



**PATIENT**

Cooper Marion

**SPECIES**

Canine

**BREED**

Husky

**SEX**

Neutered Male

**AGE**

6 Years 9 Months

**WEIGHT**

90 Pounds

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Amy Isaac

**HOSPITAL NAME**

Valley West & Elk  
Valley VH

**REFERRING VET**

Amy Isaac

**INVOICE**

23512

**DATE**

7/20/23

**PRESENTING CLINICAL SIGNS**

Presented to the clinic last week for PU/PD and weight loss of 9 pounds. Approx 2-3 month history

Abnormal PE/Chem/CBC/UA Results: Normal BUN/Cr and BG. ALT over 900 (18-131) ALP 308 (5-160) AST 80 (16-51) GGT 211 (0-15) Chol 757 (131-345) Lipase 357 (0-250) Decreased USPG 1.011

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 8.0 cm. The left kidney measured 8.0 cm.

**Adrenal Glands**

The **adrenal glands** were not visualized.

**Spleen**

The **spleen** was largely normal with a focal hypoechoic nodule noted, measuring 5.0 mm, nondisruptive.

**Liver**

The **liver** was uniformly enlarged. Some visibility of the dorsal liver was not evident owing to acoustic continuation. Occasional hypoechoic nodule was noted in the liver. The gallbladder revealed minor excessive gallbladder debris, not to mucocele formation.

**Gastrointestinal**

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

**Pancreas**

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

- Structurally unremarkable liver, subjectively benign hepatopathy
- Minor excessive gallbladder debris
- Subtle splenic and hepatic nodules



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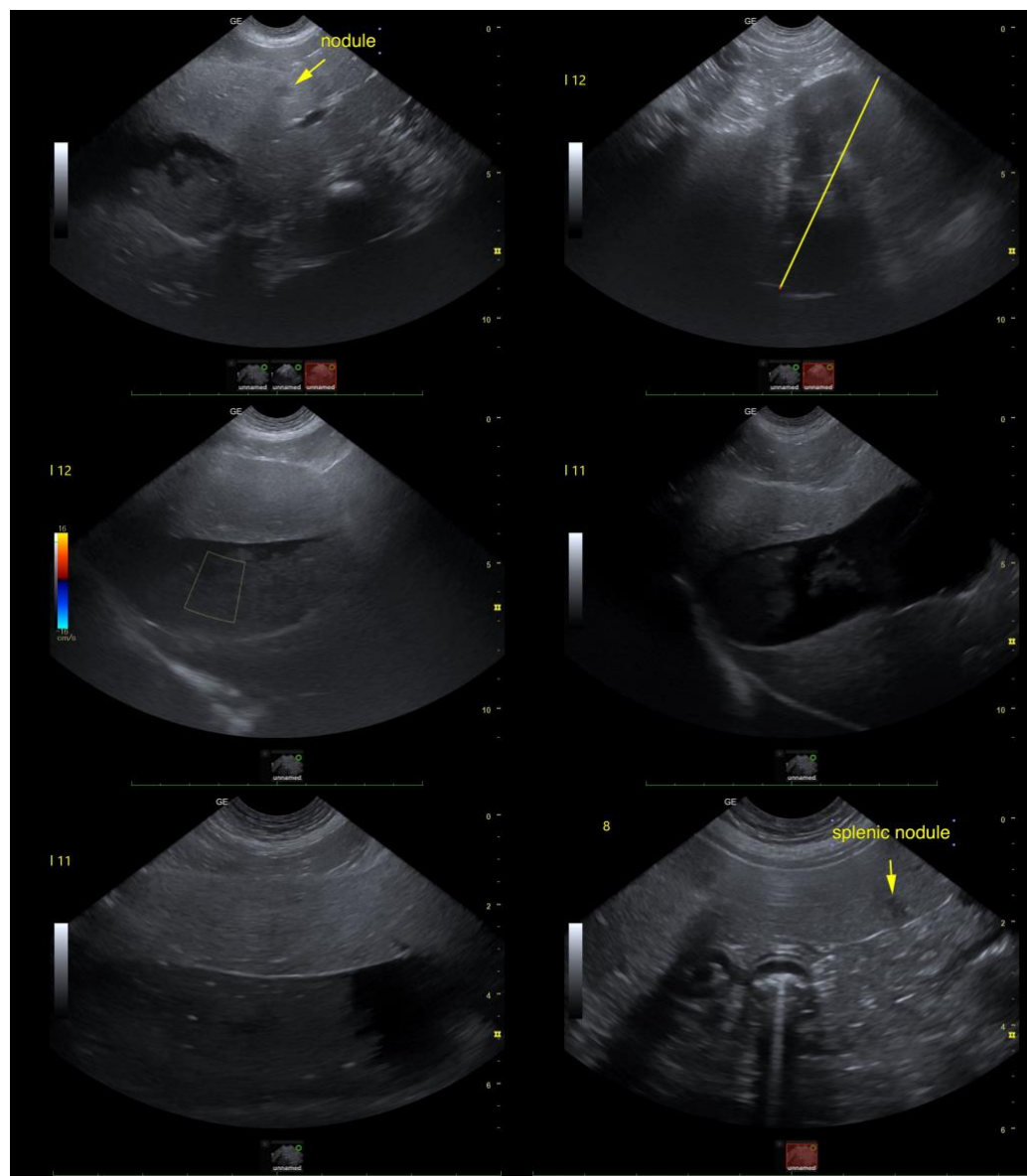
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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Subacute inflammatory hepatopathy given the ALT elevations- FNA is indicated. If adrenal disease is suspected, sedation and further imaging of the adrenals is indicated.





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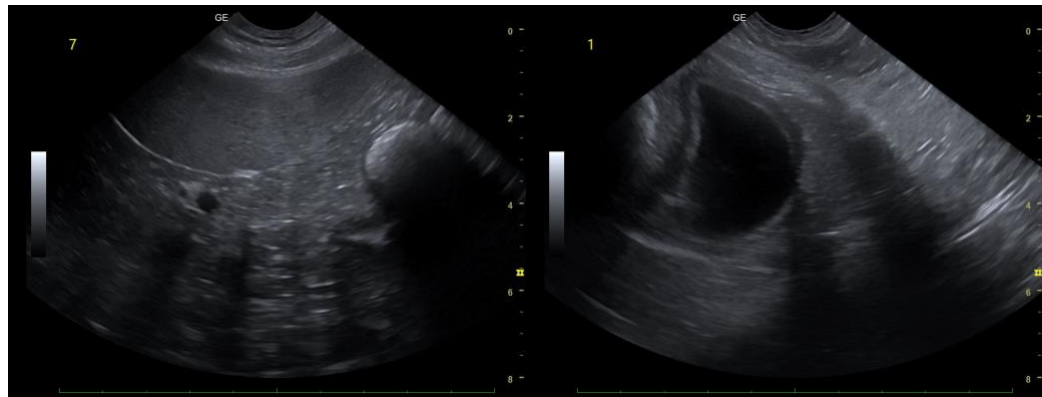
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**The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

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.

**Eric Lindquist**, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com  
info@SonoPath.com