



## PATIENT PRESENTING CLINICAL SIGNS

- Aqua Rubio**
- Px presented as a referral for an emergency abdominal ultrasound due to sudden lethargy and anorexia since last night
- SPECIES**
- Px collapses every time they attempt to walk and has no interest in eating nor drinking water
  - No vomiting, diarrhea, or coughing reported by owner
- Canine**
- Px is up to date on Vx and flea/tick/heartworm preventatives
- BREED**
- Fluid was visualized in the free abdomen, and an Abdominocentesis sample collection procedure was done that rDVM could send the sample to be analyzed
- Siberian Husky**
- A limited echocardiogram was performed, and no pericardial effusion was observed, but a concerning hyperechoic space-occupying lesion was observed in the right auricle

## SEX

Female Spayed

Abnormal PE/Chem/CBC/UA Results: Bloodwork reveals a leukocytosis with a neutrophilia. Anemia. Thrombocytopenia. BUN 35. Creatinine 3.1. (Bloodwork and radiographs attached below for your reference).

## AGE

10

### Urinary System

The urinary bladder wall is normal in thickness. The mucosal surface in the region of the apex is slightly irregular. The bladder is 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.

## WEIGHT

56 lbs

The left kidney is normal in size (5.59 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

## INTERPRETED BY

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

The right kidney is normal in size (5.77 cm in length) with a normal shape, architecture and smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with minimal loss of corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter.

## IMAGING PERFORMED BY

Gabriel Ferrer DVM

### Adrenal Glands

The left adrenal gland is normal in size (0.55 cm at cranial pole) (0.59 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

Pulse Pet  
Ultrasound Services

The right adrenal gland is normal in size (0.76 cm at cranial pole) (0.53 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.

## REFERRING VET

Dr. Cinthia Vega

### Spleen

A >5.0 cm heterogenous, expansile, slightly cavitated mass is arising from the parenchyma. The mesentery effacing the serosal surface of the mass is hyperechoic. In the remainder of the spleen, the margins are curvilinear, and the parenchyma is homogenous. Splenic vasculature appears normal with no evidence of thrombosis.

## INVOICE

22701

### Liver

The liver is subjectively normal in size. The parenchyma is hypoechoic relative to the spleen. A 1.0 cm slightly expansile, anechoic- to hypoechoic nodule is observed on the left side. The remaining parenchyma is homogenous. Hepatic vasculature and intrahepatic biliary tracts are of normal volume with no evidence of congestion.

## DATE

3-16-26



## PATIENT

Aqua Rubio

The gallbladder lumen is moderately distended. The wall is thin and smooth. A small amount of aggregated, echogenic, partially dependent d/slight is observed within the lumen. The cystic and common bile ducts are normal/not seen.

## SPECIES

Canine

### *Gastrointestinal*

The gastric lumen is not distended. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. 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 ileoceocolic junction and colonic wall are normal. There is no evidence of an obstructive pattern.

## BREED

Siberian Husky

## SEX

Female Spayed

### *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.

## AGE

10

### *Lymph Nodes*

The abdominal lymph nodes are normal/not visible.

## WEIGHT

56 lbs

### *Free Abdomen*

A moderate amount of free fluid is present.

### *Other*

A brief echocardiogram reveals no obvious evidence of pericardial effusion or pleural effusion in the visible window. A 1.9 x 1.1 cm irregular, hyperechoic- to heterogenous lesion is suspected along the right ventricular free wall at the level of the tricuspid valve.

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## HOSPITAL NAME

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## ULTRASONOGRAPHIC FINDINGS

- Splenic mass with suspected rupture/hemoabdomen. Neoplasia (i.e., hemangioma, hemangiosarcoma) is suspected with a lower possibility of a non-neoplastic process.
- The hypoechoic- to anechoic hepatic lesion is most consistent with a parenchymal cyst. However, a metastatic lesion or other pathology cannot be excluded.
- Questionable nodule/mass in the right ventricular free wall at the level of the tricuspid valve. Considerations include metastatic disease from the splenic mass, imaging artifact, inflammatory focus, other.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

## REFERRING VET

Dr. Cinthia Vega

- Three-view thoracic radiographs are recommended to assess for pulmonary metastases.
- Given the findings from the brief echocardiogram, a full echocardiogram is recommended to further evaluate for pathology prior to considering a splenectomy. If a splenectomy is pursued, liver biopsies should also be obtained at the time of surgery to assess for micrometastatic disease.

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## DATE

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**PATIENT**

Aqua Rubio

**SPECIES**

Canine

**BREED**

Siberian Husky

**SEX**

Female Spayed

**AGE**

10

**WEIGHT**

56 lbs

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**REFERRING VET**

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