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Clinical Sonography & Telecytology
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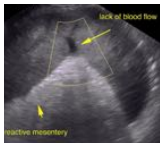

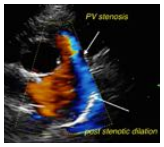

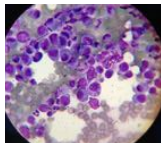
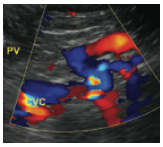

SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Bolek Cullen

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Neutered male

AGE

12 ½ years

WEIGHT

8.62 lbs

INTERPRETED BY

Eric Lindquist, DMV DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Amy Priest

HOSPITAL NAME

Long Valley AH

REFERRING VET

Dr. Earl

INVOICE

44993

DATE

6/27/23

PRESENTING CLINICAL SIGNS

History: Anorexia. Progressive weight loss. Progressive, non-regenerative anemia. Owner reports that pet is eating and acting somewhat better since beginning a trial on steroids (prednisolone). Abnormal PE/Chem/CBC/UA Results: RBC=4.11; Hct=17.6; Hgb=5.8 Poikilocytes=slight; Heinz bodies=slight NSF on chem prof or UA Anemia PCR panel--all negative Fecal--all negative

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. A minor amount of debris was noted. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The left **kidney** is enlarged and measured 4.6 cm with thickened, echogenic cortices and some loss of corticomedullary definition. The right kidney measured 4.55 cm with mild renomegaly.

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** was enlarged with a hypoechoic parenchyma. The spleen measured 1.4 cm in width. Enhanced surrounding mesentery was noted.

Liver

The **liver** was enlarged and hypoechoic. The liver appeared swollen. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic duct was tortuous.

Gastrointestinal

The **gastrointestinal** presentation revealed mild uniform prominence of the gastric mucosa as well as areas of "ropey" small intestinal wall with slight disruption of the normal 1:3 muscularis/mucosal ratio. The intestinal submucosa was slightly irregular, thickened and hyperechoic suggestive of low grade, chronic disease. The mesenteric lymph nodes were reactive and measured up to 2.0 x 0.5 cm. Cranial abdominal lymph nodes are enlarged, rounded and hypoechoic measuring 1.6 x 2.7 cm.

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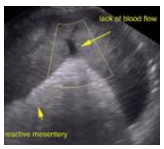
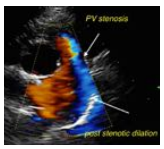
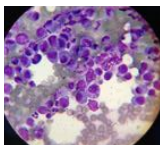
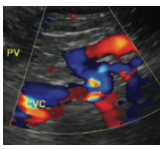

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Pancreas

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

Slight areas of free fluid were noted.

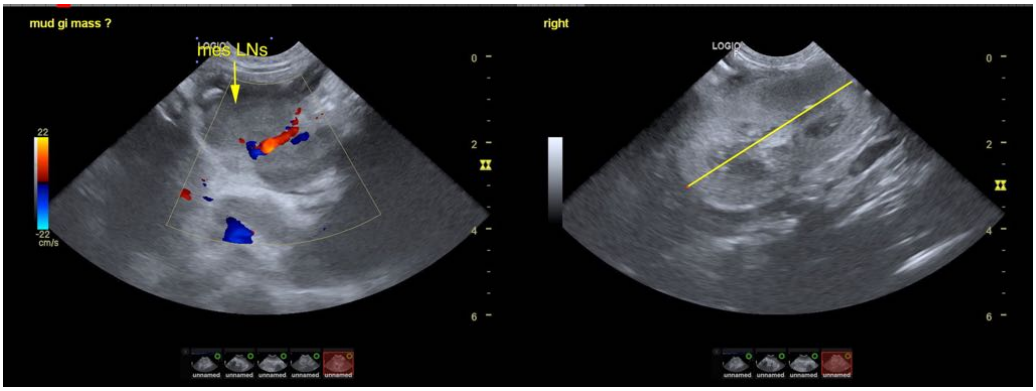
ULTRASONOGRAPHIC FINDINGS

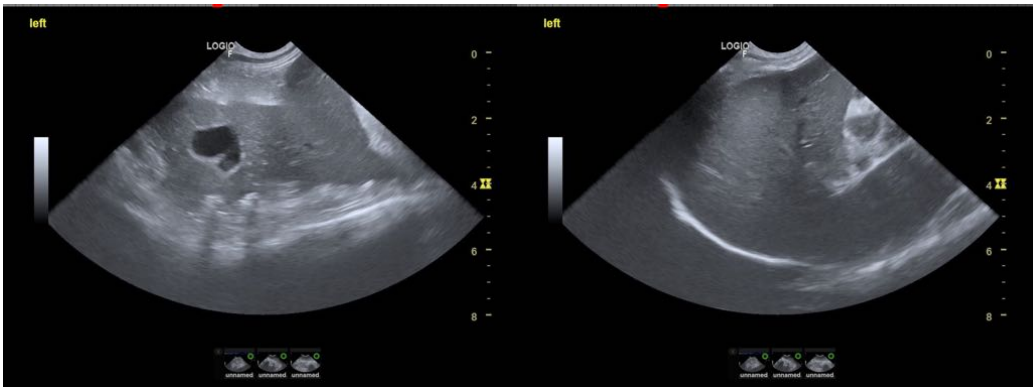
Multi-centric lymphoma pattern involving the spleen, liver, likely kidneys and lymph nodes.

Free fluid.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

FNA of the spleen, liver, lymph nodes and kidneys would all be valid intervention. Significant amount of inflammation was noted. Blood transfusion is recommended prior to sampling given the anemia. Bone marrow involvement is suspected given the patient's history.





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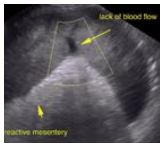
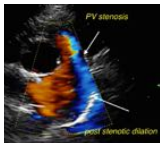
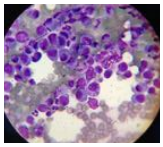
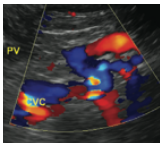

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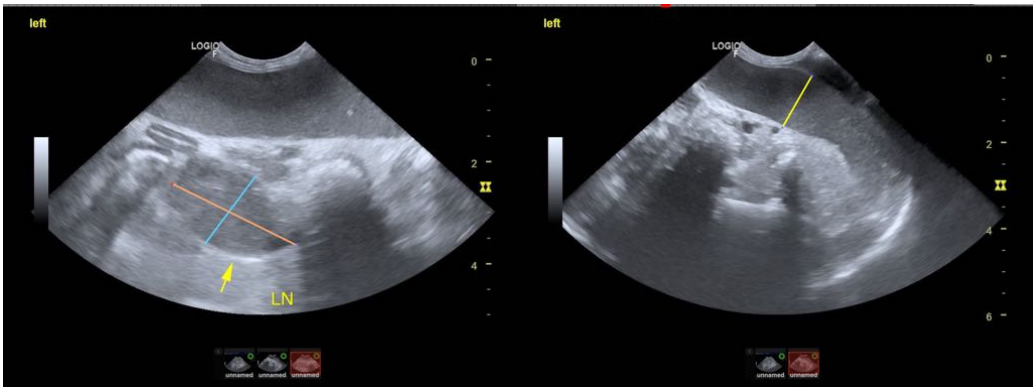

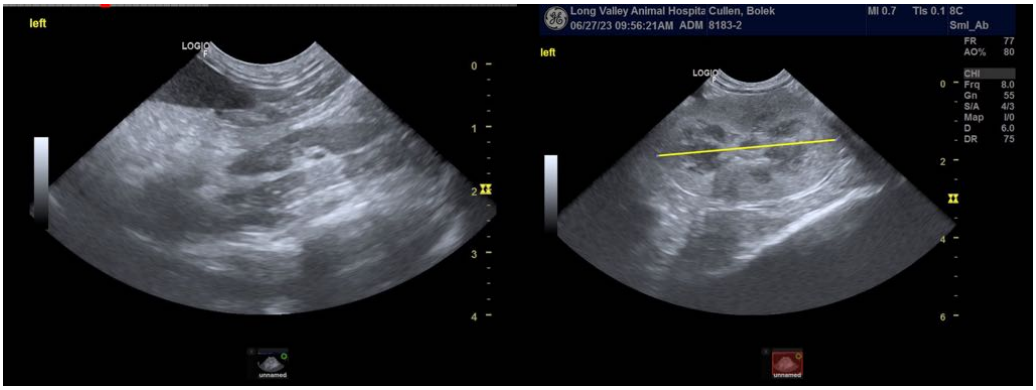

The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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