

**PATIENT PRESENTING CLINICAL SIGNS**

Patrick Mannion History: Intermittent diarrhea, weight loss, intermittent poor appetite.  
**SPECIES** Physical Examination: Mild tense abdomen, very flatulently, soft feces in colon.  
 Canine Urinalysis: N/A.  
**BREED** CBC: Thrombocytosis.  
 Collie Mix Serum Biochemistry: Hypoproteinemia, hypocalcemia, elevated cholesterol and amylase.  
 Radiographic Findings: N/A.

**SEX**

MN

**AGE**

5 years

**WEIGHT**

28 #

**INTERPRETED BY**

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

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Small urinary bladder with a thickened (0.5 cm) and hyperechogenic appearance 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 (left 4.8 cm, right 5.3 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

**Reproductive System**

Small anechoic prostate.

**IMAGING PERFORMED BY**

Jose

**Adrenal Glands**

Normal shape, echogenic appearance, position, and size. Left 2.23 cm, right 2.37 cm.

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**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

Dr Thomas

**Liver**

**INVOICE**

302999

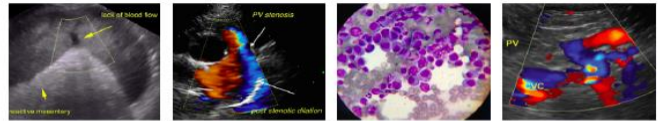
Normal size, echogenic appearance, portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

**DATE**

5/30/22

**Gastrointestinal**

Normal appearance of the stomach, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen. Prominent hypoechogenic appearance of the submucosal layer of the duodenum and the small intestine but with no thickening, loss of layering, or distension of the lumen.



**PATIENT** *Pancreas*

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

**SPECIES** *Free Abdomen*

Canine No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

Collie Mix **ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

**SEX**

- Enteropathy.

**MN**

Secondary Findings:

**AGE**

- Thickened urinary bladder?

5 years

**WEIGHT**

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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Etiology for the enteropathy would be inflammatory bowel disease, parasitic enteritis, and dietary hypersensitivity.

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Although the thickening of the urinary bladder wall may merely be because it is void of urine, cystitis needs to be considered.

Remo Lobetti, BVSc,  
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ECVIM

Further assessment would urine and fecal analyses, possibly urine culture, serum cobalamin and TLI assay, and endoscopy of the upper GI tract with biopsies.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be hypoallergenic/novel protein diet, cobalamin assay, course of fenbendazole and/or metronidazole, and possibly prednisolone

Jose

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Dr Thomas

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**PATIENT**

Patrick Mannion

**SPECIES**

Canine

**BREED**

Collie Mix

**SEX**

MN

**AGE**

5 years

**WEIGHT**

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**IMAGES**

**Urinary bladder**



**Small intestine**



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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)**  
[rlobetti@mweb.co.za](mailto:rlobetti@mweb.co.za)