



PATIENT PRESENTING CLINICAL SIGNS

Coco Marin History: ~3 week history of hives/facial swelling controlled by steroid and diphenhydramine therapy. Concern for visceral MCT. Patient is moderately fearful/aggressive, will be on gabapentin/acepromazine/melatonin - O has authorized further sedation as needed. Current Medications Diphenhydramine (variable dose); Prednisone (tapering) Primary Question/Differential to Be Answered in This Exam Any gross mass lesions consistent w/possible MCT in viscera?

BREED Abnormal PE/Chem/CBC/UA Results:

Labrador X **ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

SEX *Urinary System*

Spayed female The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Primarily anechoic urine was present in the lumen. Mild nondependent echogenic to particulate sediment was present without evidence of calculus formation. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic mural changes were noted.

AGE

11 years

WEIGHT

86 pounds

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 mildly 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 7.1 cm in length. The right kidney measured 7.7 cm in length.

INTERPRETED BY

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

The area of the aortic trifurcation is free of pathology and without evidence of sub lumbar or medial iliac lymphadenopathy.

Adrenal Glands

IMAGING PERFORMED BY

Jenna Walsh CVT

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.37 cm width at the caudal pole and 3.0 cm in length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.52 cm width at the caudal pole and 2.3 cm in length.

Spleen

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VCA Delta Oaks
Animal Hospital

The spleen exhibited normal size and contour with generalized mild parenchymal heterogeneity without evidence of splenic nodules or masses. 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.

REFERRING VET

Dr. Samuel

Liver

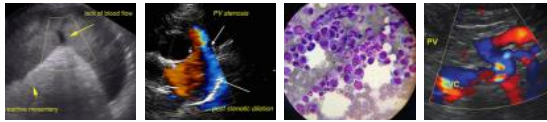
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The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild coarse echotexture. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

DATE

03/04/2022



PATIENT *Gastrointestinal*

Coco Marin The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate echogenic ingesta exhibiting mild progressive distal acoustic shadowing without signs of obstruction or foreign material.

SPECIES

Canine 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.

BREED

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

SEX

Spayed female 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.

AGE

11 years No overt lymphadenopathy or peritoneal effusion was present.

WEIGHT

86 pounds

ULTRASONOGRAPHIC FINDINGS

- Age related kidneys.
- Mild particulate urinary bladder sediment.
- Normal splenic size and contour exhibiting mild parenchymal heterogeneity.
- Mild gastric ingesta-likely post prandial presentation.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, no overt evidence of significant abdominal visceral pathology including no evidence of intra-abdominal neoplastic criteria.

The urinary bladder sediment may suggest cellular / crystalline debris or mucus. Cystocentesis for UA +/- C/S if evidence of inflammatory cells is recommended.

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The splenic parenchyma heterogeneity is nonspecific and indicative of age-related changes, hematopoiesis or other benign etiologies. Overt evidence of splenic neoplastic criteria is considered unlikely however, given the patient's history and assuming normal clotting status, an ultrasound guided FNA of the spleen using a 25g needle for screening cytology to insure only benign changes are present would be warranted. Sonographic monitoring of the spleen with initial recheck in 3-4 weeks would be a more conservative approach.

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PATIENT

Coco Marin

SPECIES

Canine

BREED

Labrador X

SEX

Spayed female

AGE

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WEIGHT

86 pounds

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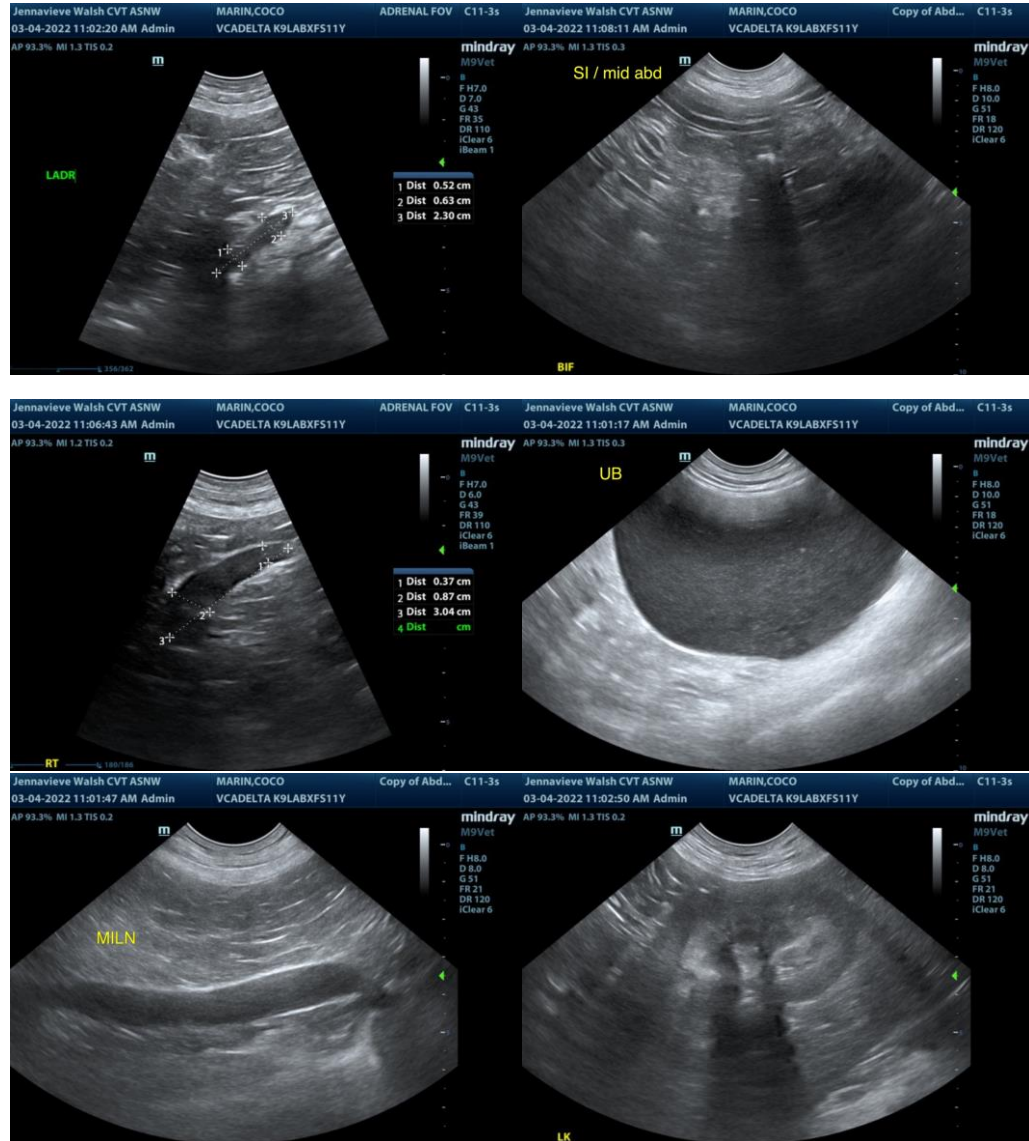
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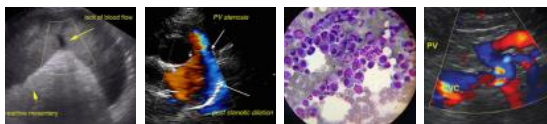
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PATIENT

Coco Marin

SPECIES

Canine

BREED

Labrador X

SEX

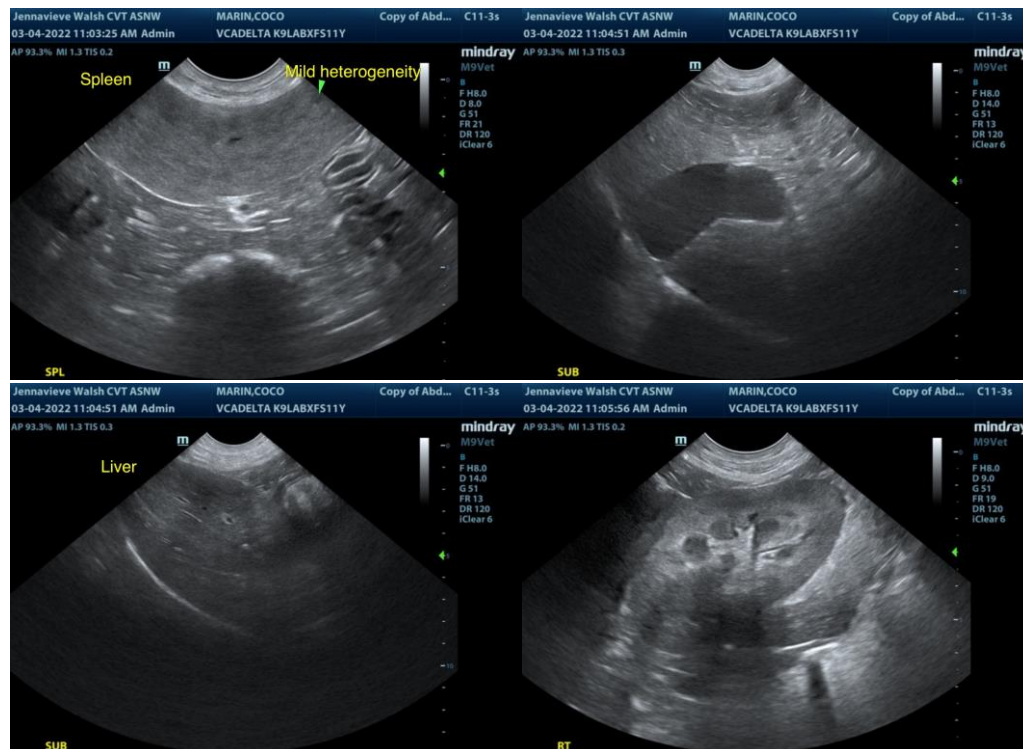
Spayed female

AGE

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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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