

**DATE**

8/12/22

**PRESENTING CLINICAL SIGNS**

History: Vomiting--Now eating. Plump/enlarge liver and spleen on rads--Plan for scan tomorrow. Regenerative anemia on CBC path, with concerns about IMHA changes--holding at 30. Vestibular signs /trouble walking-- still ataxic, but able to walk. Hx of food allergy and skin allergy, on z/d

**PATIENT**

Cromwell Siler

Current Medications: Entyce, Mycophenolate, Enrofloxacin, Meclizine, Cerenia. Plan to start Pred tomorrow, change to Doxy from Baytril.

**SPECIES**

Canine

Lab Results: See attached.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

**BREED**

Maltese

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

**SEX**

Neutered Male

**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.

**AGE**

8/10/11

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some mild 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 4.63 cm. The right kidney measured 4.63 cm.

**WEIGHT**

14.3 Pounds

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS**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 1.94 cm x 0.51 cm at the caudal pole and 0.58 cm at the cranial pole. The right adrenal gland measured 1.27 cm x 0.56 cm at the caudal pole and 0.59 cm at the cranial pole.

**HOSPITAL NAME**Animal Emergency  
Hospital**Spleen**

The **spleen** was mildly enlarged with uniform, but subtly micronodular parenchyma, and undulating capsular contour. This is consistent with reactive spleen owing to immune stimulus or early infiltrative disease such as mast cell disease or lymphoma. 25-gauge FNA would be ideal if weight loss is an issue to differentiate early round cell neoplasia versus splenitis or reactive spleen all of which can present in this manner. Subtle micronodular changes were noted in the spleen.

**REFERRING VET**

Dr. Thomson

**Liver**

The **liver** was swollen with subtle hypoechoic micronodular changes. The gallbladder was unremarkable with flattened teardrop appearance. Hepatic lymph nodes were enlarged, hypoechoic and irregular.

**INVOICE**

16826

**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**

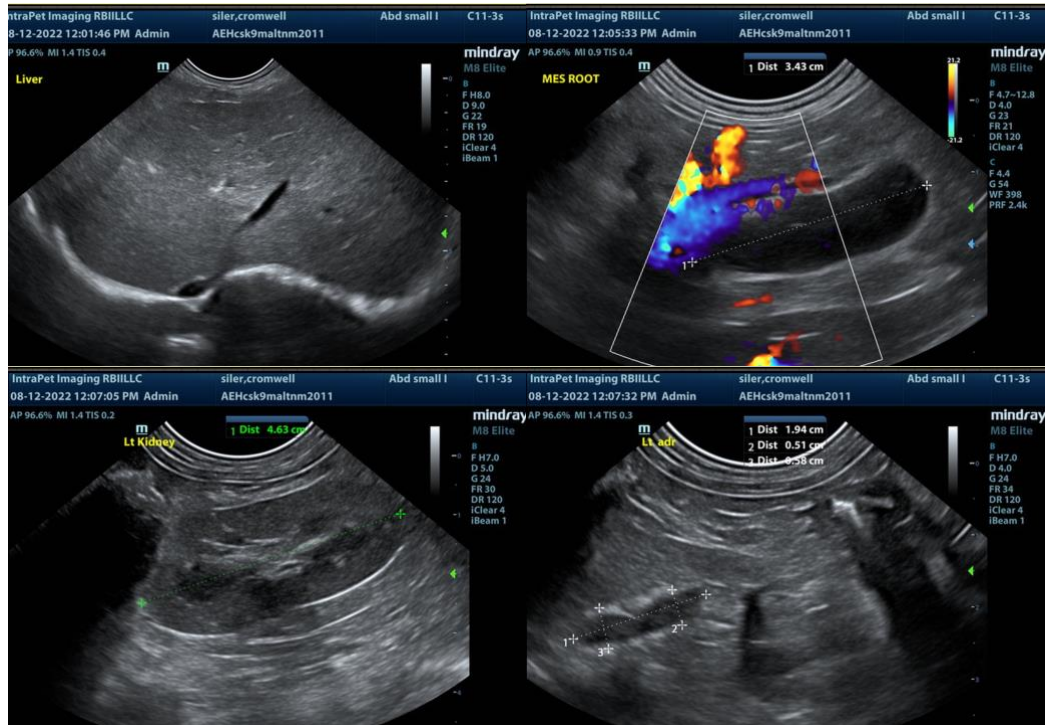
A mesenteric **lymph node** was enlarged, hypoechoic and irregular, measuring 3.4 cm x 1.05 cm. Other large lymph nodes were present.

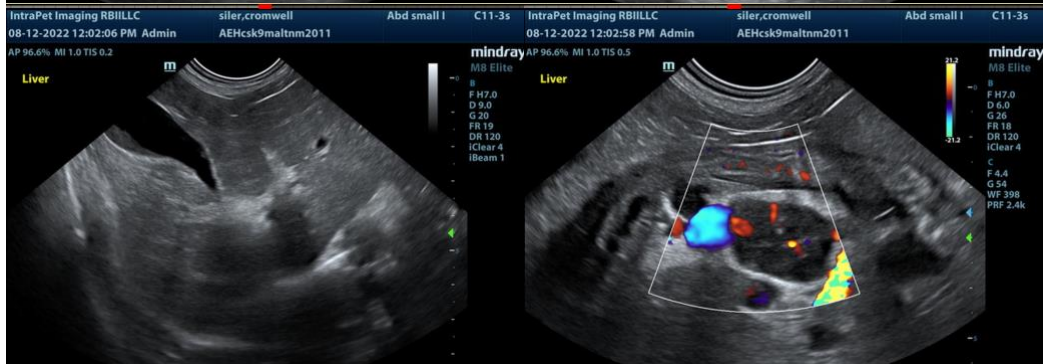
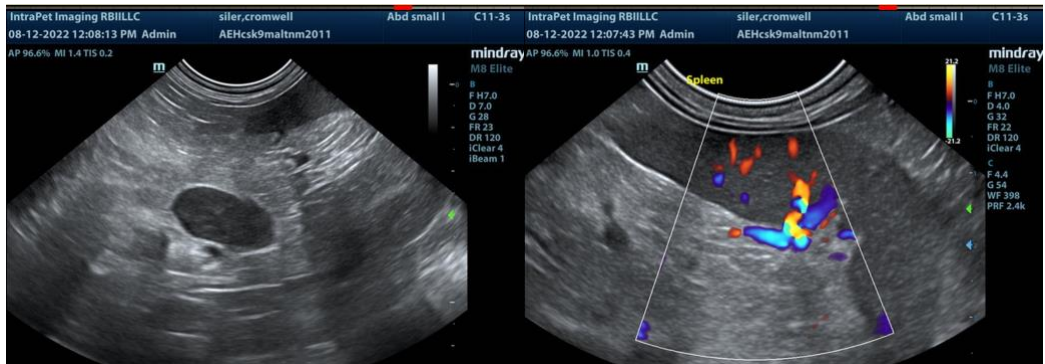
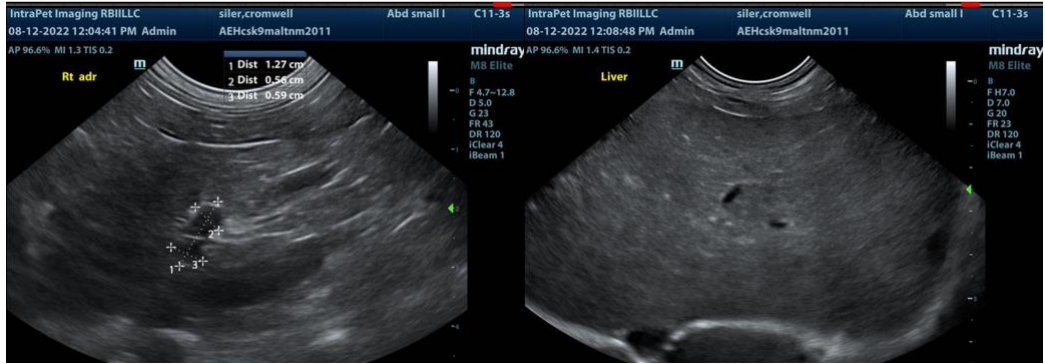
### **ULTRASONOGRAPHIC FINDINGS**

- Infiltrative splenohepatic pattern with mesenteric and hepatic lymphadenopathy

### **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Strong concern for round cell neoplasia. Coagulation panel and FNA of the spleen, liver and lymph nodes indicated. The pathology is extensive and fairly aggressive.





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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