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Clinical Sonography & Telecytology

EDUCATIONAL TELECONSULTATION SERVICES™

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**DATE**

3/31/23

**PATIENT**

Kimber Stein

**SPECIES**

Canine

**BREED**

German Shorthair  
Pointer

**SEX**

Spayed Female

**AGE**

4/1/16

**WEIGHT**

64.1 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**HOSPITAL NAME**

Animal Emergency  
Hospital

**REFERRING VET**

Dr. Hicks

**INVOICE**

46349

**PRESENTING CLINICAL SIGNS**

Referral from Animal Care Center Xrays (L thorax/L abd) and BW performed -referral for IVFs, hosp and AUS. Lost 12# since Dec - eating, drinking, normal u/d at home. HCT 16.9% - platelets 69,000, ALP 752/ ALT 754 - t.bil 0.5 (wnl), retics increased. Enlarged liver on xray- chest clear. ATO - Jan was boarded at BFF and started coughing, O suspected URI, was very lethargic. P seemed to improve but was never 100%, P will "huff" when she gets up from laying down, not a cough, Ate a tub of sugar cookies with icing a few weeks ago, P ate 1 cup of food at 7 a.m.

Current Medications: Pending.

Lab Results: 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 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. Minor pyelectasia of the right kidney noted at 0.31 cm. The right kidney measured 8.23 cm. The left kidney measured 8.15 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 left adrenal gland measured 2.14 cm x 0.71 cm at the caudal pole and 0.61 cm at the cranial pole. The right adrenal gland measured 2.2 cm x 0.57 cm at the caudal pole and 0.68 cm at the cranial pole.

**Spleen**

The **spleen** was enlarged with scalloping contour. A hypoechoic nodule was noted at the cranial pole measuring 0.81 cm. Other nodular changes noted in the spleen with minor surrounding free fluid.

**Liver**

The **liver** was swollen, mildly irregular in contour, with coarse architecture. Severe hepatomegaly noted. The gallbladder was deviated caudally owing to internal mass effect.

**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.

### **Other**

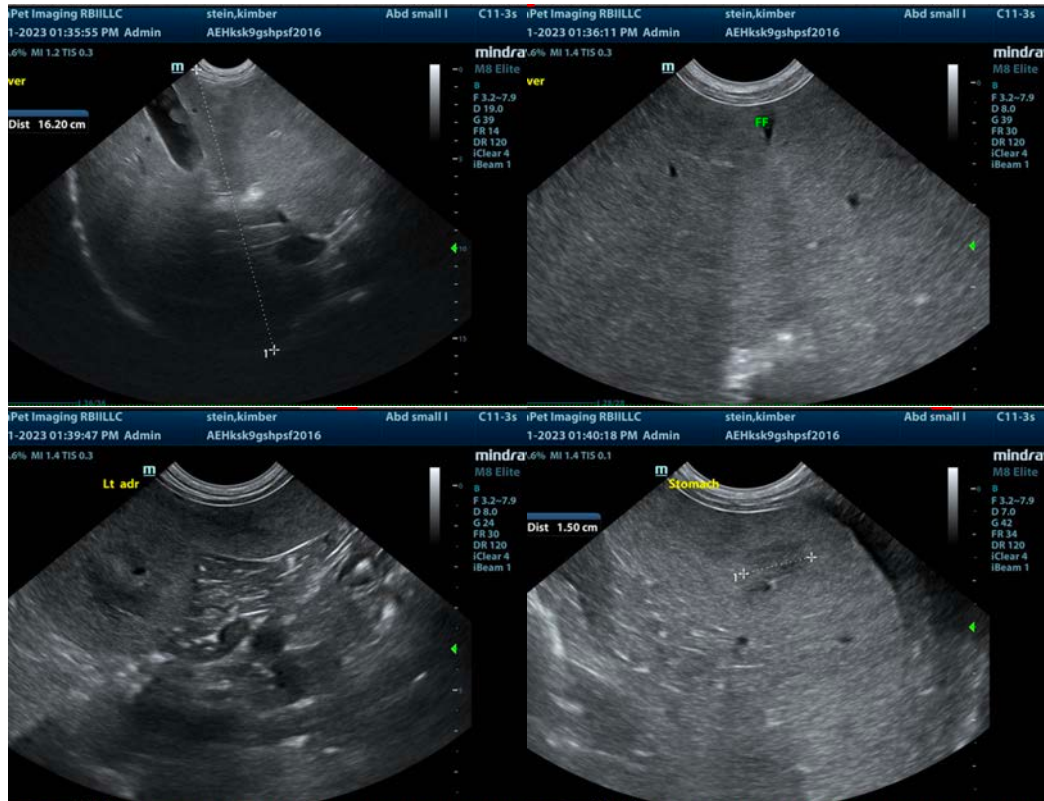
Rapid view of the heart revealed no evident pathology in the right auricle. Normal contractility. No pericardial or pleural effusion noted. Volumes appeared normal.

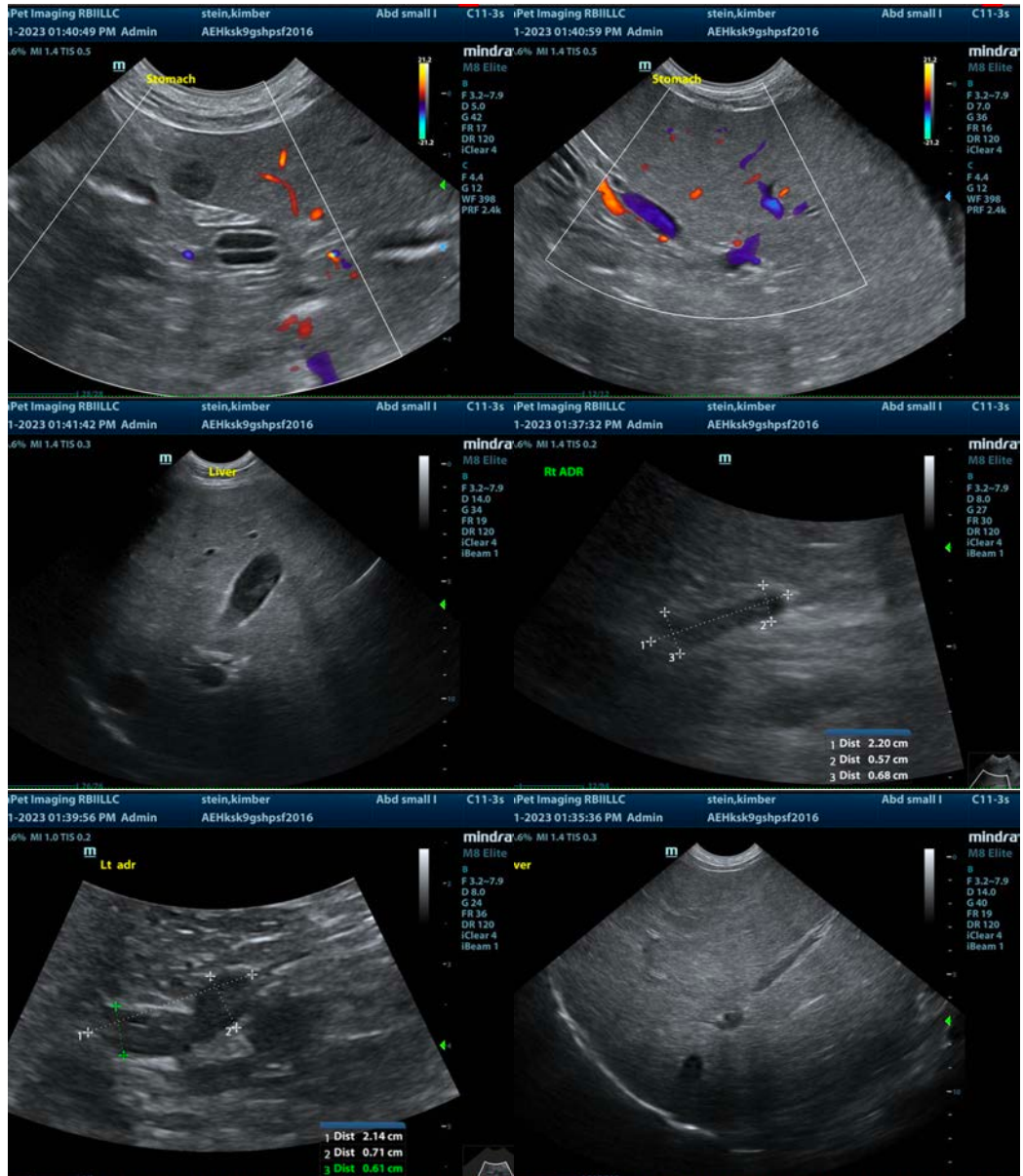
### **ULTRASONOGRAPHIC FINDINGS**

- Infiltrative Splenohepatic pattern – suspect bone marrow involvement, given the patient history.

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

Coagulation panel, 25-gauge FNA spleen and liver indicated. Round cell neoplasia spleen, liver, bone marrow likely. CBC path review warranted.





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.

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