**DATE**

12/2/22

**PRESENTING CLINICAL SIGNS****PATIENT**

Bailey Berger

**SPECIES**

Canine

**BREED**

Pitbull Mix

**SEX**

Neutered Male

**AGE**

11/27/19

**WEIGHT**

57 Pounds

**INTERPRETED BY**Eric Lindquist, DMV  
DABVP, Cert. IVUSS**HOSPITAL NAME**Pleasantville AH of  
Falston**REFERRING VET**

Dr. Gounaris

**INVOICE**

18946

History: Doing poorly 3 weeks and good bit worse past week with poor appetite and weight loss and vomiting and some lethargy, 11/26 blood showed Na/K ratio 23 and Alk Phos 1124 ALT 157 Bilirubin 1.0 HCT-44 WBC 18000. RADS showed NVL abdomen possible cranial abdomen increase density and chest RADS show NVL except possible cranial mediastinal opaqueness. Put on cerenia and Augmentin and performed ACTH stim test 11/28 - normal, lymph nodes generally enlarged mild/moderate - Cytology of lymph nodes showed mixed lymph node population indication inflammation/antigenic stimulation but could not R/O pre-lymphoma stage. Seems good bit better morning of 11/29 but afternoon listless and vomited some food we fed and dark gloppy BM followed by bright red-tinged watery diarrhea, HCT afternoon 11/29 37. Morning of 11/30 listless and some hanging of the belly, RADS showed cloudy abdomen and abdominocentesis showed marked hemoabdomen with icteric fluid when spun down, later in day performed same and much less red cells but still blood-tinged abdominal fluid. Vomited some through 11/30 despite cerenia Continued lethargy and no appetite

Current Medications: Cerenia60 mg SID, Augmentin

Lab Results: See attached.

Radiographs: See attached.

Date of Previous IntraPet Ultrasound: No previous.

Sedation: Not required to complete full diagnostic ultrasound.

Stat Report: Not requested.

Imaging Performed By: Rachel Brillhart, RDMS.

**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 **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 6.92 cm. The left kidney measured 6.9 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 right adrenal gland measured 2.52 cm x 0.66 cm at the caudal pole and 0.8 cm at the cranial pole. The left adrenal gland measured 2.92 cm x 0.72 cm at the caudal pole and 0.7 cm at the cranial pole.

**Spleen**

The **spleen** was significantly enlarged with coalescing hypoechoic reticular pattern and overt parenchymal masses.

**Liver**

The liver was heterogenous and irregular. The hepatic lymph nodes were enlarged. Echogenic free fluid was noted between the liver lobes. The gallbladder and common bile duct were unremarkable.

### ***Gastrointestinal***

The **gastrointestinal tract**, per se, was unremarkable. Curvilinear patterns were respected. No primary pathology.

### ***Pancreas***

The **pancreas** was obscured by enhanced surrounding mesentery. Secondary inflammation is likely.

### ***Free Abdomen***

Multifocal abdominal **lymph nodes** were enlarged, rounded and hypoechoic. An example of lymph node size measured 2.1 cm. The mesenteric lymph nodes measured up to 6.47 cm. Free fluid was noted adjacent to the splenic presentation. Reactive mesentery was noted throughout the abdomen.

### ***Other***

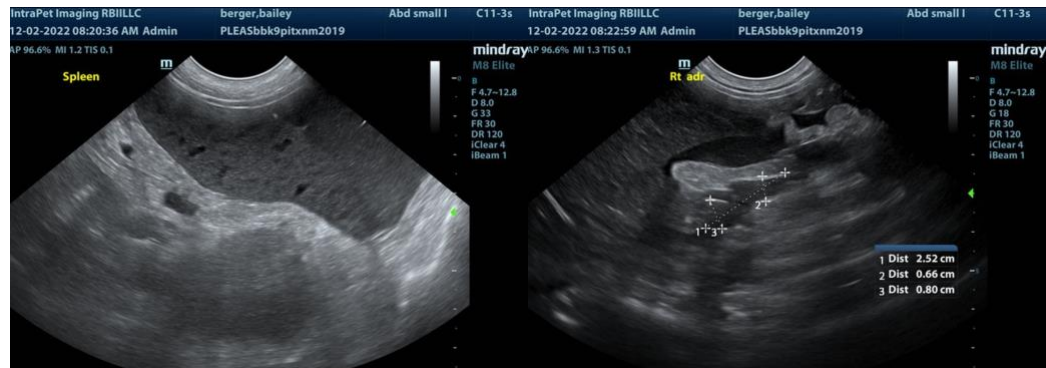
A cranial mediastinal **mass** was noted with undifferentiated mixed hypoechoic nodular tissue, measuring 13 cm, consistent with metastatic disease.

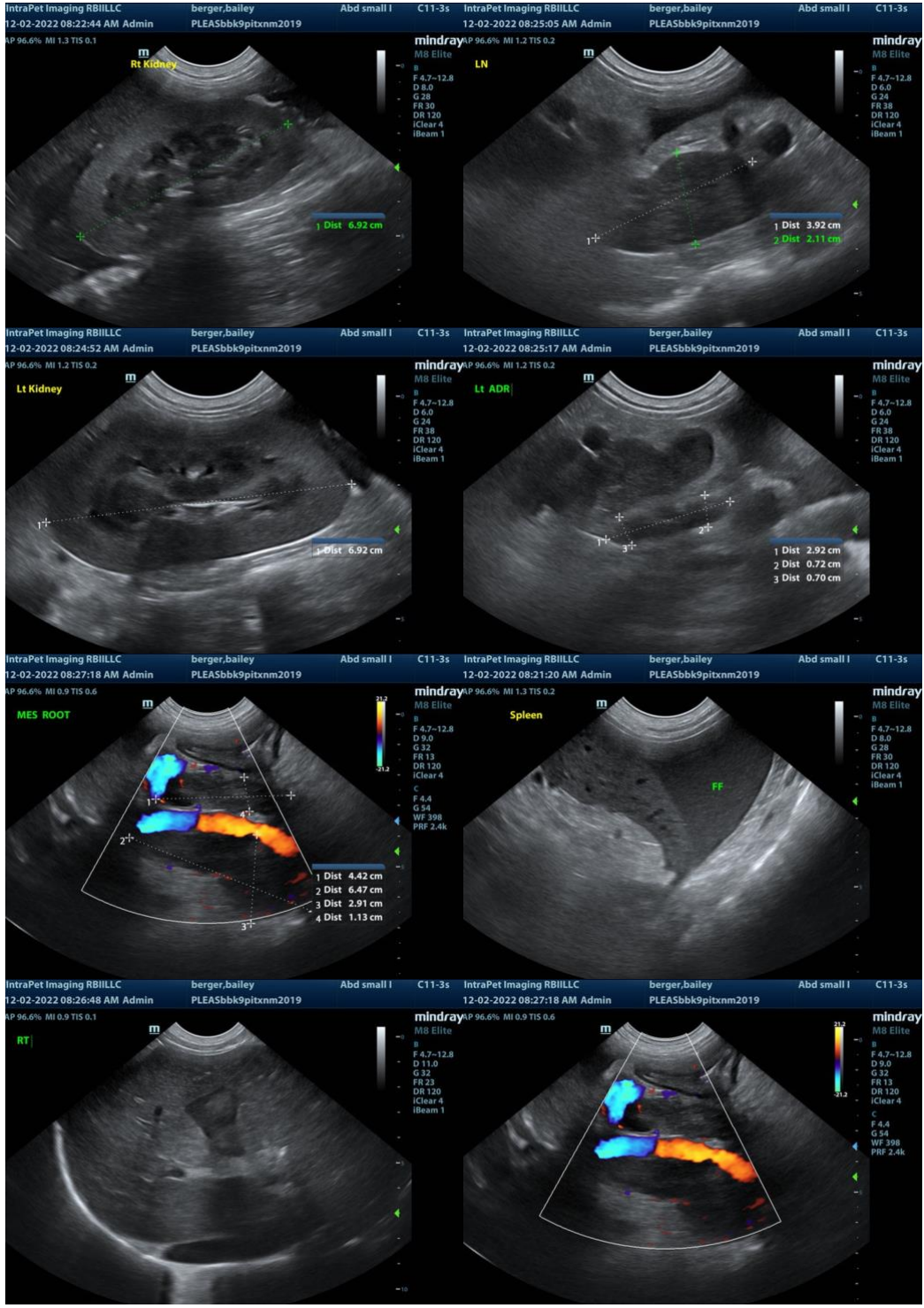
## **ULTRASONOGRAPHIC FINDINGS**

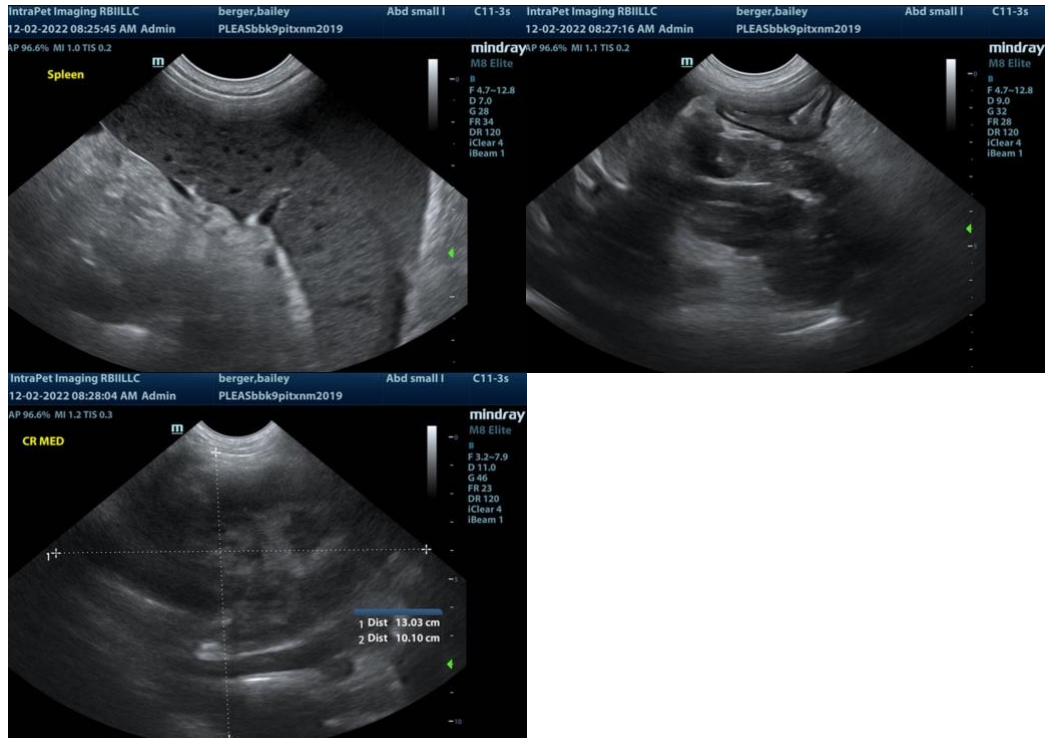
- Aggressive infiltrative splenohepatic pattern with multifocal lymphadenopathy and paraneoplastic effusion.
- Cranial mediastinal mass
- Pancreas was obscured by enhanced surrounding mesentery

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

Dual cavity multicentric aggressive round cell or sarcoma type neoplasia. Coagulation panel and 25-gauge FNA of the spleen, liver and lymph nodes is recommended or abdominocentesis and cytospin should prove effective.







**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  
info@SonoPath.com