



## PATIENT

Rocko Legeman

## SPECIES

Canine

## BREED

Australian Blue Heeler

## SEX

Neutered Male

## AGE

5 Years 3 Months

## WEIGHT

48.2

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP(CFM), Cert.  
IVUSS

## IMAGING PERFORMED BY

Dr. Tessa Maggiulli

## HOSPITAL NAME

Willamette Veterinary  
Hospital

## REFERRING VET

Dr. Jeremy Clark

## INVOICE

14541

## DATE

03/23/26

## PRESENTING CLINICAL SIGNS

- 1 month hx of V+, lethargy, decreased appetite. Approximately one month ago, pt was diagnosed with gastritis by his regular veterinarian and was found to have a high calcium level. He was treated with a tapering dose of Prednisone, Doxycycline, and Sucralfate. Vomiting improved on twice-daily Prednisone but recurred when the dose was tapered to once daily. The dose was increased back to twice daily, but symptoms (lethargy and vomiting) returned yesterday. A recheck blood test a few weeks after the initial visit showed a normal calcium level. Rocko has experienced significant weight loss over the past month. He is reported to eat Hill's Science Diet mixed kibble and wet food. He eats grass frequently in the backyard and has a history of knee surgery with an implant. His owner believes he is up-to-date on all vaccinations, including the leptospirosis vaccine. There is another dog in the home who is healthy. No known exposure to toxins, pesticides, or raw fish.

CBC- HCT 58.4%, WBC 51.4 (H), MONO 3.66 (H), NEU 43.58 (H), PLT 84 (L), CHEM 17-CRE 3.7, BUN 76, PHOS 9.5 (H), CA >16 (H), ALT 139 (SI high), ALP 1230 (H), - Abdominal radiographs and FAST scan revealed multiple abnormalities including a suspicious mid-abdominal structure on ultrasound, abnormal stomach appearance on radiographs, severely decreased corticomedullary definition and renal pelvis dilation R>L. Lepto witness negative

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra to a depth of 1.0 cm 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 mildly increased cortical echogenicity. The left kidney measured 7.0 cm in length. The right kidney measured 7.0 cm in length.

### 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 0.50 cm width. The left adrenal gland measured 0.50 cm width.

### Spleen

The **spleen** revealed multifocal hypoechoic nodular changes consistent with infiltrative disease. Multifocal lymph nodes presented enlarged, rounded and hypoechoic with enhanced surrounding mesentery.

### Liver

The **liver** presented swollen with irregular hypoechoic to radically hypoechoic to falciform fat with isoechoic nodular changes. The hepatic lymph nodes were also enlarged and rounded measuring up to 2.5 cm with reactive mesentery around the lymphadenopathy. The gallbladder and common bile duct were unremarkable.

### 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.

### **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.

### **Heart**

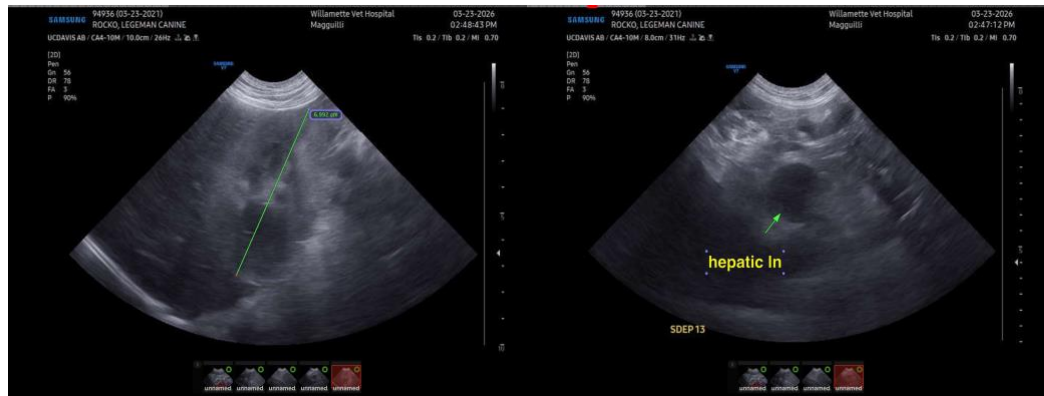
Rapid view of the **heart** revealed no gross pathology.

### **ULTRASONOGRAPHIC FINDINGS**

- Multicentric round cell neoplasia pattern involving the spleen, liver and lymph nodes and possibly kidneys especially given the clinical profile.

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

FNA of the spleen, liver, lymph nodes and kidneys is indicated ideally for a definitive diagnosis and staging. Chest radiographs focusing on the cranial mediastinum is indicated.





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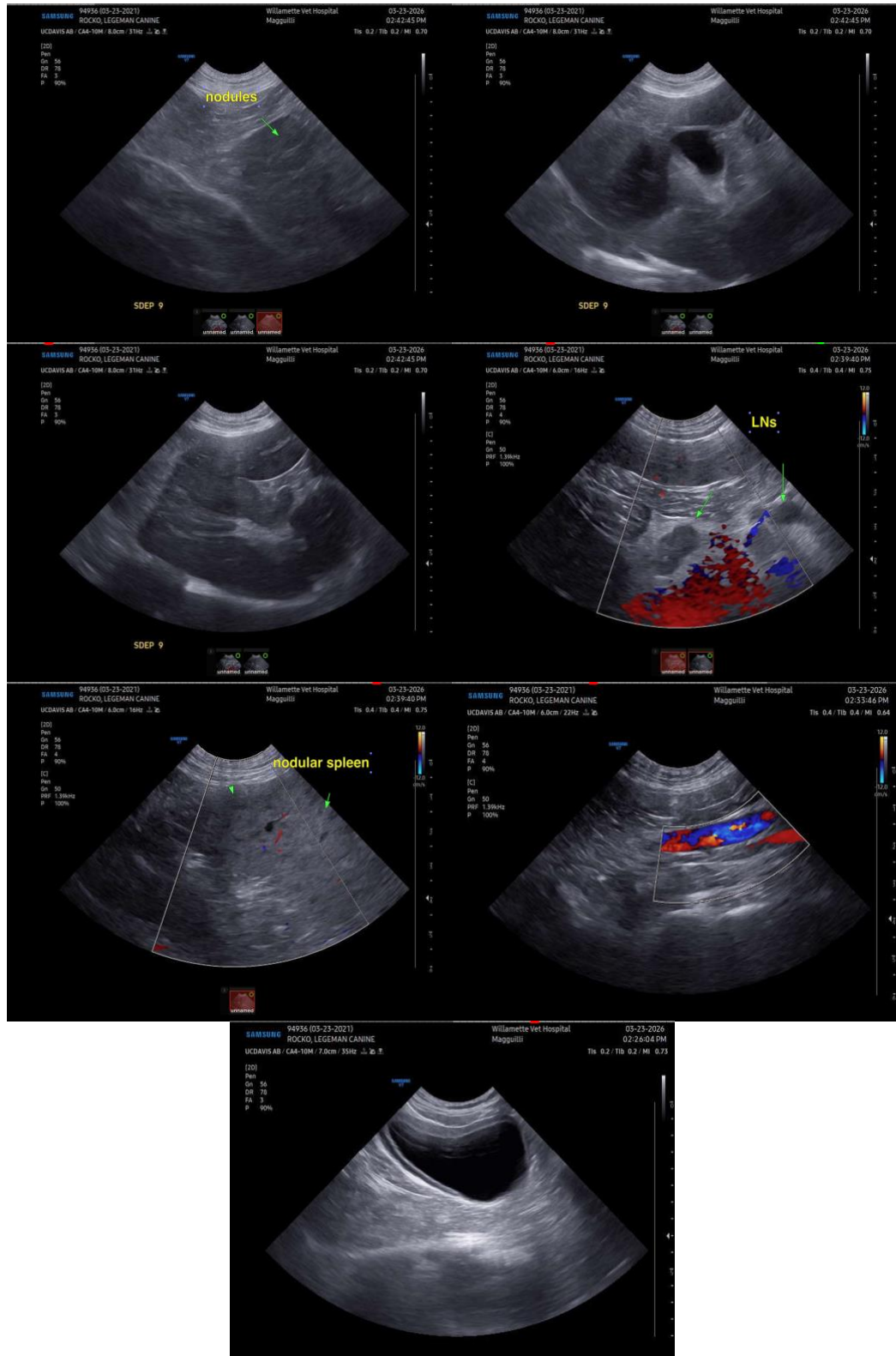
Dr. Jeremy Clark

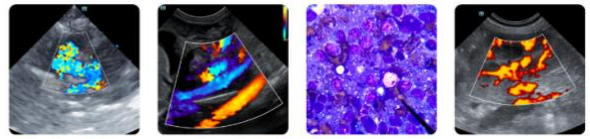
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP(CFM), Cert. IVUSS,

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