

**DATE PRESENTING CLINICAL SIGNS**

5/5/23

History: Weight loss (approx 20lbs) and anemia for the past several months. Started on prednisone and doxycycline.

PATIENT

Penny Farley

Current Medications: Pred 20mg tapering dose, Doxycycline 10mg/kg BID x 1 week

Lab Results: Strongly regenerative anemia, elevated AlkPhos

Date of Previous IntraPet Ultrasound: No previous.

SPECIES

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Canine

Imaging Performed By: Stephanie Warga RDCS, RVT.

BREED**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Boxer Mix

Urinary System**SEX**

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.

Spayed Female

AGE

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 right kidney measured 7.45 cm. The left kidney measured 6.53 cm.

5/1/13

WEIGHT

58 Pounds

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 right adrenal gland measured 2.49 cm x 0.56 cm at the caudal pole and 0.51 cm at the cranial pole. The left adrenal gland measured 2.42 cm x 0.44 cm at the caudal pole and 0.44 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

Spleen

Generalized **splenic** enlargement was present with scalloping contour. Multifocal hypoechoic ill-defined nodules were noted in the spleen, the largest of which measured 2.6 cm x 1.75 cm. This is a coalescing micronodular reticular pattern throughout the spleen.

HOSPITAL NAME

Homeward Bound

REFERRING VET**Liver**

Exam of the cranial abdomen demonstrated excessive **liver** size, swollen contour, with conserved uniform architecture. Parenchymal echogenicity was diffusely isoechoic to the spleen and falciform fat. Minor excessive GB debris was noted with the presence gall bladder dilation and precipitate without the overt formation of mucocele but this may be an issue in the future. This type of liver presentation typically is associated with slow and gradual SAP elevations with low-grade ALT rise. USG-FNA sampling is encouraged if more aggressive LE profiles are present such as ALT > 200 or rapid rise in SAP. These presentations are usually reactive hepatopathies owing to other disease processes either endocrine (Diabetes, Hypothyroidism, Cushing's disease), "antigen surveillance" from the gut/pancreas, or idiopathic breed predisposed progressions. This is a mild change.

Dr. Sorum

INVOICE

22335

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.

Free Abdomen

The mesenteric **lymph nodes** were somewhat rounded and hypoechoic, measuring up to 1.74 cm x 1.0 cm. The sublumbar lymph nodes were enlarged, rounded, and hypoechoic.

Other

A rapid view of the **heart** revealed no evident pathology in the right auricle or pericardium. Contractility appeared normal in the heart.

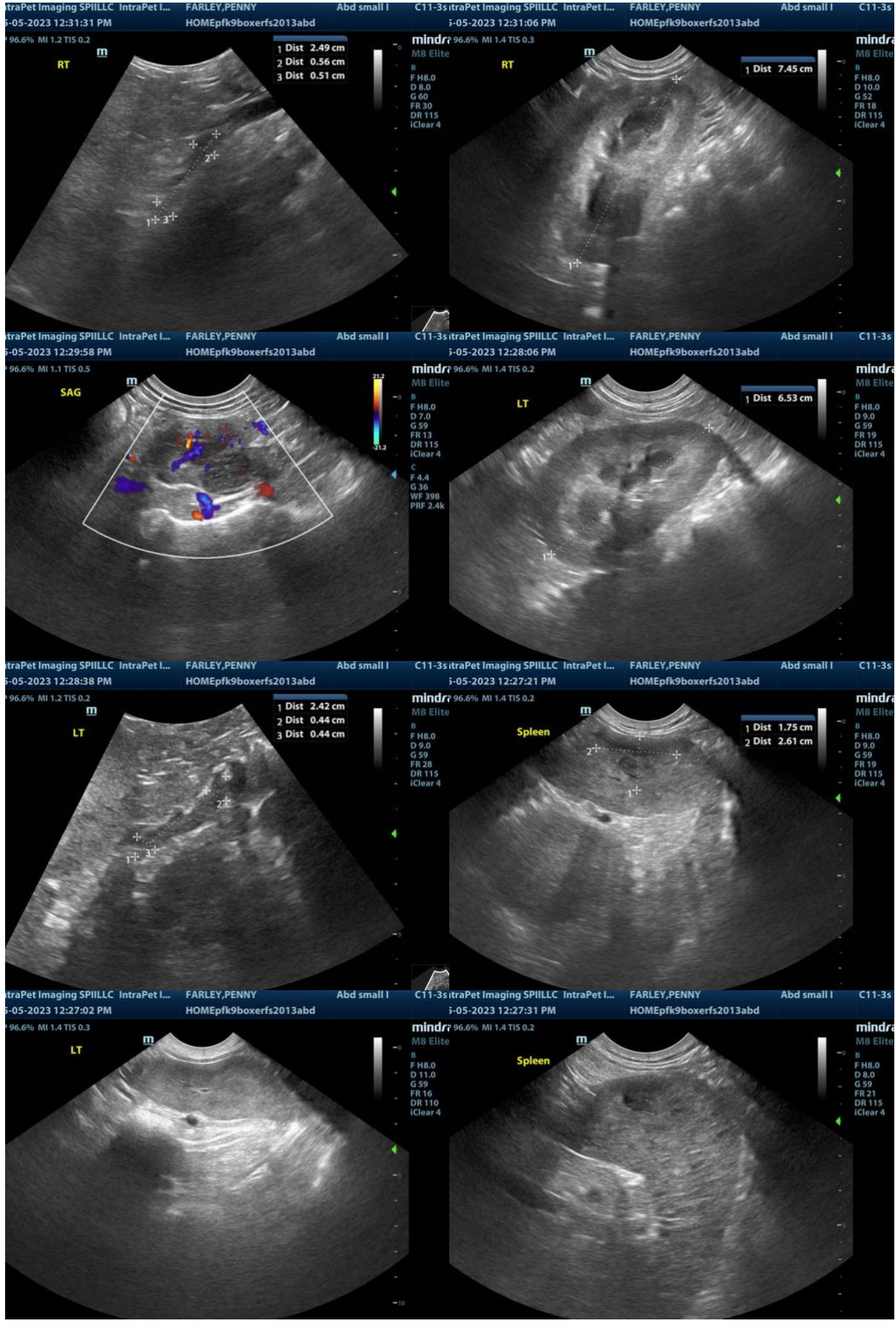
ULTRASONOGRAPHIC FINDINGS

- Splenic infiltrative pattern
- Multifocal lymphadenopathy
- Potential hepatic involvement

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen, lymph nodes and liver are recommended for staging purposes. Prognosis is guarded to poor. The presentation is most consistent with round cell neoplasia. No contraindication to chemotherapy if necessary.







The information and recommendations provided are based on the images presented by the referring veterinarian. 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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