


**PATIENT PRESENTING CLINICAL SIGNS**

Lulu Star History: Suspected Cushing's disease.

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

Canine Urinalysis: N/A.

CBC: N/A.

**BREED** Serum Biochemistry: Elevated liver enzyme activity.

Cairn terrier Radiographic Findings: N/A.

**SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

FS

**Urinary System**

**Age**

12 years

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

**WEIGHT**

18 #

Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

Normal iliac lymph nodes (1.4 cm). Ureters not visualized.

Normal renal size (left 4.7 cm, right 5.1 cm) with increased echogenic appearance, some loss cortico-medullary differentiation, and normal pelvis and capsule. Bilateral pinpoint mineralization.

**INTERPRETED BY**

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

**Reproductive System**

N/A.

**IMAGING PERFORMED BY**

Sonya Myers, DVM

**Adrenal Glands**

Normal position, echogenic appearance, shape, and size. Left 0.6/0.48 cm, right 0.58/0.7 cm.

**HOSPITAL NAME**

Lake Emma Animal  
Hospital

**Spleen**

Normal size (1.3 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

Dr Crainick

**Liver**

Enlarged with rounded edges, diffuse hyperechogenic appearance, some loss of portal markings, and regular curvilinear capsule. Multiple hyperechogenic parenchymal nodules (up to 1.4 cm). No masses evident. FNA taken of the liver with no obvious post aspirate hemorrhage. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.3 cm).

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**PATIENT** *Gastrointestinal*

Lulu Star Normal appearance of the duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.4 cm, jejunum 0.4 cm) and peristaltic activity, and no distension of the lumen Thickening of the cardia gastric wall (1.4 cm) with some loss of layering. Rest of the stomach has a normal thickness (0.45 cm) and appearance.

**SPECIES**

Canine

*Pancreas*
**BREED**

Cairn terrier

Normal size and (right 1.1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

*Free Abdomen*
**SEX**

FS

No mesenteric lymphadenomegaly.  
No ascites.

**Age**

12 years

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Gastropathy.
- Nodular hepatopathy.

**WEIGHT**

18 #

Secondary Findings:

- Age-related renal changes.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**
**IMAGING PERFORMED BY**

Sonya Myers, DVM

Etiologies for the gastropathy would be non-specific gastritis, ulcerative gastritis, helminths, *Helicobacter* gastritis, inflammatory bowel disease granulomatous disease, and emerging neoplasia.

**HOSPITAL NAME**

Lake Emma Animal  
Hospital

Etiologies for the nodular hepatopathy would be reactive, nodular hyperplasia, chronic hepatitis, granulomatous disease, and infiltrative neoplasia.

**REFERRING VET**

Dr Crainick

Further assessment needs to be based on the pending liver cytology results but could include 3-view thoracic radiographs, gastroscopy with biopsies, and possibly Tru-cut/wedge biopsy of the liver.

Specific therapy would be dependent on an etiological diagnosis.

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**PATIENT Stomach**

Lulu Star

**SPECIES**

Canine

**BREED**

Cairn terrier

**SEX**

FS

**Age**

12 years

**WEIGHT**

18 #



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 MMedVet (Med), PhD,  
 Dipl. ECVIM

**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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**HOSPITAL NAME**

Lake Emma Animal  
 Hospital

**REFERRING VET**

Dr Crainick

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