below). Down 2.5 -3 lbs in 1 year, 2lbs in 3 months. Indoor/ outdoor. On palpation - thickening noted in cranial -mid abdomen and P seemed slightly sensitive.

Abnormal PE/Chem/CBC/UA Results: RBC 3.62 (L) Hematocrit 18.5 (L) Hemoglobin 5.0 (L) MCHC 27.0 (L) Reticulocytes 51 (H) Reticulocytes Hemoglobin 14.9 (L) WBC 83.1 (H) Neutrophils 73128 (H) Bands 4986 (H) Monocytes 831 (H) Unclassified 831 (H) Platelets 74 (L) Scan of blood film revealed adequate platelet numbers Anion Gap 26 (H) ALT 21 (L) FIV/FELV - neg Blood film review : Severe anemia is noted, consistent with decreased erythrocyte density in the smear. Marginal regenerative response is evident and is inadequate in view of severe anemia. Recommend monitoring for improved marrow response. Acute blood loss/preregenerative phase is possible. If this picture persists, primary concern may be marrow disease/dysfunction. Marked inflammation is evident. Severe neutrophilia with left shift and toxic change are confirmed with review. Monocytosis may reflect inflammation or tissue demand for phagocytes. Rare cells listed in the differential count as unclassified are consistent with reactive lymphocytes. Platelets appear adequate in the smear.

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 and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 4.0 cm. The right kidney measured 4.0 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. The left adrenal gland measured 0.5 cm. The right adrenal gland measured 0.6 cm at the cranial pole and 0.4 cm at the caudal pole.

Spleen

A separate, mixed, hypoechoic mass was noted on the spleen and measured 2.0 cm with disruptive architecture.

Liver

The **liver** was riddled with multiple, target lesions. This is strongly suggestive for metastatic disease. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and



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common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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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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Neutered male

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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Free Abdomen

A mixed, hypoechoic, undifferentiated 4.0 cm mammary mass was noted on the right chain.

WEIGHT

11.28 lbs

ULTRASONOGRAPHIC FINDINGS

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Splenohepatic metastatic pattern.

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

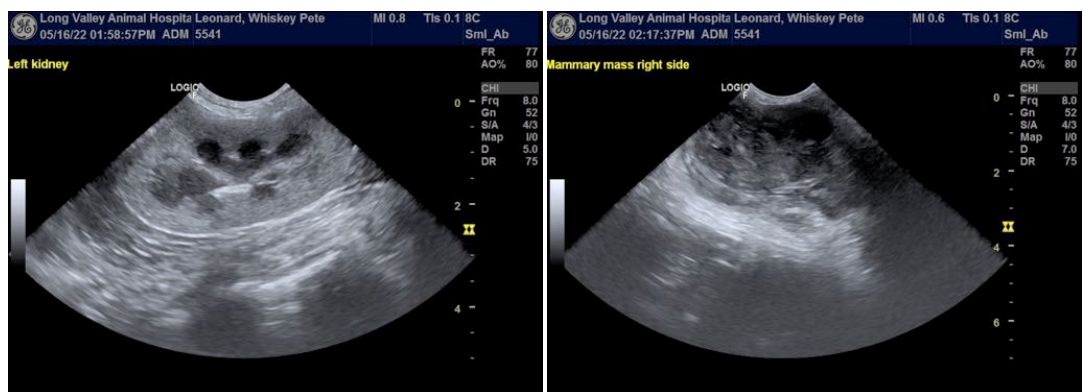
IMAGING PERFORMED BY

Ultrasound-guided FNA of the spleen and liver is warranted for confirmation. This is likely related to the mammary mass.

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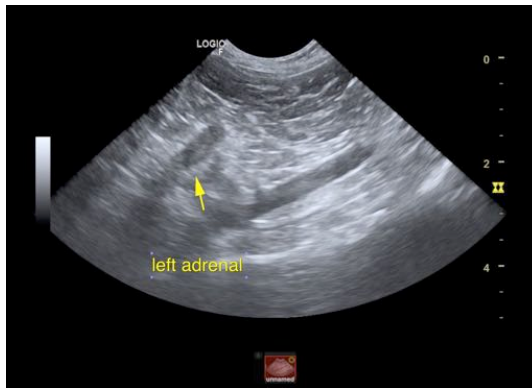
Whiskey Pete Leonard

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SEX

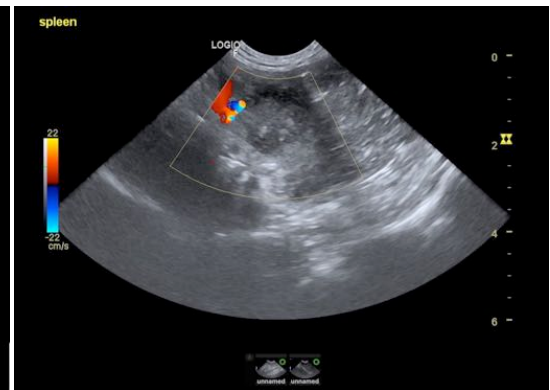
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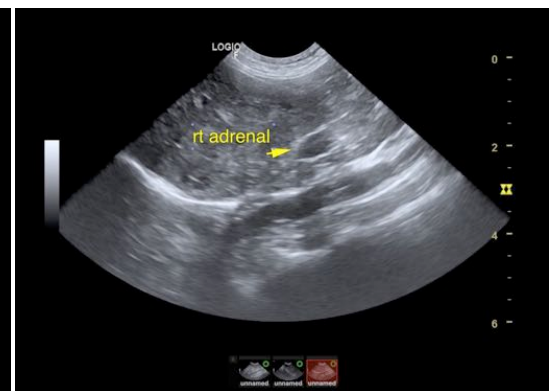
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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