

**PATIENT**

Marley Mark

**SPECIES**

Canine

**BREED**

Mixed Breed

**SEX**

Neutered Male

**AGE**

13 Years 11 Months

**WEIGHT**

35.5 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Gillian Striano-Kaplan

**HOSPITAL NAME**

Ramsey VH

**REFERRING VET**

Gillian Striano-Kaplan

**INVOICE**

17941

**DATE**

10/28/22

**PRESENTING CLINICAL SIGNS**

History: pet has had diarrhea for last few days over last year stool has been formed and then gets progressively softer now more consistently liquid, black/tarry consistency on Monday now yellow/mustard color, no increased urgency to go out, 2-3 accidents total over last few years O notes increased lethargy over last year aware pet is arthritic in hips, stiff when getting up pet has always been prone to vomiting, increased over last year happens at least once every other month, usually food occasionally with some bile over last 2-3 weeks pet has had increased thirst urinating more but only 1-2 urinary accidents recently no straining/blood in urine per O on Tuesday O woke up and bed was covered in blood, soaked through sheets pet was licking front limbs but O couldn't find wound/source of blood Diet: Nutro Senior 1cBID, no dietary changes decreased appetite over last year pet has always been a grazer but would finish food, now more hesitant to eat Meds/Supplements: Dasaquin SID, O feels has been helpful

Abnormal PE/Chem/CBC/UA Results: hematocrit 36.3, hemoglobin 11.7, mch 21.5, mhc 32.2, WBC 3.4, neutrophils 2.37, lymphocytes 0.867, eosinophils 0.044, calcium 13.3, total protein 10.7, albumin 2.1, globulin 8.6, albumin globulin ratio 0.7-1.5, cholesterol 110; free t4 and ionized calcium pending

**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 left kidney measured 6.16 cm. The right kidney measured 6.34 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.

**Spleen**

The **spleen** presented micronodular splenic changes noted elsewhere within the parenchyma. Splenic fold was noted. \*\*See Free Abdomen section. Enhanced surrounding mesentery was present.

**Liver**

The **liver** was uniform yet mildly enlarged. Slight areas of free fluid were noted, as well as passive congestion pattern. The gallbladder and common bile duct were unremarkable. The hepatic lymph nodes were enlarged, suggestive for hepatic involvement in neoplastic process.

**Gastrointestinal**



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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.

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### **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.

## BREED

Mixed Breed

### **Free Abdomen**

A mixed hypoechoic complex 5.5 cm **mass** was noted in the cranial abdomen. A separate 5.68 cm hypoechoic undifferentiated mass was noted. The masses appear to be deriving from the mid splenic body.

## SEX

Neutered Male

Free fluid and enhanced surrounding mesentery.

## AGE

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### **Other**

A rapid view of the **heart** revealed no obvious pathology.

## WEIGHT

35.5 Pounds

## ULTRASONOGRAPHIC FINDINGS

- Splenic masses and splenohepatic infiltrative pattern
- Free fluid and enhanced mesentery
- Enlarged hepatic lymph nodes

## INTERPRETED BY

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

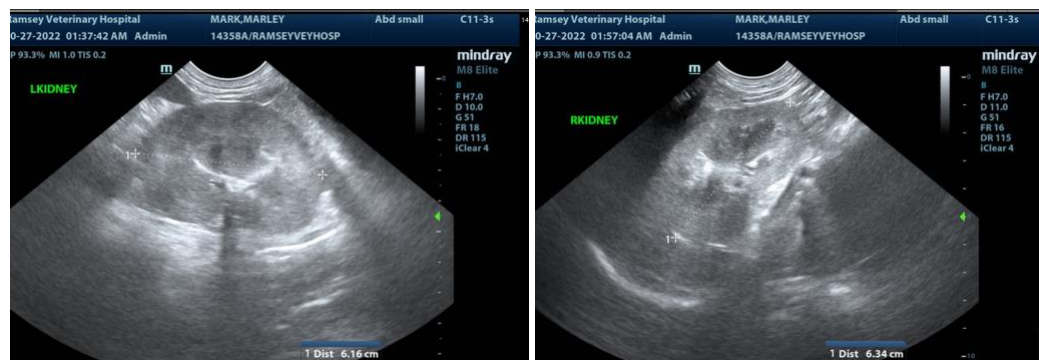
Round cell neoplasia is suspected. Hemangiosarcoma is less likely. Chest radiographs and FNA of the spleen and liver is warranted from a cursory evaluation. If by chance the liver is free of evident neoplasia on cytology, then exploratory splenectomy and liver biopsy could be considered, however, I'm strongly concerned for hepatosplenic neoplasia.

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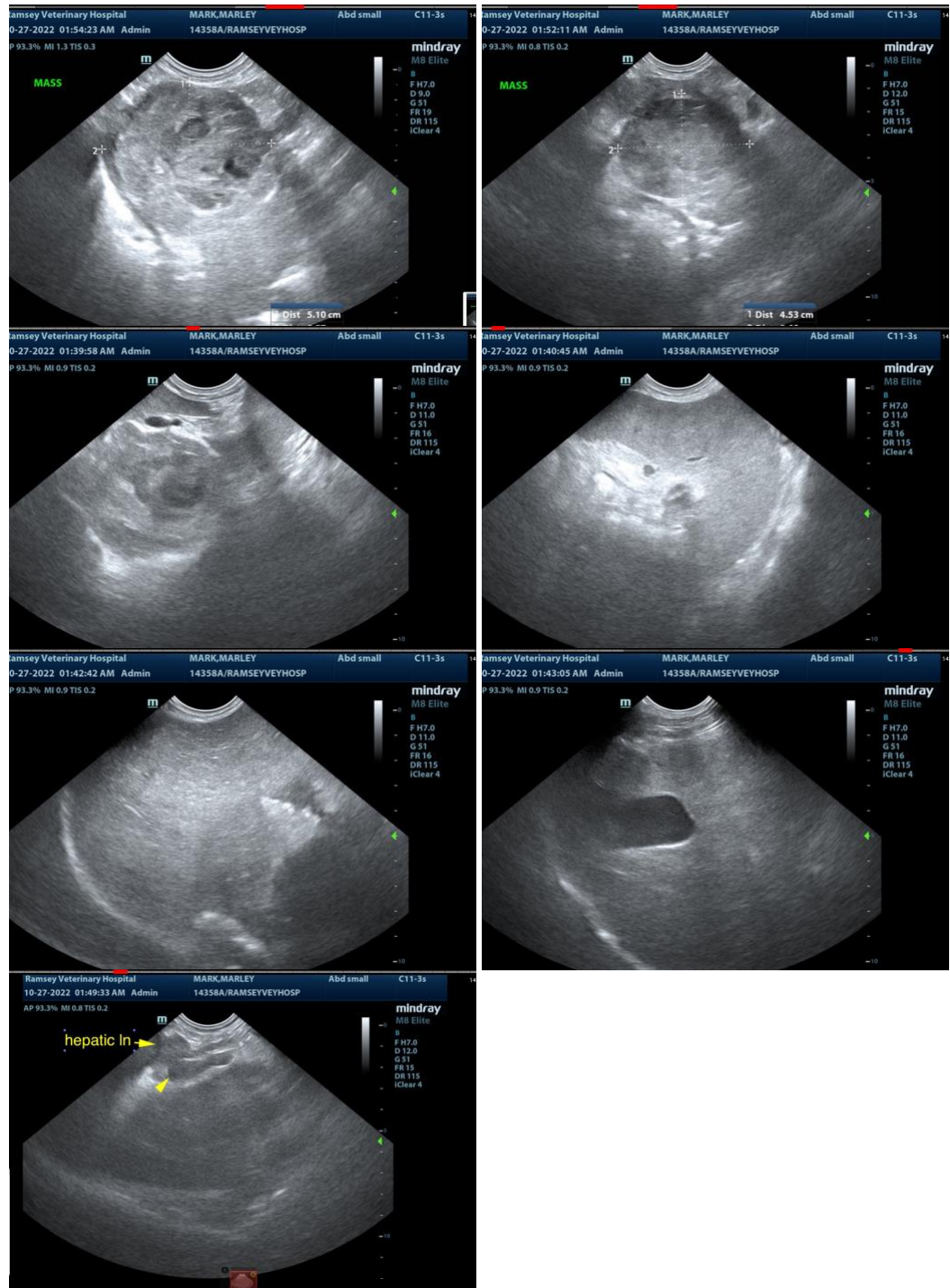
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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