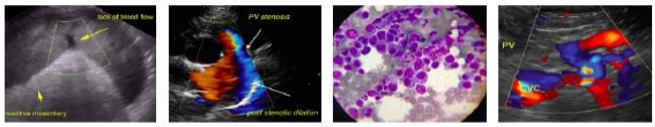


SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Mattie Sulosz

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

10 years

WEIGHT

54.7 #

INTERPRETED BY

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM

IMAGING PERFORMED BY

Amy Mayhew, LVT

HOSPITAL NAME

SVS Imaging CT

REFERRING VET

Bell Veterinary Clinic of Oxford

INVOICE

302851

DATE

3/30/22

PRESENTING CLINICAL SIGNS

History: Poor appetite, lethargy.

Physical Examination: Hepato-splenomegaly.

Urinalysis: N/A.

CBC: Thrombocytopenia, low MCV, low-normal hematocrit.

Serum Biochemistry: Azotemia, elevated phosphate, liver enzyme activity, proteins, and bilirubin. Negative leptospirosis.

Radiographic Findings: Abdominal mass.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Small urinary bladder with a normal thickness and appearance. Normal anechoic urine with no sediment or uroliths evident.

Thickened and irregular appearance of the trigone. Normal proximal urethra and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 6.6 cm, right 5.7 cm) with increased echogenic appearance, loss of cortico-medullary differentiation, and normal capsule and pelvis.

Reproductive System

N/A.

Adrenal Glands

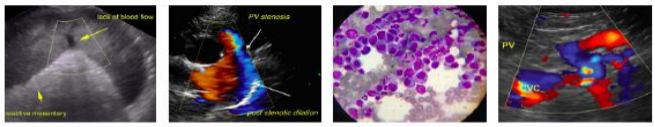
Normal shape, echogenic appearance, and position but plump in size. Left 0.72/0.92 cm, right 0.81 cm.

Spleen

Normal size and echogenic appearance. Small hypoechogenic parenchymal nodule in the body of the spleen. Large poorly vascularized mottled echogenic mass associated with the tail and distal body of the spleen.

Liver

Normal size, echogenic appearance, loss of portal markings. Large poorly vascularized mottled echogenic mass in the right liver lobe. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.



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Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness and peristaltic activity, and no distension of the lumen.

Pancreas

Enlarged with a diffuse hypoechogenic appearance and an irregular capsule. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

No mesenteric lymphadenomegaly.
Small amount of ascites.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Splenic mass.
- Hepatic mass.
- Urinary bladder mass.
- Renal disease.

Secondary Findings:

- Ascites.
- Plump adrenal glands.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

As the appearance of both the splenic and hepatic masses are similar, the most likely etiology would be metastatic neoplasia and most likely hemangiosarcoma.

The appearance of the bladder trigone is consistent with neoplasia (transitional cell carcinoma) with granulomatous disease a less likely differential diagnosis.

The appearance of the kidneys is typical for chronic kidney disease.

The ascites can be ascribed as secondary to the masses and most likely hemorrhage.

The plump adrenal glands are most likely from disease stress with emerging pituitary-dependent Cushing's disease, a differential diagnosis.

Further assessment would be 3-view thoracic radiographs, urinalysis, and echocardiography. Thoracic and abdominal CT scan can also be considered, especially if surgery is being contemplated.

Although splenectomy and liver lobectomy can be considered, the concurrent bladder pathology and renal disease will affect the prognosis.

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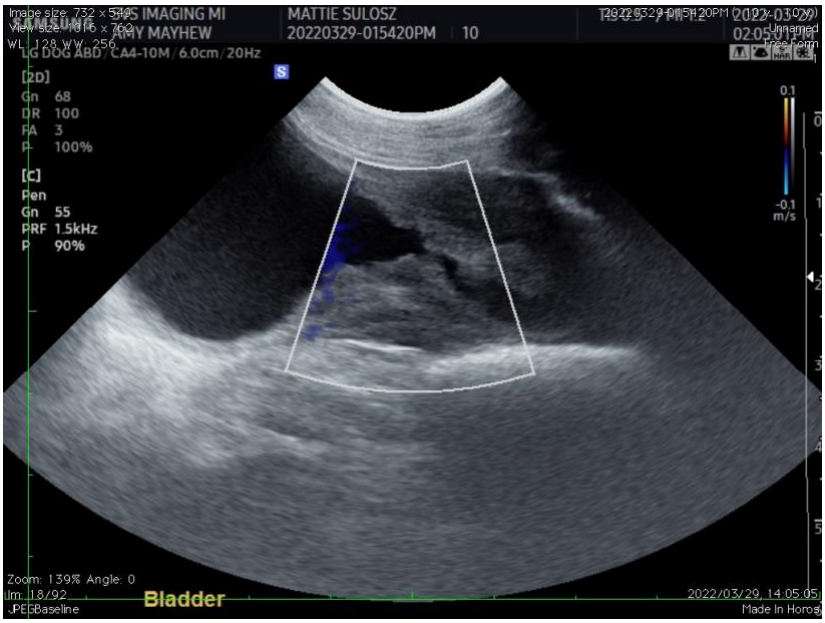
IMAGES

Urinary bladder



Liver

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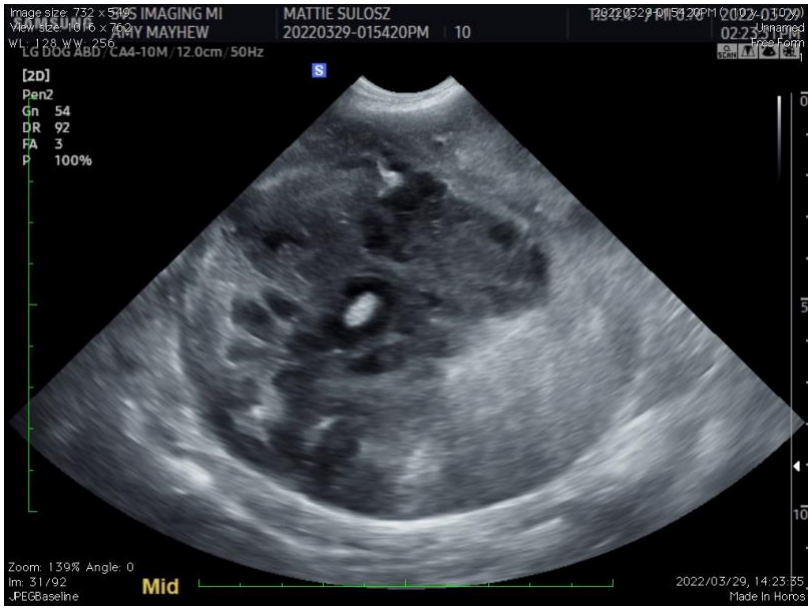
3/30/22

Spleen



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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za