



PATIENT

Winston Herman

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered Male

AGE

4 Years

WEIGHT

40 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Hayley Heindel, CVT

HOSPITAL NAME

Mason Dixon Animal
Emergency Hospital

REFERRING VET

Dr. Bateman

INVOICE

44568

DATE

8/10/23

PRESENTING CLINICAL SIGNS

ITP, hx of arthritis, lethargy, large spleen on palpation
Abnormal PE/Chem/CBC/UA Results: RBC 4.7, HCT 29%, HGB 10.9, Retic 3.3, PLT 28

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 pelvic urethra was imaged 3.0 cm beyond the cystourethral junction.

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 7.75 cm. The right kidney measured 7.48 cm.

Adrenal Glands

The **left adrenal gland** was visualized obliquely at 0.50 cm.

The **right adrenal gland** was not visualized.

Spleen

The **spleen** was mildly enlarged with slight scalloping contour. Minor granular appearance.

Liver

The **liver** presented swollen contour and increased portal markings. The gallbladder and common bile duct were unremarkable.

Gastrointestinal

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.

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.

ULTRASONOGRAPHIC FINDINGS

- Splenohepatomegaly with mild hepatic remodeling – strong concern for emerging round cell neoplasia.



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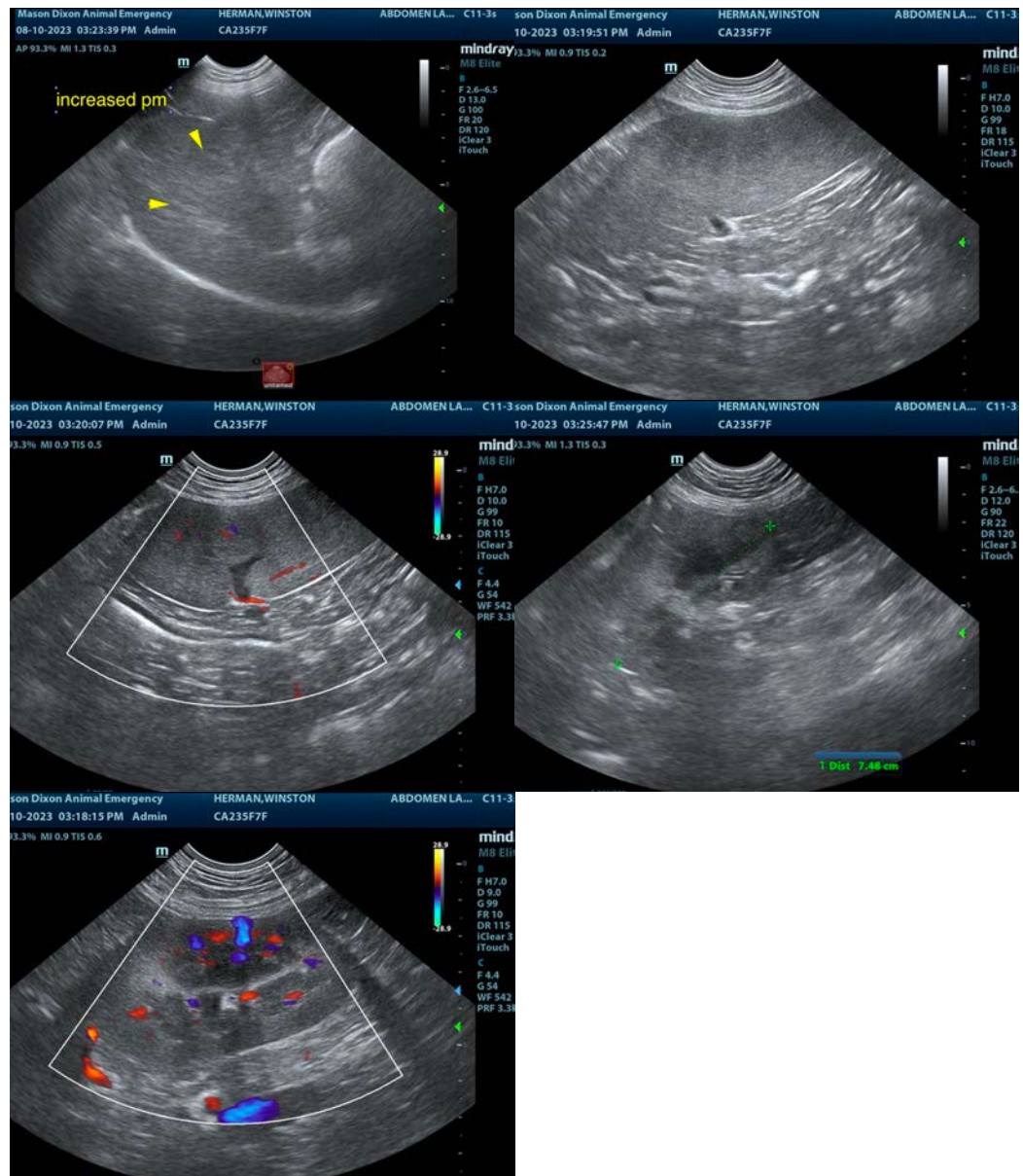
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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA spleen and liver, CBC path review +/- bone marrow aspirates indicated. The changes are subtle yet evident and merit sampling. Prognosis is guarded. If the samples are benign, then other causes of the clinical signs such as non-structurally significant gastritis or orthopedic pain should be considered, yet that would not explain the anemia. Chest radiographs and echocardiogram warranted to assess for other causes of anemia.





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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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com