

## PATIENT PRESENTING CLINICAL SIGNS

- Odin Lupica**
- Yesterday went to ER for abdominal pain - radiographs showed splenomegaly - no free fluid noted
  - Tachypnea
- SPECIES**
- Did end up eating this AM
  - Also noted to be PU/PD at home for a bit now

Canine

## BREED

Abnormal PE/Chem/CBC/UA Results: Temp 103.1°, panting, painful abdominal palpation, dehydrated Full BW pending

Siberian Husky

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### SEX

#### *Urinary System*

Neutered Male

The urinary bladder wall is normal in thickness. The mucosal surface in the region of the apex is slightly irregular. The bladder is mildly- to moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

### AGE

10 years 5 mos

The prostate is normal in size (1.19 cm in width) and shape. Parenchyma is homogenous. The prostatic urethra appears normal without evidence of dilation or obstruction.

### WEIGHT

58.6 lbs

The left kidney is normal in size (7.29 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal- to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

## INTERPRETED BY

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The right kidney is normal in size (7.24 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal- to mild loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

## IMAGING PERFORMED BY

John Ammeraal DVM

#### *Adrenal Glands*

The left adrenal gland is normal in size (0.61 cm at cranial pole) (0.58 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

## HOSPITAL NAME

Sova Animal Hospital

The region of the right adrenal gland is evaluated. No obvious pathology is observed in this region.

## REFERRING VET

Robert Sova DVM

#### *Spleen*

The spleen is subjectively enlarged with swollen peripheral contours, and rounding at the poles. A 6.5 x 3.8 cm heterogenous swelling/mass is observed approximately mid-spleen. The remaining parenchyma is mottled in appearance. Splenic vasculature appears normal with no obvious evidence of thrombosis.

#### *Liver*

## INVOICE

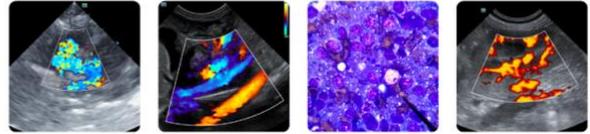
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The liver is subjectively prominent-in-size, with smooth peripheral contours. The parenchyma is isoechoic- to slightly hypoechoic relative to the spleen and subtly mottled in appearance. No focal lesions are observed. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

## DATE

3-31-26

The gallbladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are mostly anechoic. The cystic and common bile ducts are normal/not seen.



## PATIENT

### **Gastrointestinal**

Odin Lupica

The gastric lumen is mildly distended with ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall is normal in thickness with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

## SPECIES

Canine

### **Pancreas**

The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

## BREED

Siberian Husky

### **Lymph Nodes**

The abdominal lymph nodes are normal/not visible.

## SEX

Neutered Male

### **Free Abdomen**

Trace free fluid is observed.

## AGE

10 years 5 mos

## ULTRASONOGRAPHIC FINDINGS

### **Primary Findings**

## WEIGHT

58.6 lbs

- The splenic parenchymal changes, including the swelling/mass effect, are concerning for infiltrative neoplasia (i.e., round cell tumor). However, a benign process (i.e., lymphoid hyperplasia, extramedullary hematopoiesis, splenitis, antigenic stimulation) cannot be excluded.

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Diplomate ACVIM  
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Medicine)

- Equivocal hepatomegaly with minor parenchymal remodeling. Correlation with the patient's liver values is recommended.

- Trace ascites

### **Secondary Findings**

- Minor bilateral age-related renal changes

## IMAGING PERFORMED BY

John Ammeraal DVM

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## HOSPITAL NAME

Sova Animal Hospital

Consider fine-needle aspiration of the spleen (assuming normal clotting status). A 25-gauge needle should be used. Other considerations include the following:

1. Three-view thoracic radiographs to assess cardiopulmonary status
2. Baseline lab work (including a CBC, chemistry panel, urinalysis, and T4) to assess overall metabolic function.

## REFERRING VET

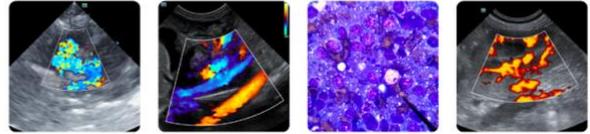
Robert Sova DVM

## INVOICE

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## DATE

3-31-26



**PATIENT**

Odin Lupica

**SPECIES**

Canine

**BREED**

Siberian Husky

**SEX**

Neutered Male

**AGE**

10 years 5 mos

**WEIGHT**

58.6 lbs

**INTERPRETED BY**

Andrea Nicastro, DVM,  
Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**IMAGING  
PERFORMED BY**

John Ammeraal DVM

**HOSPITAL NAME**

Sova Animal Hospital

**REFERRING VET**

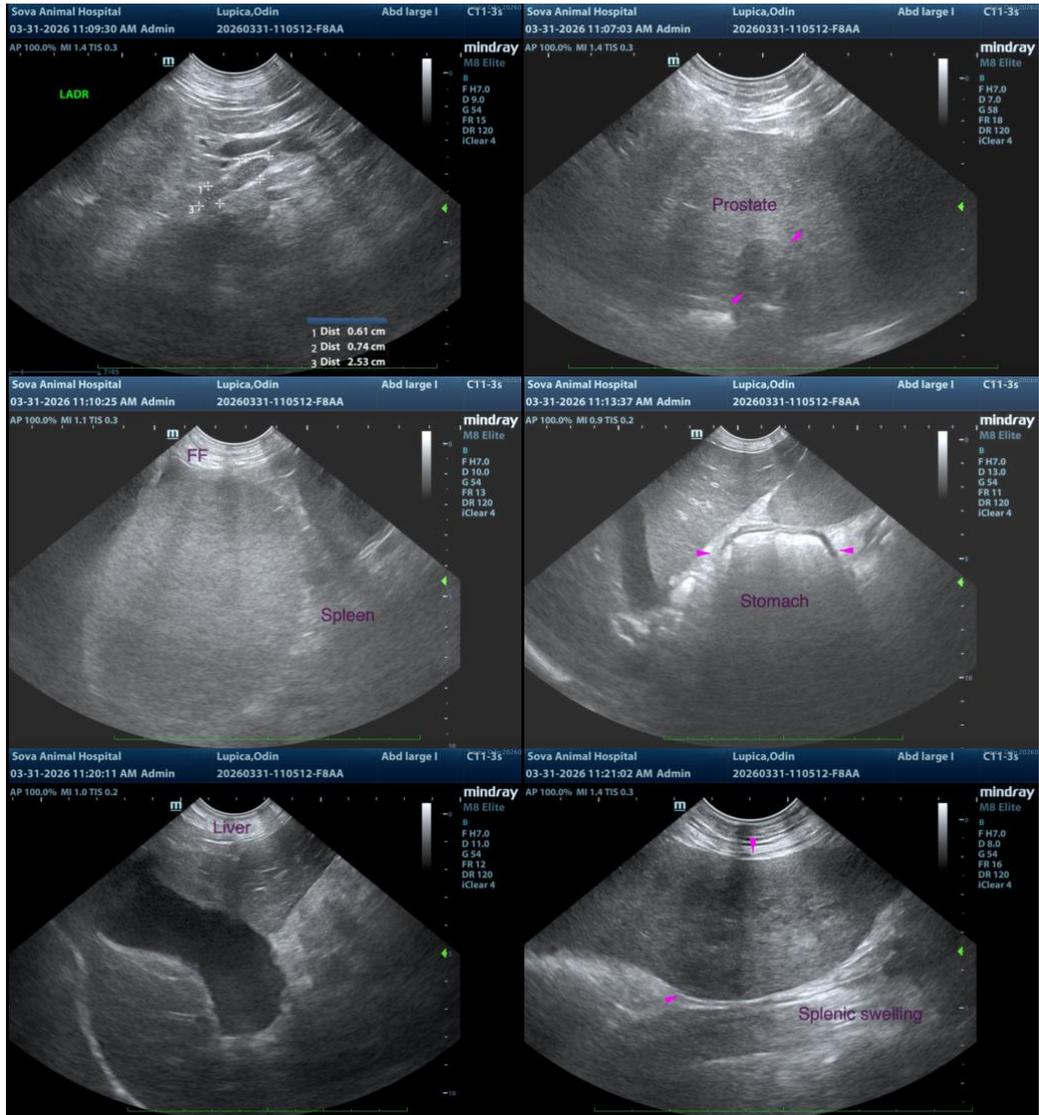
Robert Sova DVM

**INVOICE**

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**DATE**

3-31-26



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.

**Andrea Nicastro, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)**  
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