



PATIENT PRESENTING CLINICAL SIGNS

Isabella Loucks History: Acute vomiting – improved with bland diet and Denamarin.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Elevated ALT, ALP, and GGT activity. Abnormal cPL.

Old English sheepdog Radiographic Findings: N/A.

SEX

FS

AGE

8 years

WEIGHT

115 #

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance 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 with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

N/A.

IMAGING PERFORMED BY

Dr Kevin Moon, DVM

Adrenal Glands

Normal shape, echogenic appearance, position, and size.

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Shiloh Veterinary
Hospital

Spleen

Normal size with a diffuse mottled echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

REFERRING VET

Dr Nicole Kaczor

Liver

Normal size with an increased echogenic and coarse 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.

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Gastrointestinal

DATE

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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*

Isabella Loucks Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.
No ascites.

BREED

Old English sheepdog

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

SEX

FS

- Hepatopathy.
- Splenic pathology.

AGE

8 years

Secondary Findings:

- Age-related renal changes.

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be reactive, vacuolar, metabolic, copper/iron hepatitis, chronic hepatitis, early cirrhosis, and infiltrative neoplasia.

Etiologies for the spleen would be reactive, splenitis, hyperplasia, and infiltrative neoplasia.

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

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be to continue with the Denosyl and to add ursodiol.

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PATIENT IMAGES

Isabella Loucks **Liver**

SPECIES

Canine

BREED

Old English sheepdog

SEX

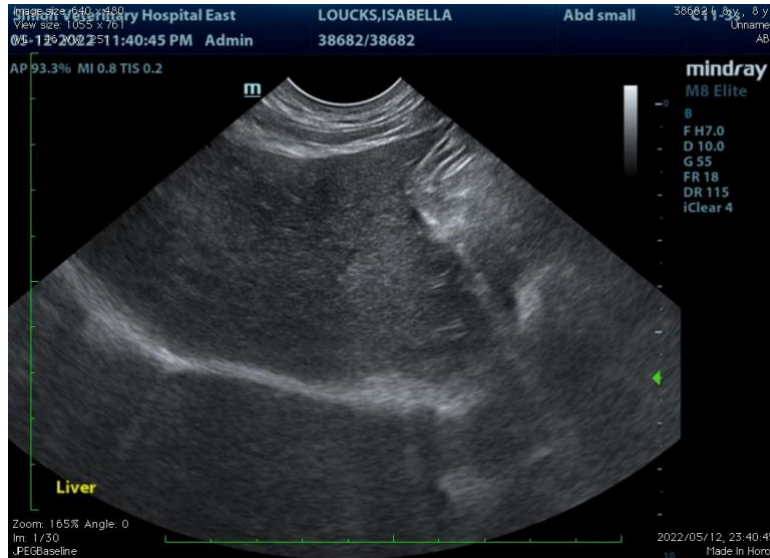
FS

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Spleen

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IMAGING PERFORMED BY

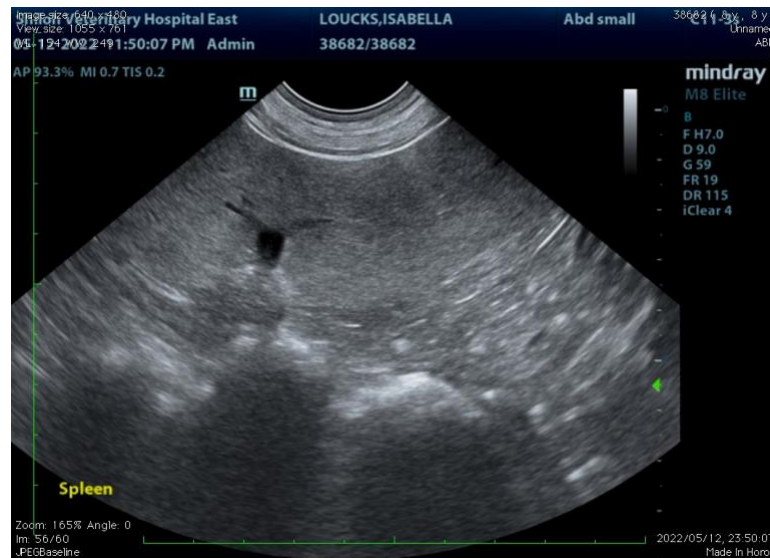
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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