



PATIENT

Emmy Maull

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

15 Years 11 Months

WEIGHT

4.13 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Heather M.

HOSPITAL NAME

ACC Flanders

REFERRING VET

Dr. Villari

INVOICE

23876

DATE

8/11/23

PRESENTING CLINICAL SIGNS

History: Urinating outside of the box since June, mild anemia, eating and drinking okay but intaking more water than usual for her not on any medication gave 0.1 torb IV for light sedation

Abnormal PE/Chem/CBC/UA Results: RBC- 6.73(lo), mch-16.9(hi), lymph-0.68(lo), mono-0.762(hi), platelets-95(lo), IDEXX SDMA- 19(hi), creat-0.8(lo) potassium-3.6(lo), NA/K Ratio-43(hi), total protien-10.9(hi), alb-2.4(lo), glob-8.5(hi), alb/glob ratio- 0/3(lo), AST-175(hi), ALP-460(hi), bili total - 2.9(hi), bili unconjugated- 1.1(hi) U/A SG - 1.019 abnormal u/a - marked COCCI

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** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. This is a moderate change. The left kidney measured 4.17 cm. The right kidney measured 4.06 cm.

Adrenal Glands

The regions of the **adrenal glands** revealed no evident pathology.

Spleen

The **spleen** was enlarged, irregular and nodular, measuring up to 2.0 cm in width.

Liver

The **liver** presented multiple mixed echogenic expansive and disruptive masses with irregular hepatomegaly and various nodular changes throughout the liver, deviating the gallbladder.

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.

Free Abdomen



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Free fluid was noted in the abdomen. Free fluid is likely owing to portal hypertension or infiltrative disease and lymphatic obstruction.

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ULTRASONOGRAPHIC FINDINGS

SPECIES

- Splenohepatic infiltrative pattern- round cell neoplasia is suspected.
- Secondary ascites
- Moderate degenerative renal changes

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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FNA of the spleen and liver could be considered for further definition. This is a lymphomatosis type presentation. Prognosis is poor.

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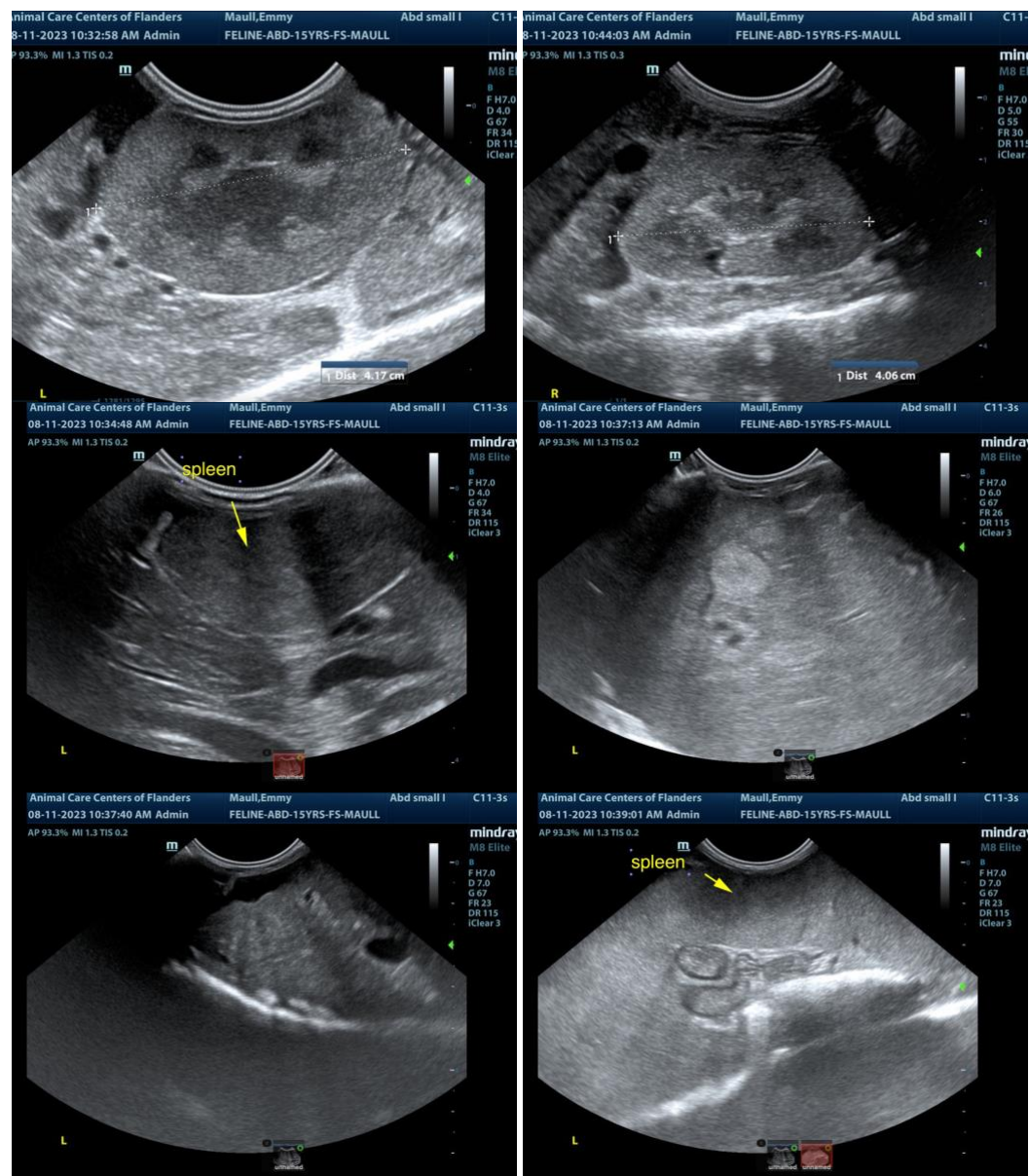
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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