



PATIENT PRESENTING CLINICAL SIGNS

Cookie Ramirez History: Labs showed some mild liver and gall bladder value changes as well as low end RBC/HCT levels - mild anemia. Radiographs showed some decreased abdominal detail in the reea of cranial abdomen and spleen is not well defined. Owner notes diarrhea.

SPECIES

Canine Abnormal PE/Chem/CBC/UA Results: Current Medications Metronidazole 250mg

BREED

Jack Russell Terrier

SEX

FI

AGE

14 yr

WEIGHT

18 lb

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

Normal size and margination was 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. Mild hydronephrosis was present in the left kidney. The left kidney measured 5.0 cm in length. The right kidney measured 4.9 cm in length.

The area of the aortic trifurcation was free of pathology.

INTERPRETED BY

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

No overt pathology in the area of the uterus or bilateral ovaries.

Adrenal Glands

The left adrenal gland exhibited an irregular nonhomogeneous mass measuring 4.7 cm x 3.0 cm. Mild increased left retroperitoneal echogenicity and mild retroperitoneal free fluid was present.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.63 cm width at the caudal pole and 2.6 cm length.

IMAGING PERFORMED BY

Sara Hansen

Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. 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, neoplastic, or benign parenchyma changes were not noted.

HOSPITAL NAME

The Ark Veterinary
Clinic

REFERRING VET

Dr. Georges

Liver

The liver exhibited mild generalized enlargement with multiple variably sized mildly expansive hypoechoic macronodules to small masses an example measuring 3.0 cm in diameter. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

INVOICE

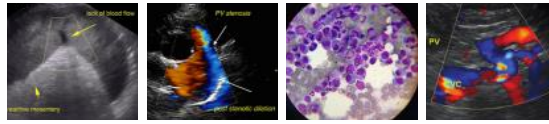
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DATE

06/24/2022

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.



PATIENT

Cookie Ramirez

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.

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

SPECIES

Canine

Pancreas

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.

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Free Abdomen

SEX

No overt lymphadenopathy or omental masses.

FI

ULTRASONOGRAPHIC FINDINGS

AGE

14 yr

- Left adrenal mass with secondary associated left retroperitoneal free fluid
- Multifocal hepatic intraparenchymal macronodules/masses
- Bilateral chronic renal changes with mild left kidney hydronephrosis

WEIGHT

18 lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Unfortunately the findings of the left adrenal mass and multiple hepatic macronodules is consistent with multicentric neoplastic disease. Suspect primary left adrenal neoplasia i.e. pheochromocytoma, adenocarcinoma or other with multicentric hepatic metastasis. This case does not appear to be surgical. An unfavorable prognosis is indicated.

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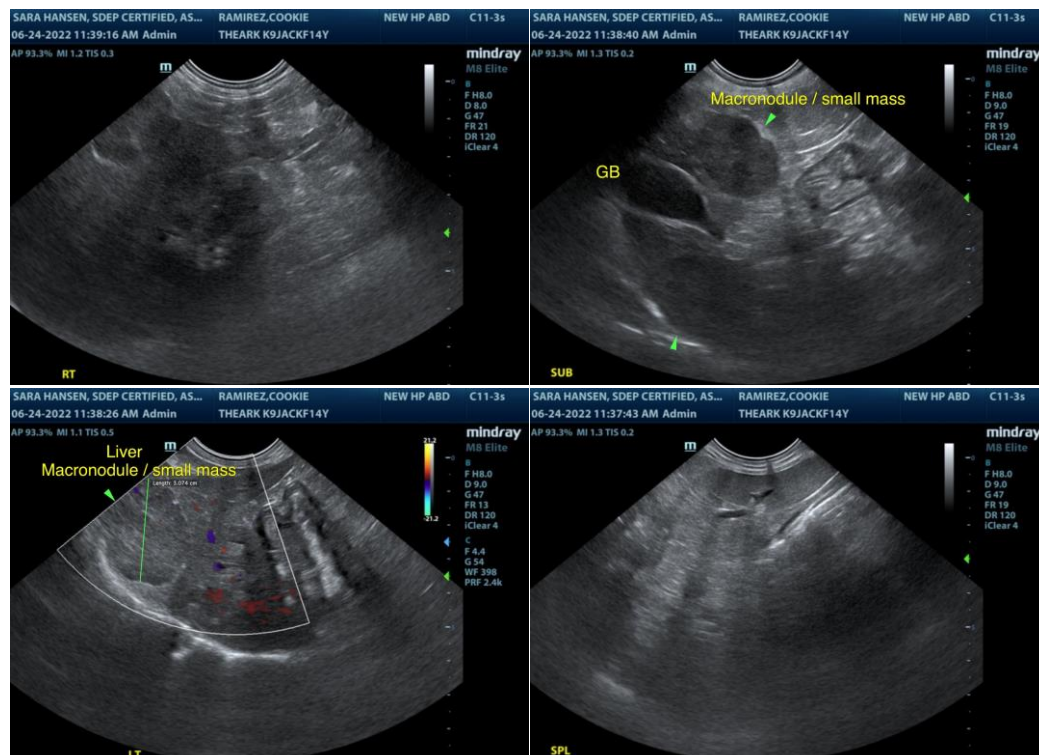
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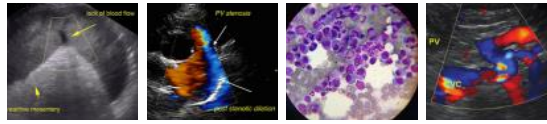
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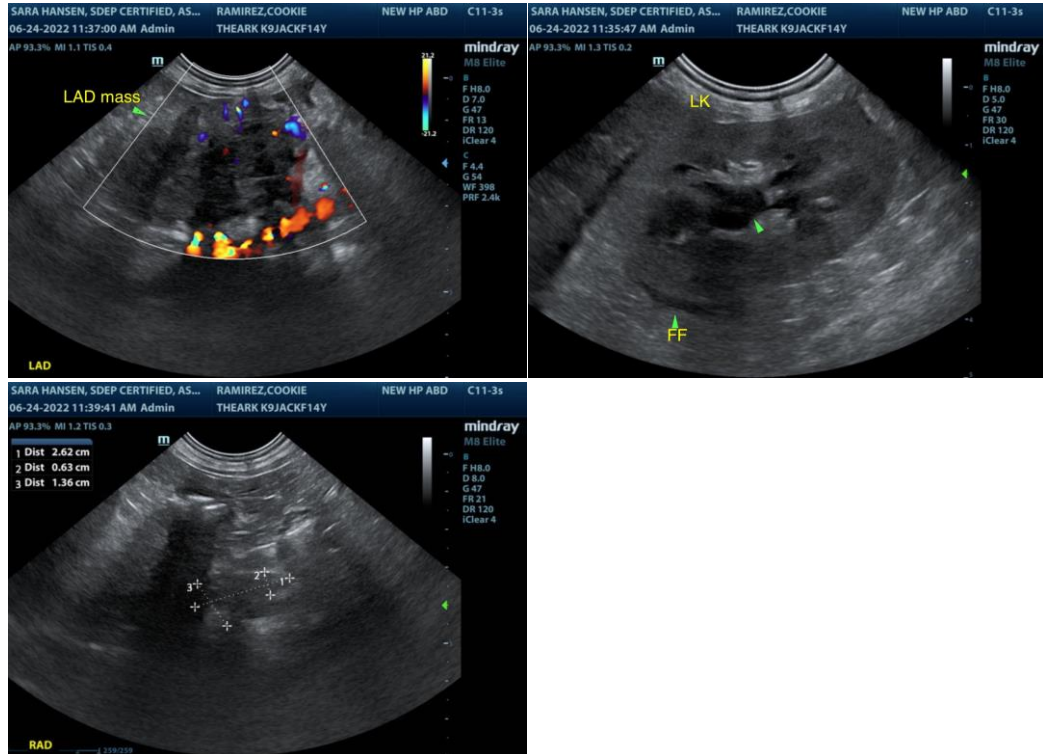
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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