


**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Mr Bogo Thomas History: Urinating outside of litterbox past few days, acute onset vomiting and diarrhea. Normal appetite.

**SPECIES** Physical Examination: N/A.

Feline Urinalysis: N/A

**BREED** CBC: N/A.

DSH Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**SEX**

MN

**Age**

14 years

**WEIGHT**

7 #

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Urinary System**

Small urinary bladder with a thickened and irregular apical wall with the rest of the wall having a normal thickness and appearance. Small amount of floating hyperechogenic sediment present. No uroliths evident.

Normal trigone area, proximal urethra (0.2 cm), and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.6 cm, right 3.2 cm) with increased echogenic appearance, mild loss of cortico-medullary differentiation, and normal pelvis and capsule. Mild bilateral mineralization.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal position, echogenic appearance, shape, and size. Left 0.4 cm, right 0.5 cm.

**Spleen**

Normal size (0.7 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Normal size with a diffuse hyperechogenic appearance, some loss of portal markings, and regular curvilinear capsule. Multiple parenchymal nodules present: left lateral lobe (hypoechoic 1.1 x 1.6 cm), base of left lobe (hypoechoic 1 x 1.7 cm), and two hyperechoic cystic ones – left lobe (0.8 cm) and right lobe (2 x 2.9 cm). No masses evident. FNA taken with no obvious post aspirate hemorrhage evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.2 cm).

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Sonya Myers, DVM

**HOSPITAL NAME**

Lake Emma Animal  
Hospital

**REFERRING VET**

Dr Wilder

**INVOICE**

303832

**DATE**

1/31/23


**PATIENT**
***Gastrointestinal***

Mr Bogo Thomas

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.25 cm, duodenum 0.17 cm, jejunum 0.24 cm, colon 0.12 cm) and peristaltic activity, and no distension of the lumen. Focal hypoechogenic nodule (0.5 x 1 cm) in the pyloric region.

**SPECIES**

Feline

***Pancreas***
**BREED**

DSH

Enlarged (right 1 cm, left 0.6 cm) with a hypoechogenic appearance and irregular capsule. Focal hypoechogenic nodule (0.5) in the right lobe. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

**SEX**
***Free Abdomen***

MN

Normal mesenteric lymph nodes (1 cm).

**Age**

No ascites.

14 years

**ULTRASONOGRAPHIC FINDINGS**
**WEIGHT**

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**Primary Findings:**

- Nodular hepatopathy.
- Pancreatitis.
- Pancreatic nodule.
- Pyloric nodule.
- Cystitis.

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**Secondary Findings:**

- Age-related renal changes.
- Gall bladder sediment.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the hepatopathy would be hyperplasia, granulomatous disease, cholangio-hepatitis complex, and infiltrative neoplasia.

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The appearance of the pancreas is typical for pancreatitis.

Etiologies for the pancreatic nodule would be reactive hyperplasia, granuloma, and neoplasia.

Etiologies for the pyloric nodule would be lymphoid hyperplasia, granuloma, abscess, and neoplasia.

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Further assessment needs to be based on the pending cytology results but could include urinalysis, urine culture, fPL/PSL assay, and FNA cytology of the pyloric and pancreatic nodule.

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Specific therapy would be dependent on an etiological diagnosis.



**PATIENT IMAGES**

Mr Bogo Thomas

**Liver**

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**Age**

14 years

**WEIGHT**

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**PATIENT** Pancreas

Mr Bogo Thomas

**SPECIES**

Feline

**BREED**

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14 years

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**Stomach**

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**PATIENT** Urinary bladder

Mr Bogo Thomas

**SPECIES**

Feline

**BREED**

DSH

**SEX**

MN

**Age**

14 years

**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.

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