



**PATIENT**

Zenayah Nicholas

**SPECIES**

Canine

**BREED**

German Shepherd Mix

**SEX**

Spayed Female

**AGE**

9 Years 6 Months

**WEIGHT**

53 pounds

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Verona AH

**REFERRING VET**

Dr. Stock

**INVOICE**

12402

**DATE**

11/21/25

**PRESENTING CLINICAL SIGNS**

Severely elevated ALP Physically normal at home.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness and smooth appearance of the wall. Normal anechoic urine with no sediment or uroliths evident. Normal appearance of the trigone area, proximal urethra, and iliac blood vessels. Normal appearance and size of the iliac lymph nodes. Ureters not visualized, which can be considered a normal finding.

Normal renal size, architecture, echogenic appearance, cortico-medullary differentiation, which maintains a 1:3 cortex to medulla ratio, pelvis, and capsule. No infarcts, mineralization or renoliths evident. The left kidney measured 5.7 cm in length. The right kidney measured 5.8 cm in length. Normal color flow pattern was evident in both kidneys.

**Adrenal Glands**

Normal shape, echogenic appearance, size, position, and appearance of the visible peri-adrenal vasculature. The left adrenal gland measured 2.75 cm in length x 0.63 cm and 0.71 cm in width. The right adrenal gland measured 2.95 cm in length x 0.58 cm in width.

**Spleen**

Normal size and echogenic appearance. Smooth homogenous parenchyma and regular curvilinear capsule. Normal volume of the splenic vasculature without any overt congestion or thrombosis evident. No inflammatory, neoplastic, infarction, or infiltrative changes evident. The spleen measured 2.8 cm in width.

**Liver**

Normal size, with a diffuse increased echogenic coarse and nodular appearance, decreased portal markings, and regular curvilinear capsule. Nodules are few in number, parenchymal, hypoechogenic and measure up to 0.50 cm in size. No masses evident. Normal appearance of the hepatic and portal vasculature.

**Gallbladder**

Full containing normal anechoic bile. Normal thickness and echogenic appearance of the wall. Normal size and appearance of the cystic and common bile duct.

**Gastrointestinal**

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, 1:3 muscularis to mucosa ratio, normal wall thickness and peristaltic activity, and no distension of the lumen. Small amount of ingesta present within the stomach compatible with a recent meal.

**Pancreas**



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Visible sections of the pancreas are of normal size and echogenic appearance with a regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**Free Abdomen**

Normal mesenteric lymph nodes.

No ascites evident.

**ULTRASONOGRAPHIC FINDINGS**

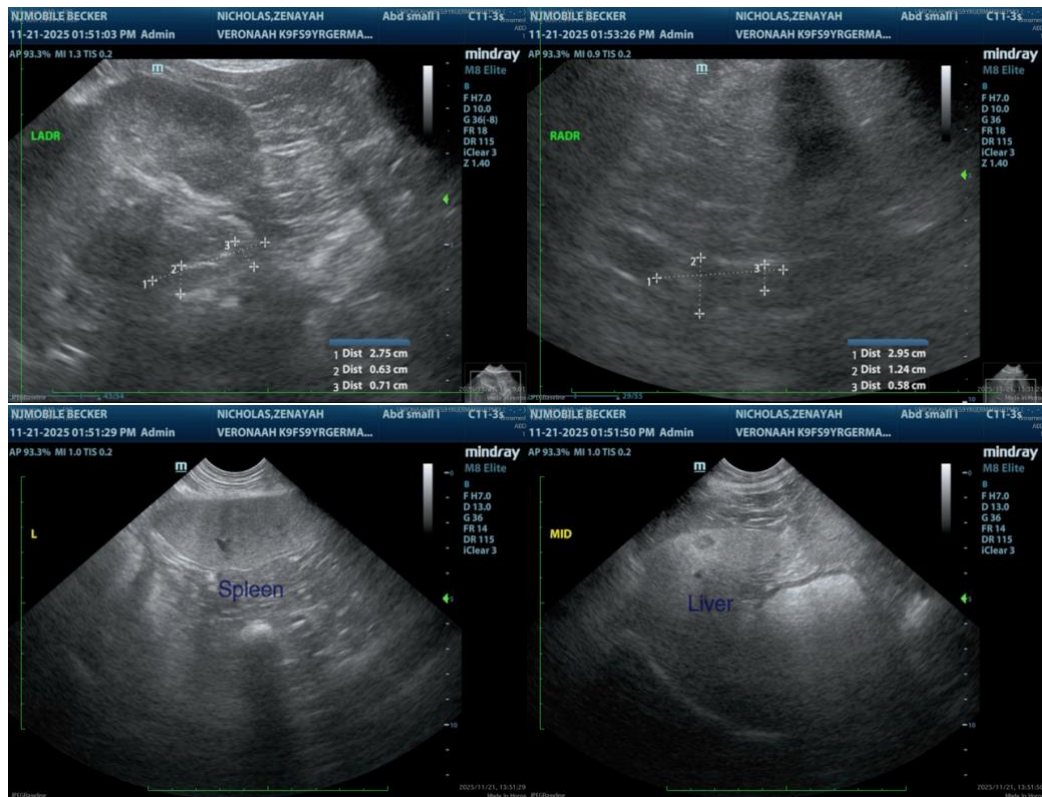
- Nodular hepatopathy.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the nodular hepatopathy would be nodular hyperplasia, vacuolar/metabolic and chronic hepatitis with infiltrative neoplasia an unlikely differential diagnosis.

Further assessment would be FNA cytology of the liver, however, a tru-cut or wedge biopsy may be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management that could be considered would be the use of Ursodiol with regular monitoring of liver enzyme activity.





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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

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

[info@sonopath.com](mailto:info@sonopath.com)