



**PATIENT**

Nubs McNeal

**SPECIES**

Feline

**BREED**

Manx

**SEX**

MN

**AGE**

9 years

**WEIGHT**

14 #

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Lara Wiseman, DVM

**HOSPITAL NAME**

Village Royale Animal  
Clinic

**REFERRING VET**

Dr Gonzales

**INVOICE**

302914

**DATE**

4/16/22

**PRESENTING CLINICAL SIGNS**

History: N/A.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal appearance and thickness of the wall. Normal anechoic urine with no sediment or 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 4 cm, right 4.3 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position. Left 0.32 cm, right 0.4 cm.

**Spleen**

Normal size (1 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Enlarged with rounded edges, diffuse hyperechogenic appearance, and loss of portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.16 cm).



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**Gastrointestinal**

Normal appearance of the gastro-esophageal junction, stomach, duodenum, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.22 cm) and peristalsis, and no distension of the lumen. Large hypoechoic irregular infiltrative mass (4.8 x 7.3 cm) in the small intestine with no obvious evidence of intestinal obstruction. Hyperechogenic appearance of the surrounding mesentery. Rest of the small intestine has normal thickness (0.22 cm) layering, and lumen.

**Pancreas**

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

**Free Abdomen**

Mesenteric lymphadenomegaly (0.6 x 2.3 cm) with normal shape and hypoechoic appearance.

No ascites.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Small intestinal mass.
- Mesenteric lymphadenomegaly.
- Hepatopathy.

Secondary findings:

- None.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The most likely etiology for the intestinal mass would be neoplasia (lymphoma, adenocarcinoma) with granulomatous reaction a less likely differential diagnosis.

Etiologies for the lymphadenomegaly would be reactive, infiltrative neoplasia, and lymphadenitis.

Etiologies for the hepatopathy would be reactive, lipidosis, cholangio-hepatitis complex, and infiltrative neoplasia.

Further assessment would be 3-view thoracic radiographs, liver enzyme activity, FNA cytology of the mass and lymph nodes, and possibly a laparotomy, which could be both diagnostic and therapeutic.

Specific therapy would be dependent on an etiological diagnosis.



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**IMAGES**

**Intestinal mass**



**Mesenteric lymph node**





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**Liver**



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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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