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Clinical Sonography & Telecytology
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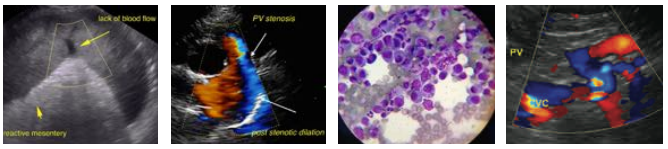

PATIENT

Esme Ulsh

SPECIES

Feline

BREED

Domestic Longhair

SEX

Spayed Female

AGE

9 years

WEIGHT

5.5 kg

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

Dr. Moser

INVOICE

98025

DATE

4/4/22

PRESENTING CLINICAL SIGNS

History: Presented for anemia, lethargy, poor appetite over past 3 weeks and has lost 3lbs. Seen at rdvm yesterday. Bloodwork showed hct 10.9.
Abnormal PE/Chem/CBC/UA Results: mm pale, Gallop rthym, 3/6 systolic murmur, suspected prominent spleen on abd palpation. Rdvm rads: suspect generalized cardiomegaly, rest appears unremarkable. Rdvm bloodwork: RBC 1.59; HCT 10.9; HEMO 3.5; MCV 68.6; MCH 22; RDW 33.6; Retic Hemo 25.4; NEU 1.17; EOS 0.01; PLT 82 clumping with slow draw; GLU 182; SDMA 23; CREA 2.5; NA 166; TP 11.0; GLOB 8.4; T4 1.5

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 was noted. Ureteral papillae 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 this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 3.88 cm. The right kidney measured 3.83 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.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

Liver

The **liver** was mildly hyperechoic to the falciform fat. The gallbladder and common bile duct were unremarkable.

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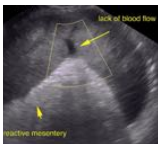
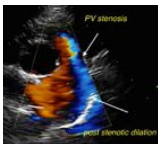
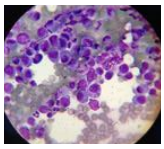
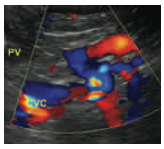

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Gastrointestinal

The **stomach** revealed progressively shadowing luminal material. This is consistent with hairball accumulation.

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.

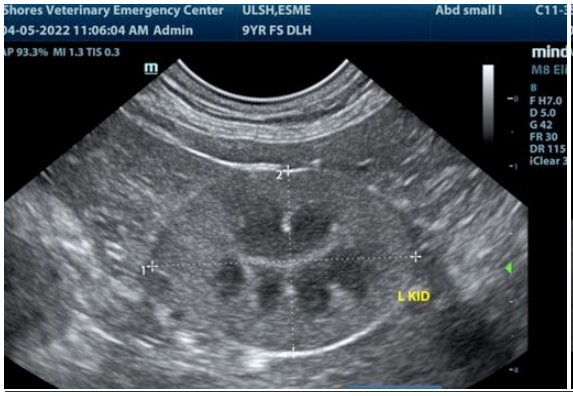
ULTRASONOGRAPHIC FINDINGS

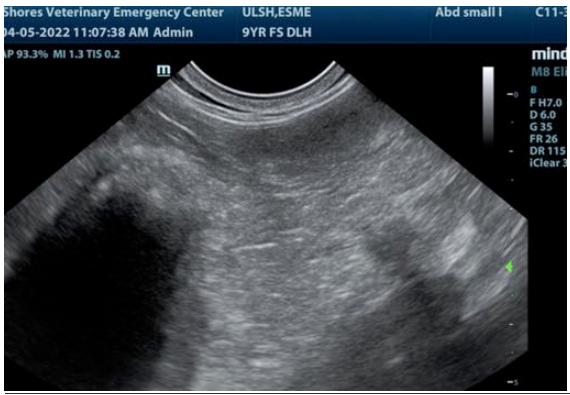
Lipidosis hepatic pattern.

Largely geriatric abdomen.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There was no evidence of pathology related to the anemia. CBC path review and bone marrow aspirate is warranted. Bone marrow disease is likely. The kidneys do not appear subjectively end stage. Pre renal insults are likely playing a role.





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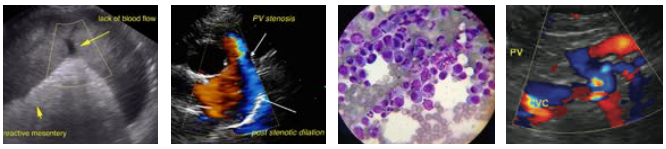

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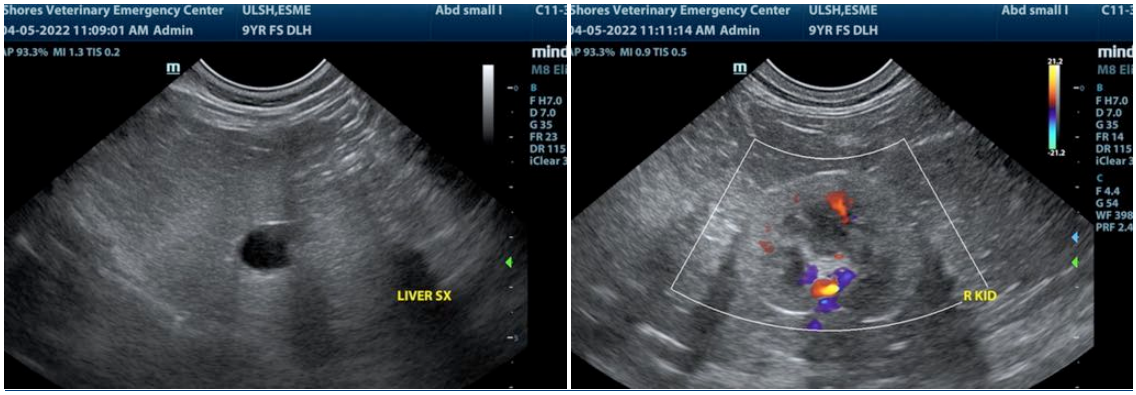

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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