


**PATIENT PRESENTING CLINICAL SIGNS**

Rocky Lee History: Asymptomatic – elevated liver enzyme activity.

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

Canine Urinalysis: SG 1.034.

CBC: N/A.

**BREED** Serum Biochemistry: Elevated ALP activity and cholesterol.

Morkie Radiographic Findings: N/A.

**SEX**

MN

**Age**

12 years

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**
**Urinary System**

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

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

12.5 # Normal iliac lymph nodes. Ureters not visualized.

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

**INTERPRETED BY**

Remo Lobetti, BVSc,  
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**Reproductive System**

Small hypoechoic prostate.

**Adrenal Glands**

Normal position, echogenic appearance, shape, and size.

**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. Two small round hypoechoic parenchymal nodules in the body of the spleen. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**IMAGING PERFORMED BY**

Kyoung Han

**HOSPITAL NAME**

Tenafly Vet Center

**REFERRING VET**

Kyoung Han

**Liver**

Enlarged with rounded edges, diffuse mottled echogenic and nodular appearance, loss of portal markings, and regular curvilinear capsule. Nodules are small, hypoechoic, and parenchymal. No 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**

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. Ingesta within the stomach.



**PATIENT** *Pancreas*

Rocky Lee 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.

**BREED**

Morkie

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- SEX**
  - Nodular hepatopathy.
- MN**
  - Splenic nodules

**Age**

Secondary Findings:

- 12 years • None.

**WEIGHT**

12.5 #

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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

Etiologies for the splenic nodules would be incidental finding, reactive hyperplasia, granuloma, and neoplasia.

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

Specific therapy would be dependent on an etiological diagnosis. Symptomatic therapy would be ursodiol.

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**PATIENT**

Rocky Lee

**SPECIES**

Canine

**BREED**

Morkie

**SEX**

MN

**Age**

12 years

**WEIGHT**

12.5 #

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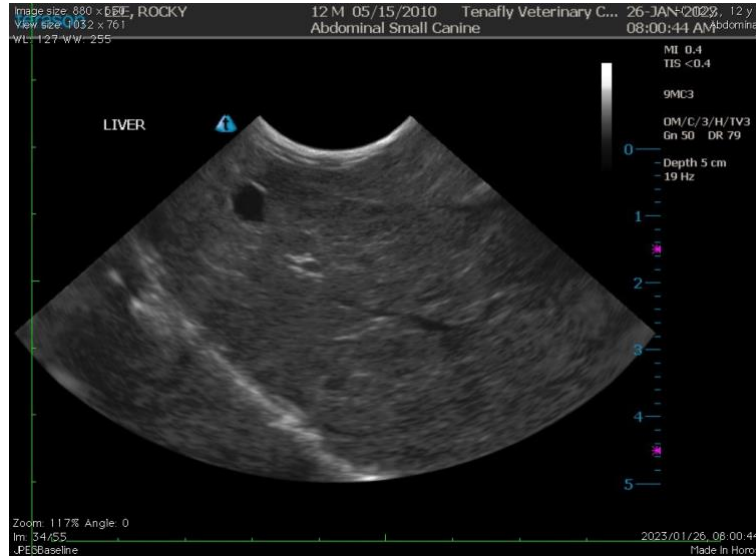
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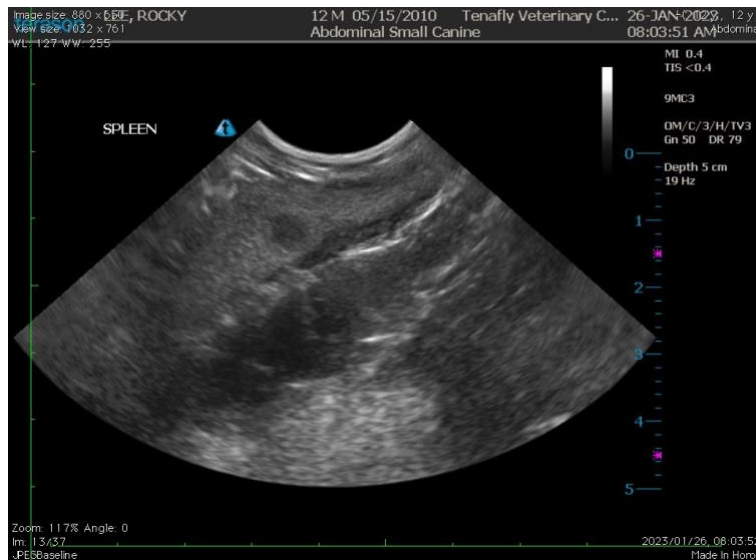
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**IMAGES**

**Liver**



**Spleen**



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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