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Clinical Sonography & Telecytology
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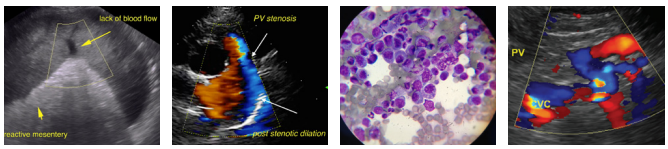

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT
Maisie Spellman

SPECIES
Canine

BREED
Lab X

SEX
Spayed Female

AGE
11 Years

WEIGHT
71.9 Pounds

INTERPRETED BY
Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY
Jessica Miller

HOSPITAL NAME
ACC Flanders

REFERRING VET
Dr. Hallihan

INVOICE
36537

DATE
3/29/22

PRESENTING CLINICAL SIGNS

Hx of proteinuria and elevated Alk Phos, lethargic / ADR Current meds: Rimadyl 75mg 1T SID Abnormal PE/Chem/CBC/UA Results: Albumin 2.6, Alk Phos 234, Chole 564, Amylase 1779, PrecisionPSL 173, Hemo 11.8, Neut 84%, Lymphocytes 9%, Eos 10%, Abs Neut 13020, Abs Monocytes 930 UA: +2 blood, +3 protein SG: 1.020

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **bladder** in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal.

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 7.81 cm. The right kidney measured 7.2 cm. Occasionsal cortical cysts noted in the kidneys.

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 3.4 cm x 0.78 cm at the caudal pole and 0.61 cm at the cranial pole. The right adrenal gland measured 2.62 cm x 1.15 cm at the cranial pole and 0.59 cm at the caudal pole.

Spleen

The **spleen** revealed multiple expansive target lesions and overt masses up to 4.0 cm.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some 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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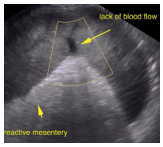

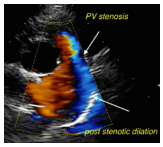

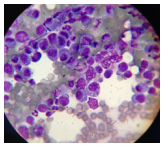
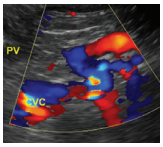

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Pancreas

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.

Free Abdomen

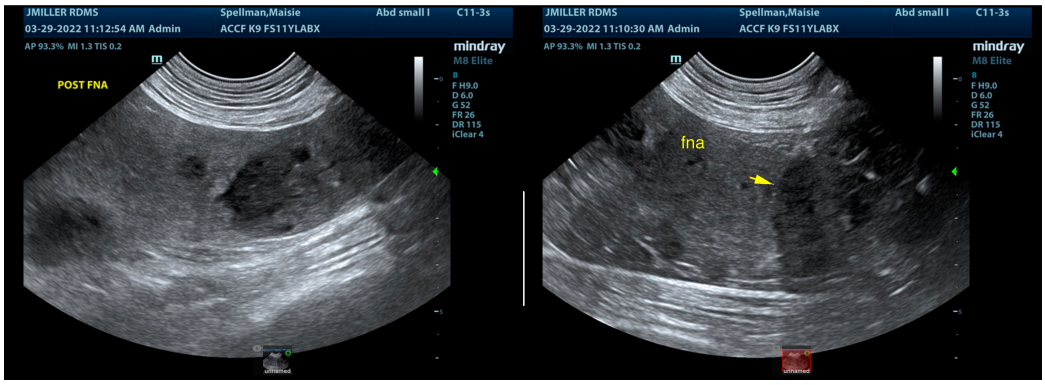
Rapid view of the heart revealed no evident pathology.

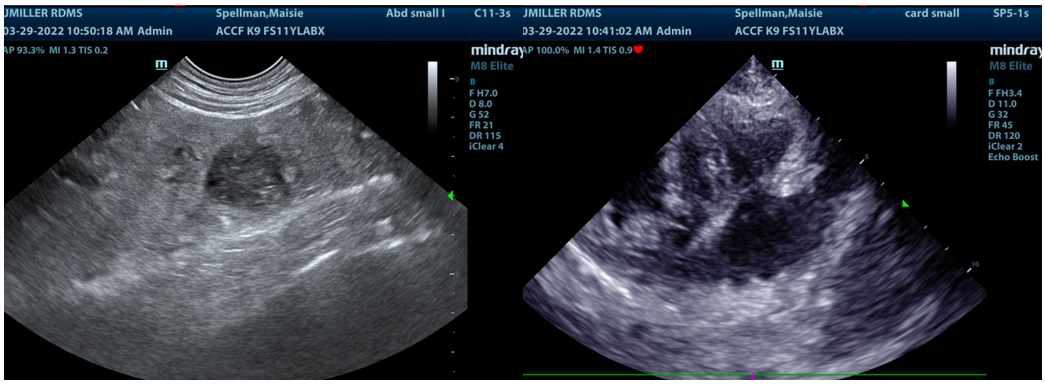
ULTRASONOGRAPHIC FINDINGS

- Splenic nodules and mass
- Mild chronic cystitis bladder pattern
- Geriatric abdomen otherwise

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No overt evidence of metastatic disease. Recommend 3-view chest radiographs followed by splenectomy, liver inspection and biopsy. Hemangiosarcoma, round cell neoplasia possible, less likely benign hyperplasia. Splenic abscessation or granulomatous disease also possible. The spleen is significantly precarious. FNA of the splenic nodules performed without complication for screening purposes.





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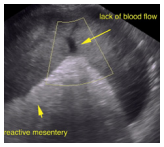

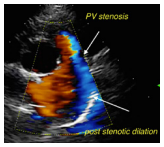

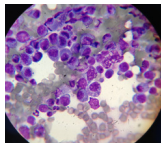
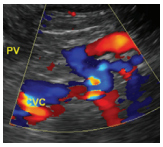

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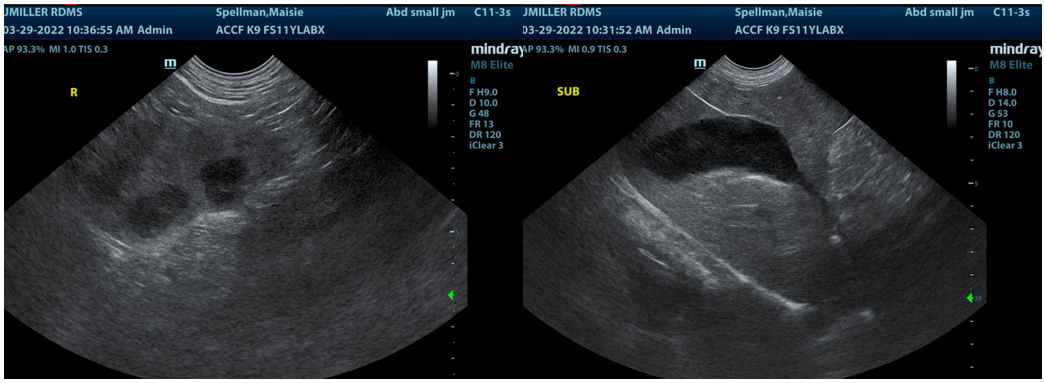

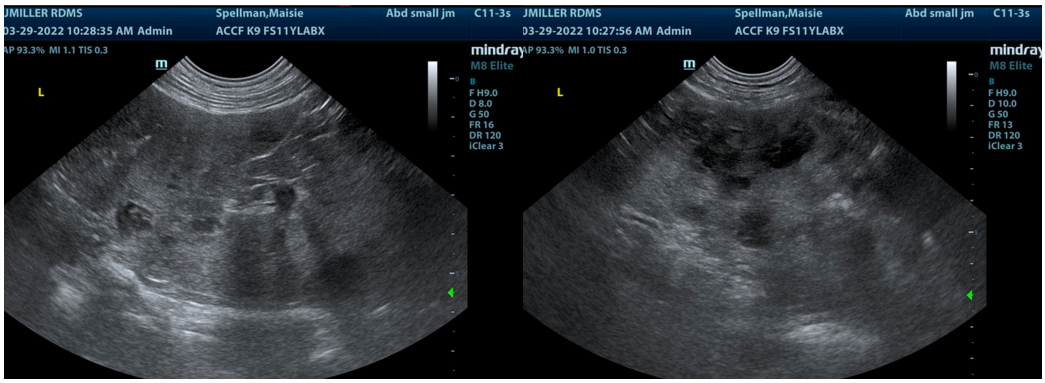

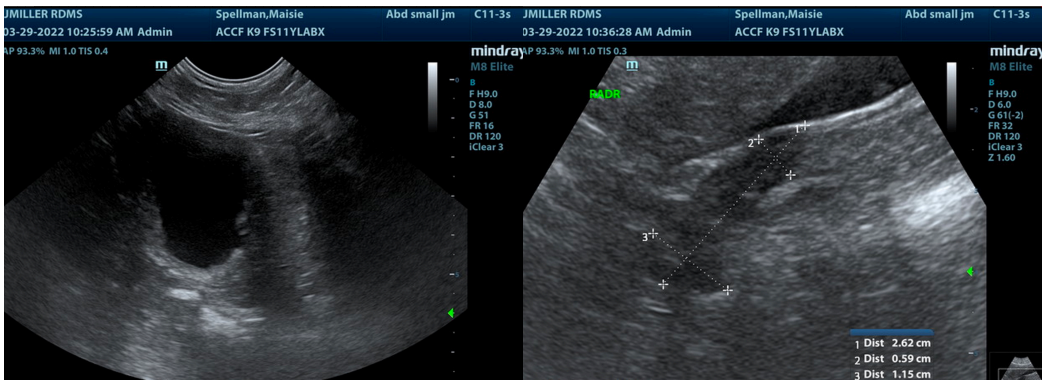

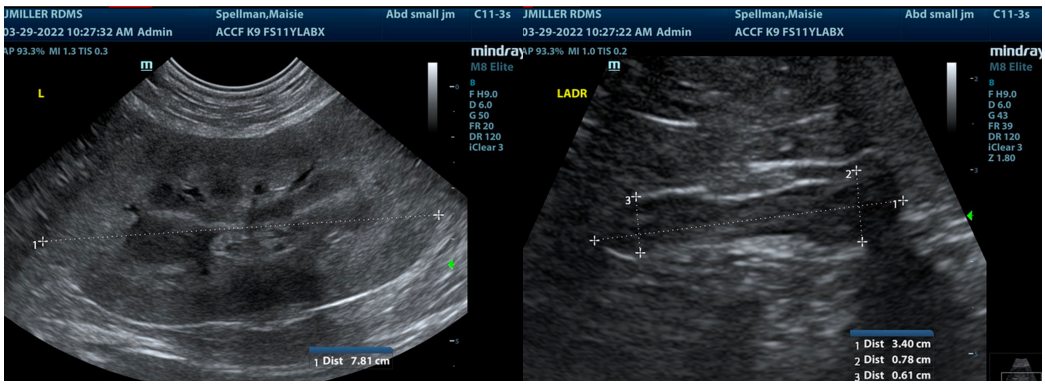

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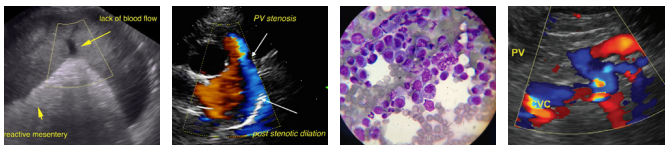

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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

info@SonoPath.com