


PATIENT PRESENTING CLINICAL SIGNS

PATIENT Lily Vanderschaaf **History:** Persistent elevated liver enzyme activity, decreased energy. History of being Lyme positive.

SPECIES Physical Examination: N/A.

Canine **Urinalysis:** N/A.

BREED CBC: N/A.

Terrier **Serum Biochemistry:** Elevated ALT, ALP, and GGT activity, cholesterol, and lipase.

Radiographic Findings: N/A.

SEX

Female

Age

13 years

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

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

WEIGHT

14 #

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

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Normal renal size, echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal position, echogenic appearance, shape, and size.

Spleen

Normal size with normal echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No inflammatory, neoplastic, infarction, or infiltrative changes evident. Multiple incidental myelolipomas.

IMAGING PERFORMED BY

Dr Kellie Pesola

HOSPITAL NAME

Stuga North Veterinary Care

REFERRING VET

Dr Kellie Pesola

Liver

Normal size with a diffuse hyperechogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules or masses evident.

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Gall bladder

Full containing large amount of floating and dependent hyperechogenic and mineralized sediment. Normal thickness and echogenic appearance of the wall. Normal bile duct.

DATE

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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.


PATIENT *Pancreas*

Lily Vanderschaaf

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

SPECIES *Free Abdomen*

Canine

No mesenteric lymphadenomegaly.
No ascites evident.

BREED

Terrier

ULTRASONOGRAPHIC FINDINGS
SEX

Primary Findings:

Female

- Hepatopathy.
- Gall bladder sediment.

Age

Secondary Findings:

13 years

- None.

WEIGHT

14 #

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS
INTERPRETED BY

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

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

Although the gall bladder sediment is merely an incidental finding, an emerging mucocele needs to be considered.

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Further assessment would be FNA cytology of the liver; however, a Tru-Cut/wedge biopsy may be required for a final etiological diagnosis.

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Care

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy for both the liver and gall bladder would be ursodiol.

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PATIENT

Lily Vanderschaaf

SPECIES

Canine

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INVOICE

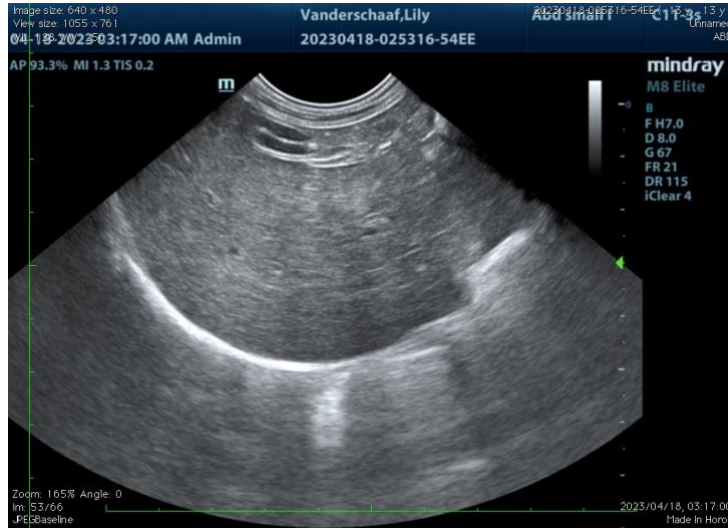
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IMAGES

Liver



Gall bladder



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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