

**DATE PRESENTING CLINICAL SIGNS**

10/1/21 Histor: Vomiting and diarrhea since 9/28/21.

**PATIENT**

Current Medications: Carafate 1Gm- 1/2 Tablet BID. Famotidine 10MG - 1/2 Tablet BID. Reglan 5Mg- 1 Tablet BID. Pet Tinic- 1ML BID.

Marti Lyon

Lab Results: Bloodwork shows- Anemia, High Spec CPL 747, High Lipase 4397.

**SPECIES**

Date of Previous IntraPet Ultrasound: No previous

Canine

Sedation: not needed

Stat Report: not requested

**BREED**

Mini Pinscher Mix

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN****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.

Neutered Male

**AGE**

2008

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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 right kidney measured 4.66 cm. The left kidney measured 4.93 cm.**WEIGHT**

14.9 Pounds

**Adrenal Glands****INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSBoth **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 2.57 cm x 0.7 cm at the caudal pole and 0.72 cm at the cranial pole. The left adrenal gland measured 1.77 cm x 0.67 cm at the caudal pole and 0.63 cm at the cranial pole.**HOSPITAL NAME**

Animal Emergency H

**Spleen**The **spleen** in this patient was uniform, yet volume contracted. Hydration status should be assessed.**REFERRING VET**

Dr. Goessling

**Liver**The **liver** was enlarged and irregular with multifocal hypoechoic nodular changes with gallbladder calculus. Undifferentiated left sided liver mass noted, measuring at 10+ cm with regional free fluid. Multiple disruptive changes noted throughout the liver.**INVOICE**

13439

**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**Nodular changes noted throughout the **pancreas** which may be the primary source of the neoplastic event.

### **Free Abdomen**

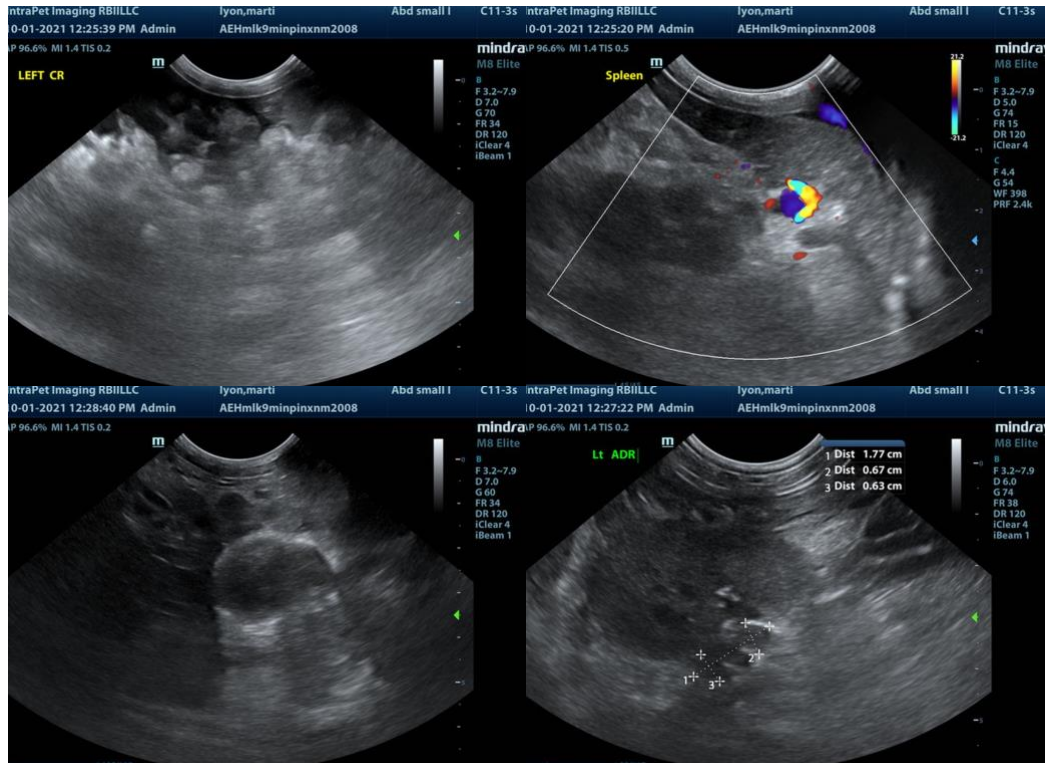
Cranial abdominal lymphadenopathy noted with nodular omental changes.

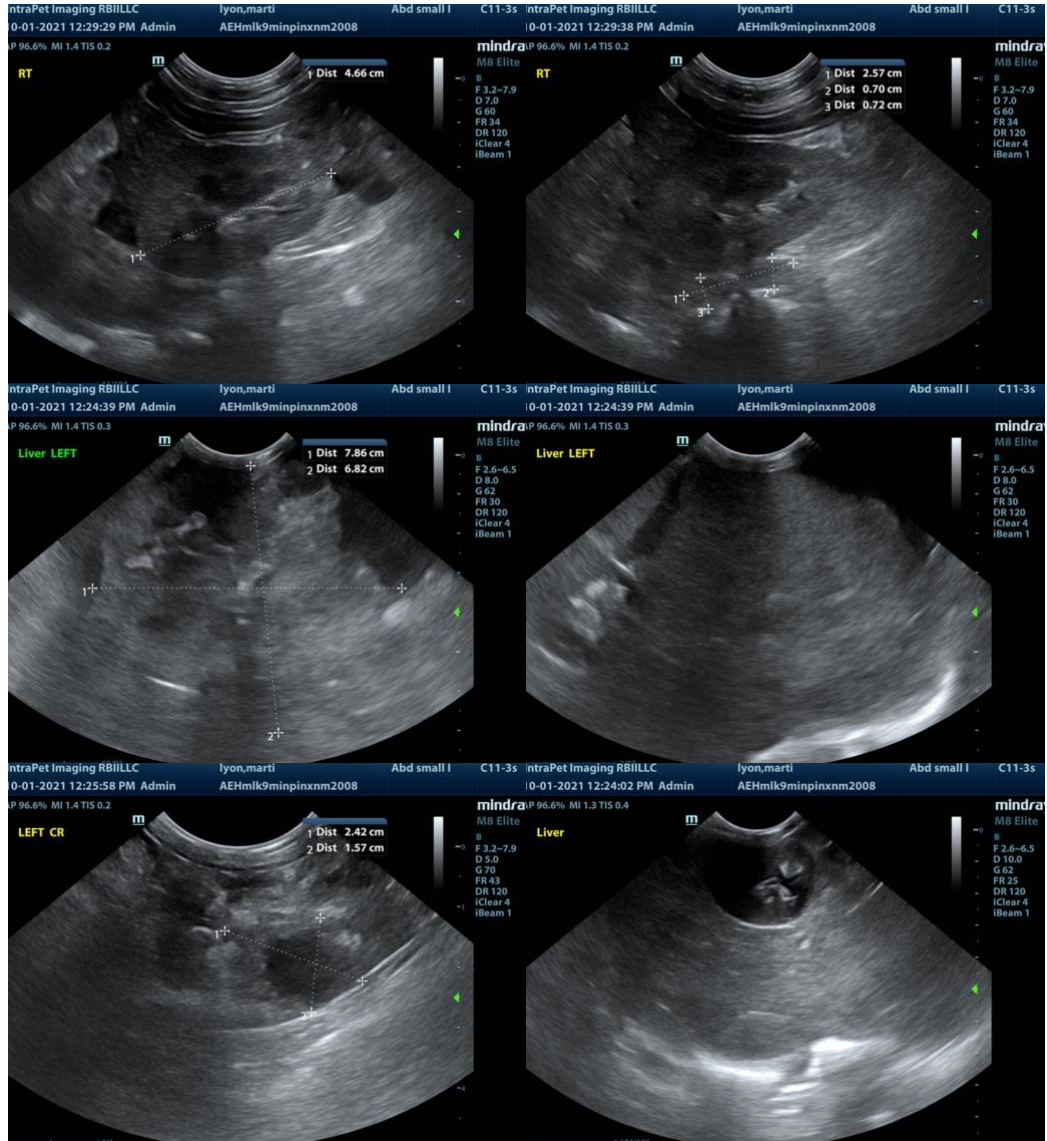
### **ULTRASONOGRAPHIC FINDINGS**

- Abdominal neoplasia involving pancreas and liver, non-resectable
- Age-related renal changes
- Volume contracted spleen

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

Prognosis is poor. FNA could be considered for further definition.





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.

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