



PATIENT

Sparky Bravo

PRESENTING CLINICAL SIGNS

Overweight pet

SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Blood work elevated ALP K Urine specific gravity-1.0 32

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Yorkie

The urinary bladder exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. No evidence of inflammatory or neoplastic changes were noted.

SEX

MN

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were uniform in texture with some increased echogenicity and mild loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 4.7 cm in length. The right kidney measured 5.0 cm in length.

AGE

9

The area of the aortic trifurcation was free of pathology.

Adrenal Glands

WEIGHT

20

The bilateral adrenal glands were overtly normal in size, position and shape. The left adrenal gland measured 0.47 cm width at the caudal pole and 0.51 cm width at the cranial pole. The right adrenal gland measured 0.59 cm width at the caudal pole and 0.91 cm width at the cranial pole. No overt adrenomegaly or adrenal neoplastic criteria.

Spleen

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP
(Canine and Feline)

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Multiple multifocal, well-defined, symmetrical, hyperechoic nodules were present throughout the medial parenchyma, an example measuring 0.3 cm in diameter. The capsule was smooth and regular without apparent expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory or neoplastic changes were not noted. The hyperechoic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

IMAGING PERFORMED BY

Dr. Sharkaway

Liver/Gallbladder

HOSPITAL NAME

Kew Gardens Animal
Hospital

The liver presented mild to moderately enlarged in size. The parenchyma of the liver was subjectively normal in echogenicity compared to the spleen and renal cortices. The liver parenchyma was uniform with a mildly coarse echotexture. The capsule of the liver was symmetrically rounded to mildly swollen in margination. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with primarily anechoic luminal content and inspissated yet non-organized variably hyperechoic debris in the caudal lumen of the gallbladder neck. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

REFERRING VET

Dr. Sharkaway

INVOICE

13610ag

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

DATE

04/26/2023

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.



PATIENT

Normal visible colon wall layers were present with apparent formed feces in lumen.

Sparky Bravo

Pancreas

SPECIES

The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

Canine

Free Abdomen

BREED

No omental masses, overt lymphadenopathy or peritoneal effusion was present. An increased amount of intra-abdominal fat was present.

Yorkie

ULTRASONOGRAPHIC FINDINGS

SEX

- Mild age related renal changes.
- Sonographically unremarkable bilateral adrenal glands.
- Benign hepatopathy-sonographically suggestive of vacuolar hepatopathy pattern.
- Mild inspissated gallbladder debris (non-mucocele).

MN

AGE

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

9

The bilateral adrenal gland appearance was not overtly consistent with adrenomegaly and was without evidence of neoplastic criteria. Primary adrenal disease is considered a less likely differential diagnosis given USG >1.020, normal bilateral adrenal glands and no reported clinical signs.

WEIGHT

An adrenal workup could be considered if clinical signs arise with inadequate urine concentration.

20

Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial.

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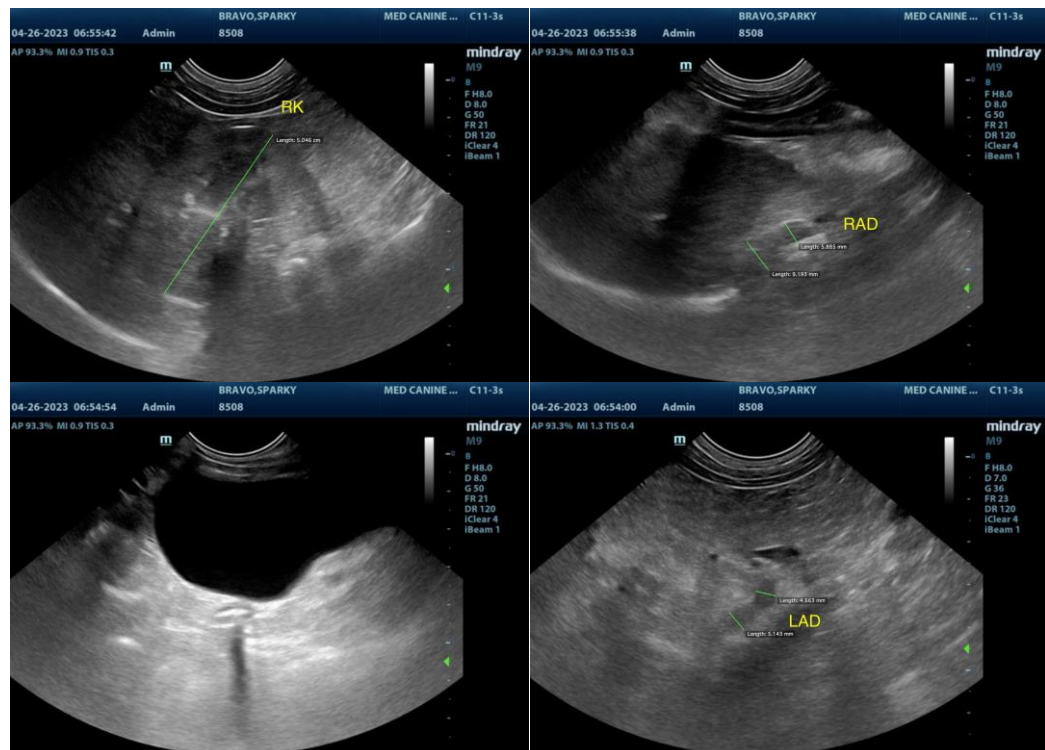
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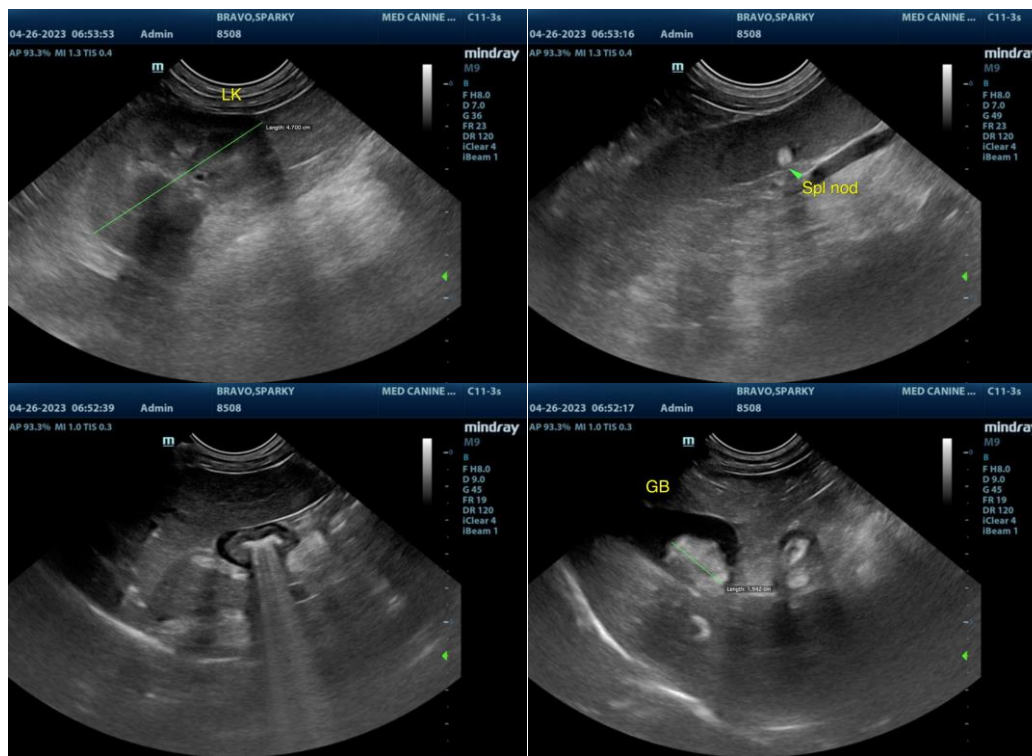
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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