



PATIENT

Corea Papathomas

SPECIES

Canine

BREED

Labrador Retriever

SEX

Spayed Female

AGE

13 Years

WEIGHT

62.4 Pounds

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Kelly Vazquez

HOSPITAL NAME

Animal Paradise
Hospital

REFERRING VET

Dr. ElShafie

INVOICE

36799

DATE

4/11/22

PRESENTING CLINICAL SIGNS

Splenic nodules, concern for hemangiosarcoma vs. pronounced hyperplasia, age-related renal and hepatic changes, mammary mass and subcutaneous perineal mass.

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** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 6.26 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. The left adrenal gland measured 2.18 cm x 0.84 cm at the cranial pole and 0.52 cm at the caudal pole (slightly swollen at the cranial pole). The right adrenal gland measured 2.44 cm x 0.87 cm at the caudal pole and 1.12 cm at the cranial pole.

Spleen

The **splenic** nodule measured 2.8 cm. Capsular expansion noted with mild disruption of architecture, similar to the prior sonogram. Other heterogeneous changes noted in the spleen and appear to be subjectively progressive from the prior sonogram.

Liver

The **liver** presented similar age related changes compared to the prior sonogram. Minor parenchymal remodeling noted.

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.

Other

Mammary gland mass measured 14 cm x 10 cm. Approximately 50% of the mass is cystic.



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Rapid view of the heart revealed no evident pathology.

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ULTRASONOGRAPHIC FINDINGS

SPECIES

- Progressive splenic nodular changes
- Age related abdominal changes otherwise
- Cystic mammary mass – likely carcinoma.

Canine

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

BREED

Mastectomy and splenectomy warranted after 3-view chest radiographs. The splenic nodule has progressed in size, as well as other nodular changes noted in the spleen. A neoplastic process is suspected.

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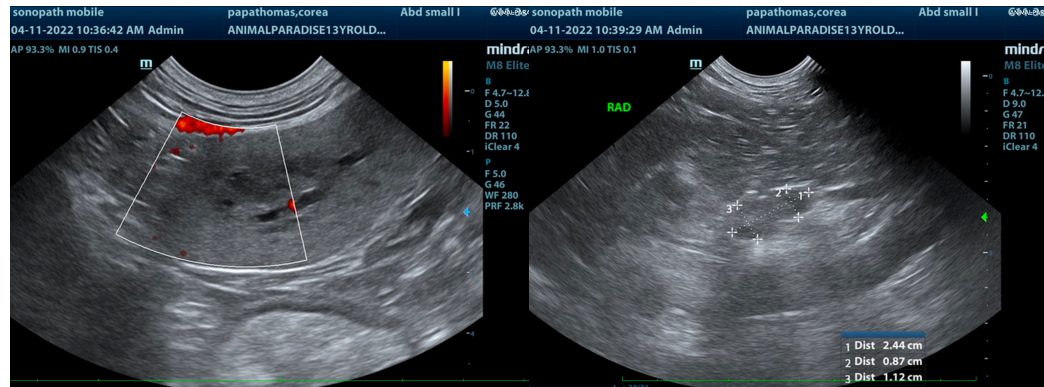
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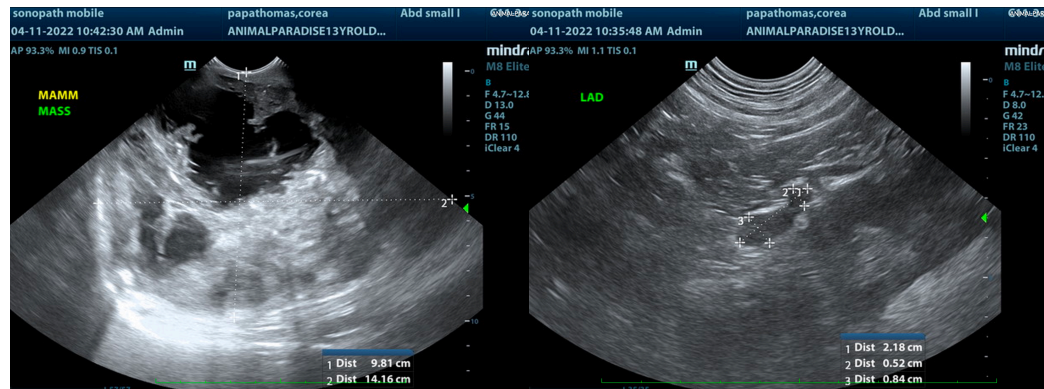
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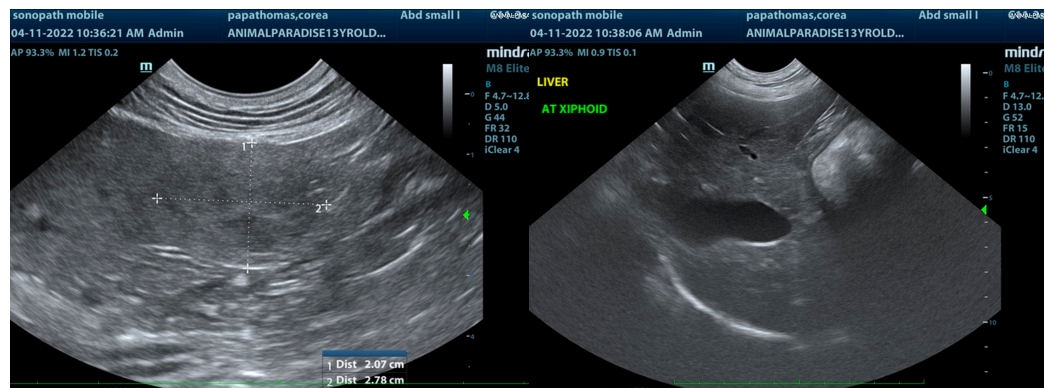


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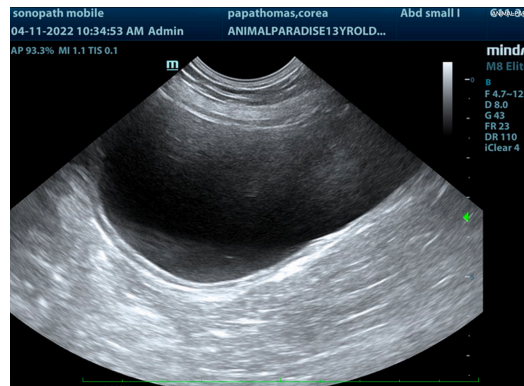
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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