



## PATIENT

Peggy Purinton

## PRESENTING CLINICAL SIGNS

### SPECIES

Canine

### BREED

Pit Bull Terrier

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

#### SEX

Spayed Female

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

#### AGE

9 Years

The left kidney has a normal shape and size (6.25 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

#### WEIGHT

60 Pounds

The right kidney has a normal shape and size (6.78 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

### Adrenal Glands

#### INTERPRETED BY

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The left adrenal gland is normal/borderline large in size measuring 0.87 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The right adrenal gland is borderline large in size measuring 1.0 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

#### IMAGING BY

Loetitia Saint-Jacques,  
LVT

### Spleen

#### HOSPITAL NAME

Fairgrounds AH

The spleen is large and irregular. The blood flow through the hilus and splenic parenchyma appears normal. There is a hypoechoic focal lesion in the parenchyma of the spleen with an irregular margin, expanding into a large, hypoechoic mass effect measuring 8.79 cm x 12.02 cm, which I suspect is a large clot/mass.

### Liver

#### REFERRING VET

Dr. Johnson

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

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The gall bladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. There is a moderate amount of non-organized echogenic debris. The cystic and common bile ducts are normal/not visible.

#### DATE

5/3/22



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### **Gastrointestinal**

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

### **Pancreas**

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

### **Free Abdomen**

There is scant free abdominal fluid. No lymphadenopathy. The mesentery is of normal echogenicity.

### **Other**

A brief view of the heart was submitted. No significant pericardial effusion was seen.

## PRIMARY FINDINGS

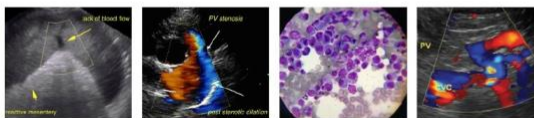
- Large, cavitated splenic mass – A large, heterogenous mass with cavitations is present within the splenic parenchyma. The mass distorts the splenic capsule. Differentials for the mass include neoplasia (e.g., hemangiosarcoma, hemangioma), hematoma, abscess, other. A neoplastic process is favored. The appearance of this mass is most consistent with a ruptured mass and intralesional blading.

- Scant free abdominal fluid

## SECONDARY FINDINGS

- Mild gallbladder debris – The significance of the aggregated gallbladder sludge is unclear. This could represent an early mucocele, cholestasis, or may be secondary to fasting.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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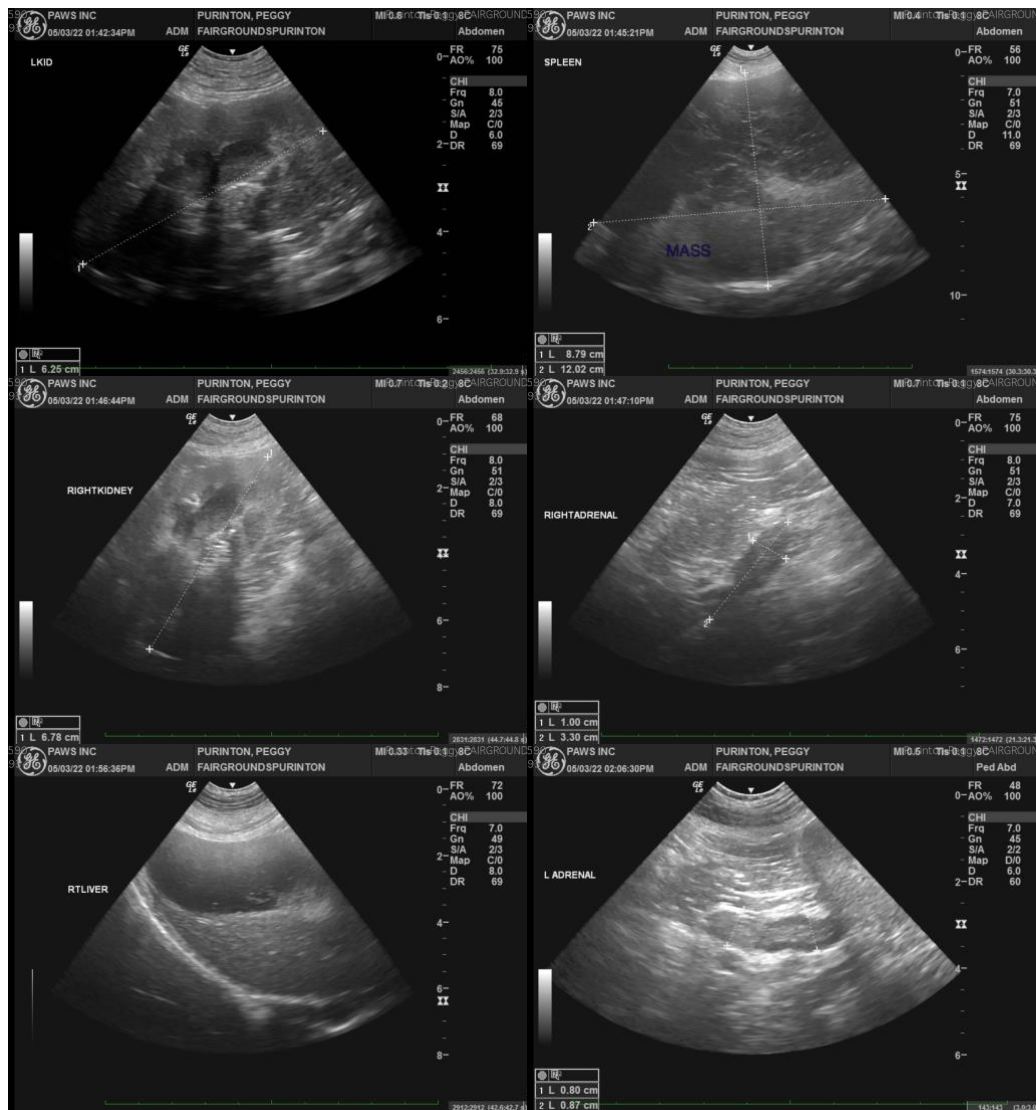
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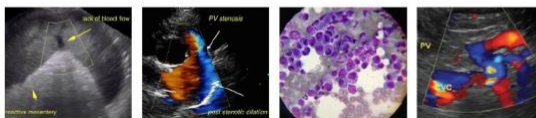
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There is a moderate sized parenchymal lesion within the spleen, which appears to have ruptured and is expansile beneath the capsule, creating a large, hypoechoic, likely fluid filled hematoma/mass. Recommend splenectomy for both diagnostic and therapeutic purposes. Recommend 3-view thoracic radiographs.





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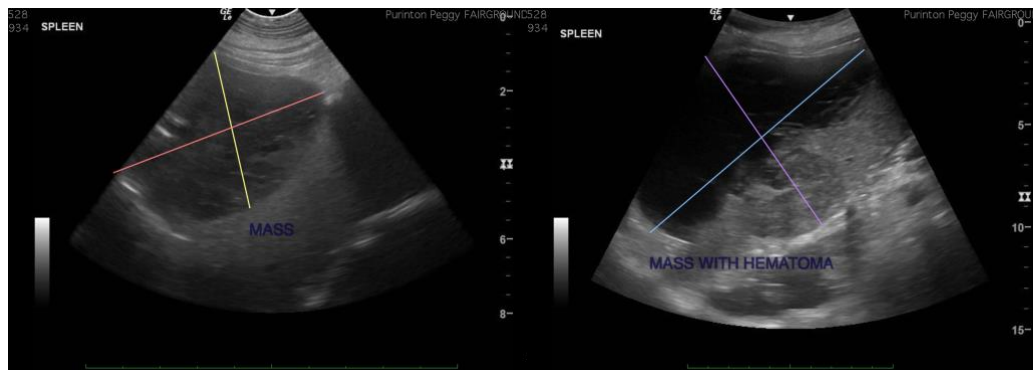
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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