



**PATIENT PRESENTING CLINICAL SIGNS**

Ruby Lalonde History: Anorexia past 5 days, severe vomiting and diarrhea.

**SPECIES** Physical Examination: Depressed, dehydrated, nauseous, uncomfortable on cranial abdominal palpation.

Canine Urinalysis: N/A.

**BREED** CBC: Band neutrophilia, monocytosis.

Shih Tzu Serum Biochemistry: Elevated ALP and GGT activity and bilirubin.

Radiographic Findings: N/A.

**SEX**

FS

**AGE**

12 years

**WEIGHT**

7.6 kg

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size with increased echogenic appearance, some loss cortico-medullary differentiation, and normal capsule and pelvis. Small focal cortical cysts.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, position, echogenic appearance, and size.

**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. Focal non-vascularized hypoechoic parenchymal nodule in the body of the spleen.

**Liver**

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Full gall bladder containing large amount of adherent hyperechogenic sediment in a stellate pattern. Hyperechoic appearance of the tissue around the gall bladder as well as a small amount of fluid. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

**INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD,  
Dipl. ECVIM

**IMAGING PERFORMED BY**

Dr Hayley Biederbeck,  
DVM

**HOSPITAL NAME**

Lomsnes Veterinary  
Hospital

**REFERRING VET**

Dr Hayley Biederbeck,  
DVM

**INVOICE**

302746

**DATE**

2/13/22



**PATIENT** *Gastrointestinal*

Ruby Lalonde Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.

**SPECIES** *Pancreas*

Canine Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**BREED** *Free Abdomen*

Shih Tzu No mesenteric lymphadenomegaly.  
No ascites.

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**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Perforating gall bladder.
- Splenic nodule.

Secondary findings:

- Age-related renal changes.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The appearance of the gall bladder is typical for a perforating mucocele.

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Etiologies for the splenic nodule would be reactive, hyperplasia, abscess, granuloma, hematoma, and neoplasia.

Further assessment/therapy would be cholecystectomy, which would allow for aspirate/biopsy of the splenic nodule.

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Although medical therapy (fluid therapy, analgesics, antibiotics) could be considered it is not recommended.

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**PATIENT**

Ruby Lalonde

**IMAGES**

**Gall bladder**

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

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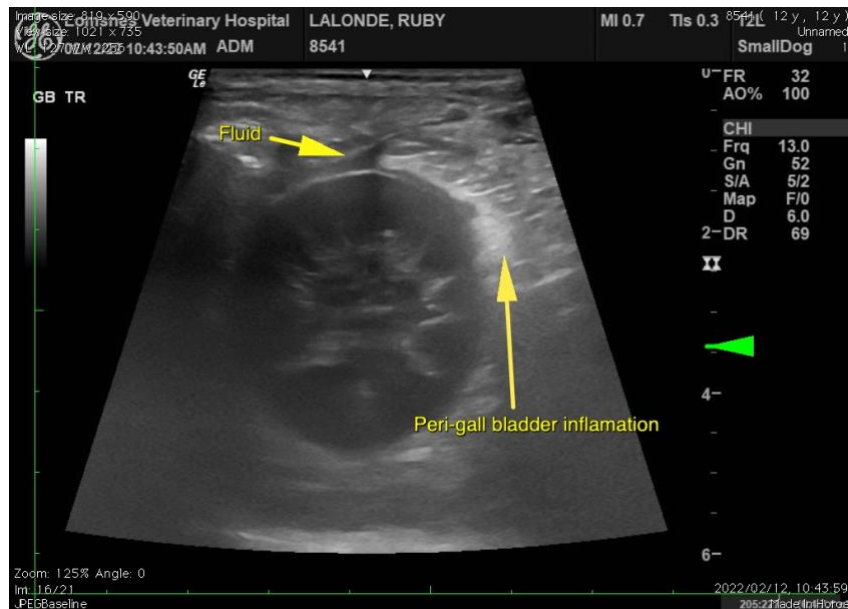
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**PATIENT Spleen**

Ruby Lalonde

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

FS

**AGE**

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**WEIGHT**

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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.

**Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)**  
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