



PATIENT

Milo Cruz

SPECIES

Canine

BREED

Golden Retriever

SEX

Male

AGE

9 Years 11 Months

WEIGHT

65 pounds

INTERPRETED BY

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

IMAGING PERFORMED BY

Kerri Becker

HOSPITAL NAME

North Jersey Animal
Hospital

REFERRING VET

Dr. Chiu

INVOICE

15117

DATE

04/14/26

PRESENTING CLINICAL SIGNS

Mild anemia, wt loss, leukocytosis, decr. alb, enlarged PLN

Abnormal PE/Chem/CBC/UA Results: HCT-36.3 wbc-24.3 neut-11.32 bands-0.462 lym-10.619 mono-0.998 alb-2.4 glob-6.4 sdma-16 cystatin-2,435 UA WBC-75-100 usg-1.036

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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 change were noted.

The prostate was mildly enlarged in size with intact, symmetrical capsule contour. The margins of the gland were intact and able to be differentiated from the surrounding tissue. The prostatic parenchyma was mildly echogenic to heteroechoic without parenchymal mineralization. The prostate measured 2.8 cm in diameter.

The area of the aortic trifurcation was free of pathology.

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. The left kidney measured 6.8 cm in length. The right kidney measured 7.1 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.56 cm width at the caudal pole.

The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.61 cm width at the caudal pole.

Spleen

A moderately sized to expansive nonhomogenous solid mass involving the spleen was present with an indistinctly nodular parenchyma and measured approximately 8.0 cm in diameter. The non-affected spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Concurrent splenic nodule was present. The splenic nodule appeared separate at the mid spleen location and measured 1.4 cm in diameter.

Liver & Gallbladder

The liver presented subjective mildly 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.



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The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

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Gastrointestinal

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The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained echogenic, mild nonshadowing ingesta consistent with food echogenicity and without signs of obstruction or foreign material.

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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.

Golden Retriever

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

SEX

Pancreas

Male

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

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No visualized significant or swollen mesenteric lymphadenopathy or peritoneal effusion was present.

65 pounds

Rapid view of the heart revealed mild nonhomogenous mass in the area of the right atrium/auricle. The mass measured approximately 4.0 cm x 2.5 cm.

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ULTRASONOGRAPHIC FINDINGS

R. McKenzie Daniel,
DVM, DABVP (Canine
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Primary Findings

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- Splenic mass with concurrent mid splenic nodule.
- Noncongested mild hepatomegaly.
- Heart base mass in the area of the right atrium/auricle.
- Sonographically unremarkable visualized gastrointestinal tract with mild nonshadowing gastric ingesta.

Kerri Becker

Secondary Findings

- Age-related renal changes.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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Unfortunately, multicentric splenic and cardiac neoplastic to metastatic criteria is met. Potential hepatic involvement is not excluded. Multicentric round cell neoplasia, sarcoma or other is possible.

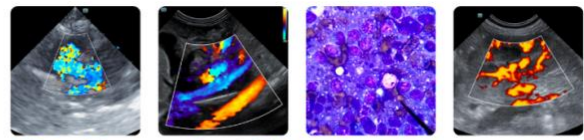
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Assuming normal clotting status and using a 25-gauge needle, splenic mass and peripheral lymph node FNA cytology is recommended for further clarification, staging, and oncology consult.

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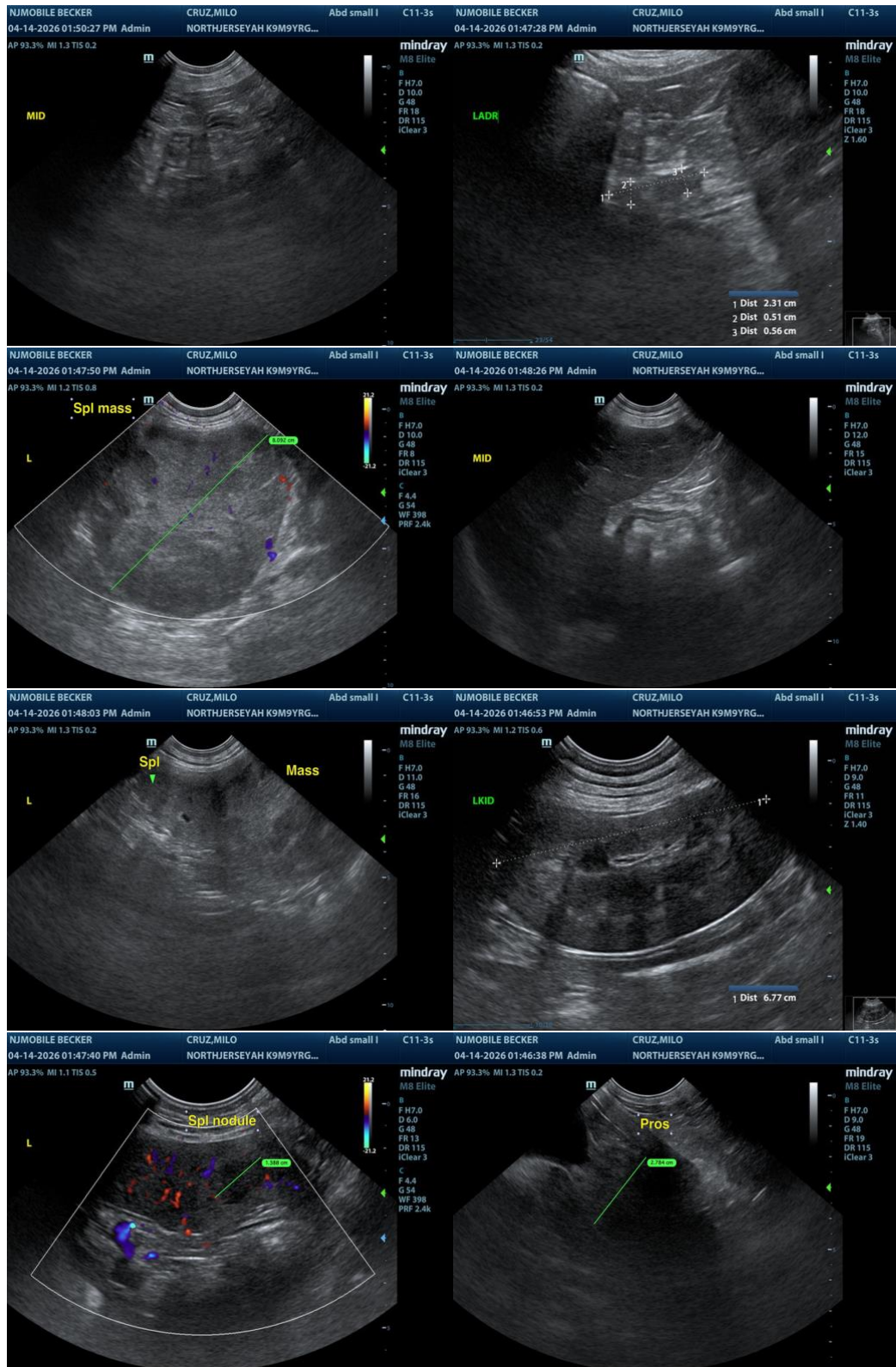
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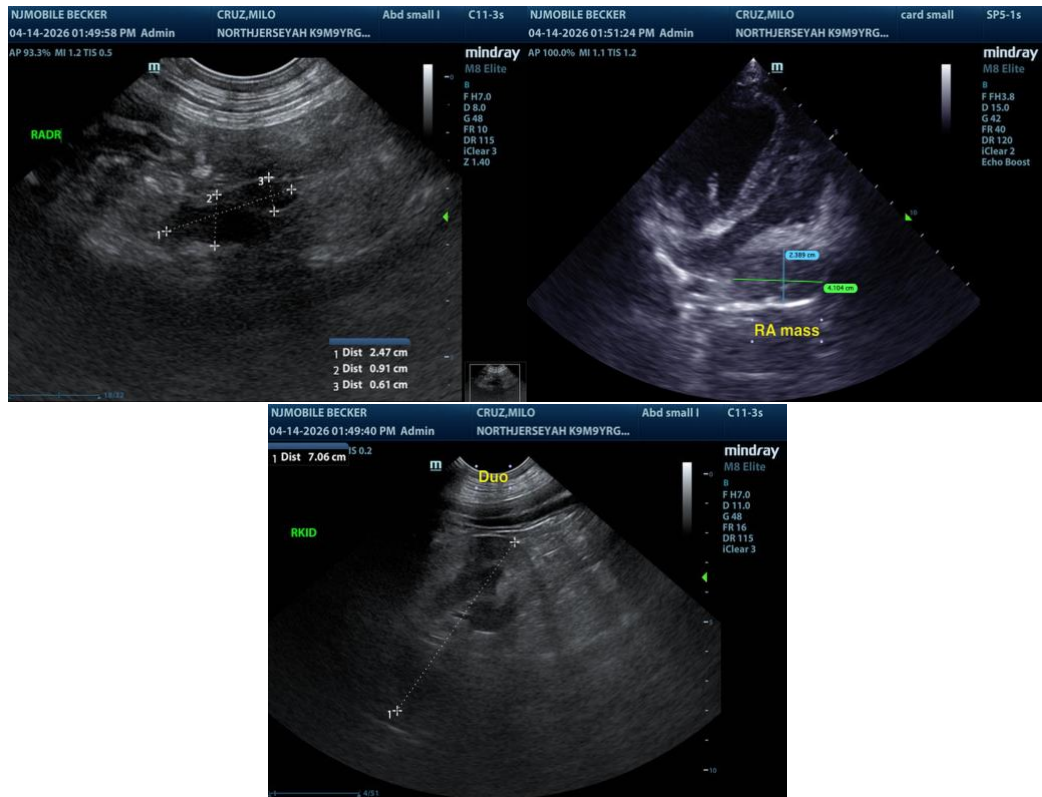
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

info@SonoPath.com