



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Iris McAuslan History: Chronic intermittent abnormal elimination outside of the litter box and inappropriate urination. On gabapentin, Milbemax, Revolution, urinary diet.

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

Feline Urinalysis: SG 1.045, pH 8, struvite crystals.

**BREED** CBC: Eosinophilia

DLH Serum Biochemistry: Normal.

Radiographic Findings: Constipation, severe IVDD, spondylosis, osteopenia?

**SEX**

FS

**AGE**

8 years

**WEIGHT**

2.6 kg

**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, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.4 cm, right 3.6 cm), echogenic appearance, cortico-medullary differentiation, blood flow, pelvis, and capsule.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position. Left 0.6 x 0.23/0.31 cm, right 0.31 cm.

**Spleen**

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

**Liver**

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

**Gastrointestinal**

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. Fecal material within the colon.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr Donna Markland,  
DVM

**HOSPITAL NAME**

Mahalo Veterinary  
Hospital

**REFERRING VET**

**INVOICE**

302662

**DATE**

12/1/21



**PATIENT** *Pancreas*

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

**SPECIES** *Free Abdomen*

Feline Prominent mesenteric lymph nodes.  
No ascites.

**BREED** **ULTRASONOGRAPHIC FINDINGS**

DLH Primary Findings:

- Prominent mesenteric lymph nodes.

SEX FS Secondary Findings:

- None.

AGE 8 years

**WEIGHT** **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

2.6 kg In essence a normal ultrasound of the abdomen. The prominent mesenteric lymph nodes are most likely incidental and secondary to the constipation.

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MMedVet (Med), PhD,  
Dipl. ECVIM

With the radiographic spinal changes an important etiology for the presenting clinical signs would be spinal pain. Etiologies for the osteopenia would be nutritional deficiencies (calcium and phosphate), vitamin D deficiency, hypoparathyroidism, and hypervitaminosis A. With the age of the cat mucopolysaccharidosis would be highly unlikely.

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Dr Donna Markland,  
DVM

Further assessment of the spinal cord would be neurological examination and an MRI. Further assessment of the osteopenia would be dietary history (if possible) and serum calcium, phosphate, vitamin D and A assay.

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the pain would be the addition of NSAIDs or possibly prednisolone.

**REFERRING VET**

**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.**

**INVOICE**

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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.

**DATE**

12/1/21

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