

PATIENT

Kathy Annand

SPECIES

Canine

BREED

Border Collie Mix

SEX

Spayed Female

AGE

14 Years

WEIGHT

33 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Dr. Gira

HOSPITAL NAME

Resolution VU, LTD

REFERRING VET

Dr. Gira

INVOICE

15783

DATE

5/27/22

PRESENTING CLINICAL SIGNS

History: Follow up ultrasound with history of mild generalized splenomegaly with multiple, ill-defined hypoechoic foci 6 months ago (Nov 2021). FNA of spleen was done at that time

Abnormal PE/Chem/CBC/UA Results: Normal BW and UA

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 left kidney measured 6.8 cm. The right kidney measured 6.8 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The left adrenal gland measured 0.73 cm at the caudal pole and 0.52 cm at the cranial pole. The right adrenal gland measured 1.09 cm at the cranial pole and 0.79 cm at the caudal pole.

Spleen

The **spleen** revealed heterogeneous parenchymal changes, relatively normal size and coarse architecture, most consistent with hyperplasia.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some mild age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

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.



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Pancreas

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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.

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ULTRASONOGRAPHIC FINDINGS

- Micronodular hyperplasia splenic pattern
- Age-related abdominal changes otherwise

BREED

Border Collie Mix

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

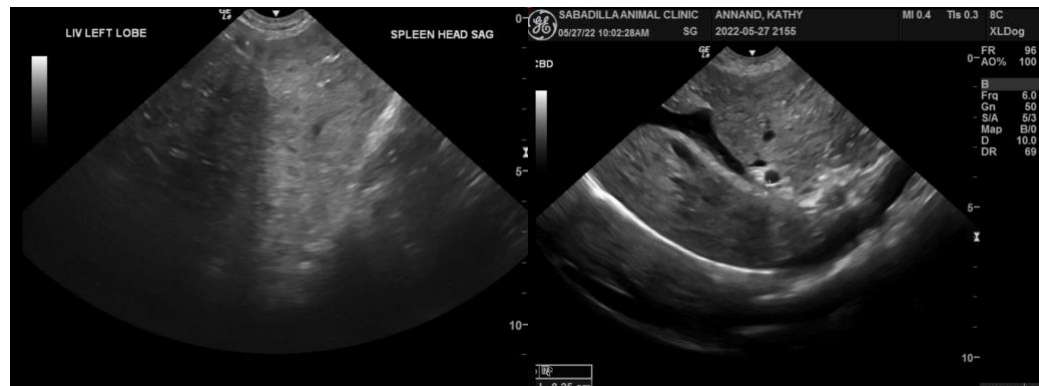
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No evidence of significant disease. The cytology reported fits the sonographic presentation, even though the spleen may be somewhat precarious in infrastructure. The nodular and heterogeneous changes are likely passive, as no capsular expansion is present and architecture is relatively conserved. However, I cannot rule out a preneoplastic presentation. If any weight loss occurs, then repeat sonogram and FNA of the spleen indicated.

AGE

14 Years



WEIGHT

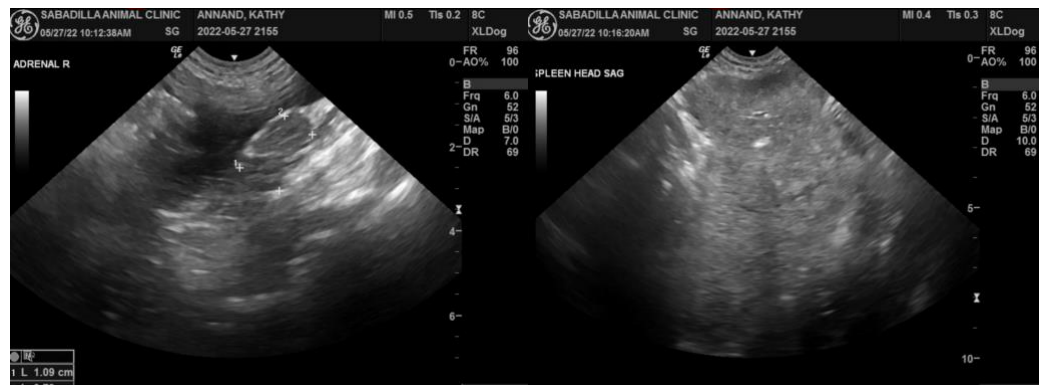
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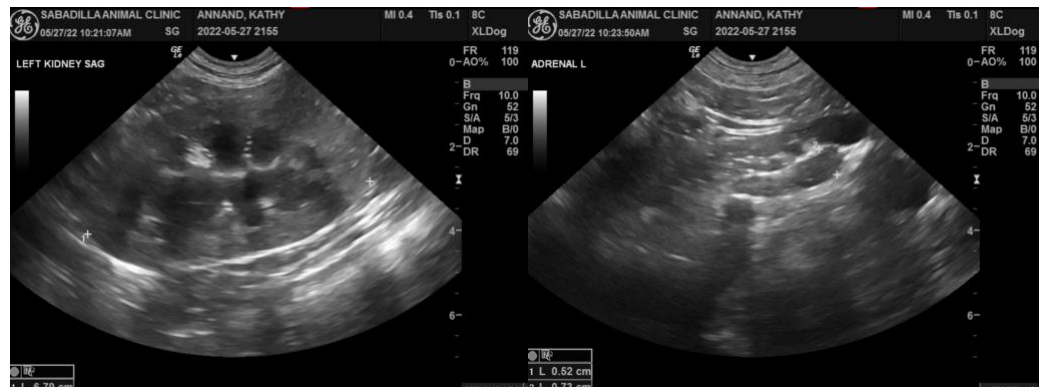
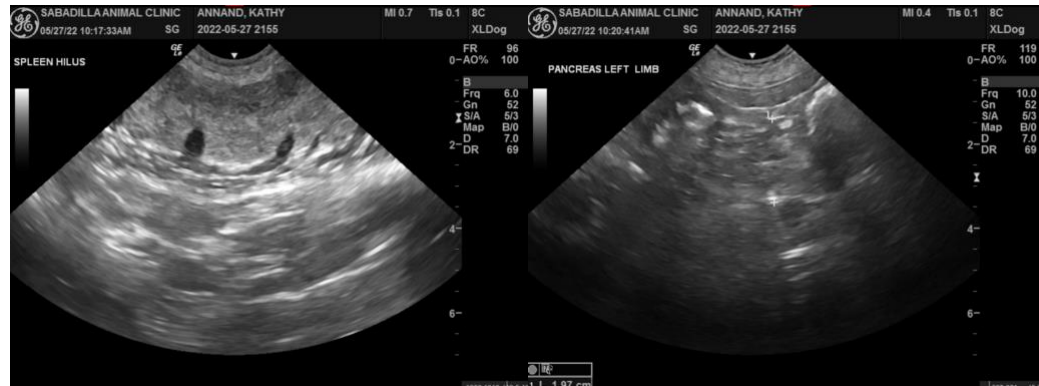
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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