



PATIENT

Oreo Macias

PRESENTING CLINICAL SIGNS

History: Anal mass-suspect neoplasia Hypothyroidism Elevated liver enzymes

SPECIES

Canine

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 pinpoint to focal areas of dependent to nondependent mineral. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

BREED

Cocker Spaniel

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. Bilateral areas of pinpoint medullary mineral were present. The left kidney measured 5.7 cm in length. The right kidney measured 6.7 cm in length.

SEX

MN

AGE

12yr

The area of the aortic trifurcation was free of pathology.

The area of the residual prostate was free of pathology.

Adrenal Glands

WEIGHT

40.8lb

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.77 cm width. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.58 cm width.

INTERPRETED BY

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

Spleen

The spleen exhibited primarily finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. Multifocal, well-defined, symmetrical, echogenic nodules were present throughout the medial parenchymal and adjacent to the hilus. 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 echogenic nodules tend to trend benign and are most consistent with benign hyperplasia or myelolipomas.

IMAGING PERFORMED BY

Eliana Petrone

Liver

The liver exhibited diffuse severe nonuniform to nodular parenchyma. The nodules were primarily hypoechoic to mixed echogenic. An example of a nodule measured 1.8 cm in diameter. 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.

HOSPITAL NAME

Long Branch Animal
Hospital

REFERRING VET

Eliana Petrone

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.

INVOICE

11128ag

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.

DATE

07/12/2022

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



PATIENT

Pancreas

Oreo Macias

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.

SPECIES

Canine

Free Abdomen

No omental masses. overt lymphadenopathy or peritoneal effusion was present.

BREED

Cocker Spaniel

ULTRASONOGRAPHIC FINDINGS

SEX

MN

- Diffuse severe nonuniform to nodular liver
- Sonographically unremarkable gallbladder
- Bilateral mild age-related kidneys with medullary mineral
- Mild pinpoint to focal urinary bladder mineral
- Benign splenic nodules-consistent with benign myelolipomas

AGE

12yr

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

40.8lb

The hepatic presentation revealed diffuse severe nodular parenchyma with potential considerations including chronic active hepatitis, hepatocutaneous syndrome or primary vs metastatic neoplasia as primary differential diagnoses. Primary concern for metastatic liver disease is warranted given the presence of suspected neoplastic anal mass.

Assuming normal clotting status an ultrasound guided FNA of the liver using a 25g needle is warranted for screening cytology and potential oncology consult.

A very guarded to potentially poor long-term prognosis. Three view chest radiographs are suggested if not done.

INTERPRETED BY

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

IMAGING PERFORMED BY

Eliana Petrone

HOSPITAL NAME

Long Branch Animal Hospital

REFERRING VET

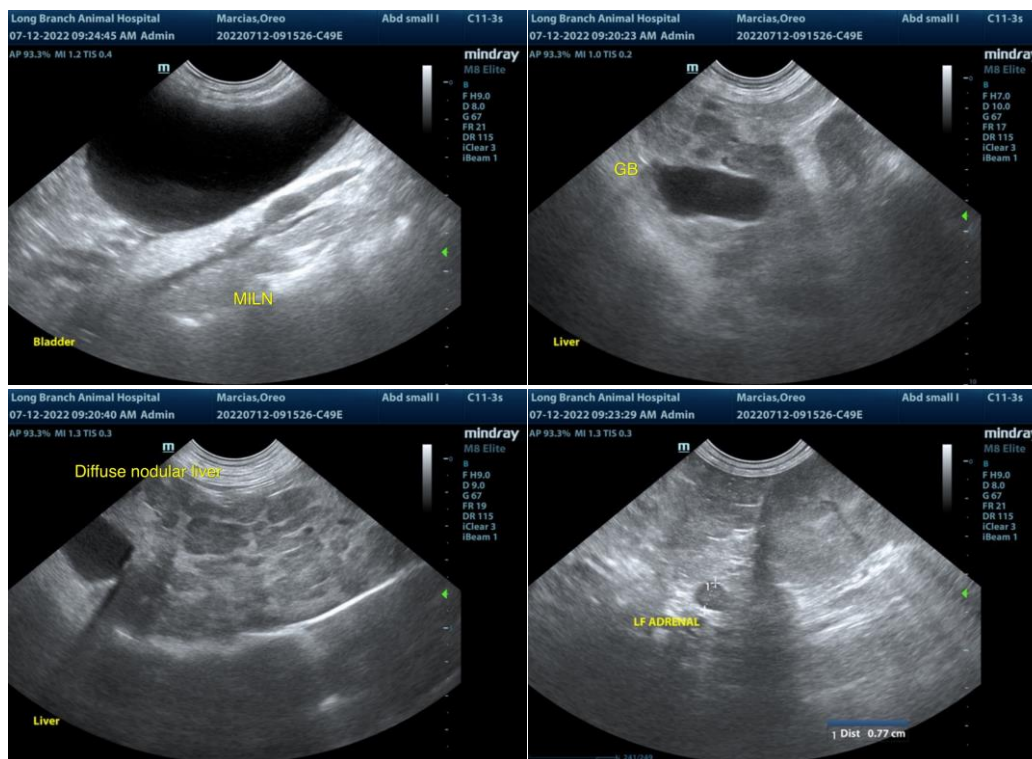
Eliana Petrone

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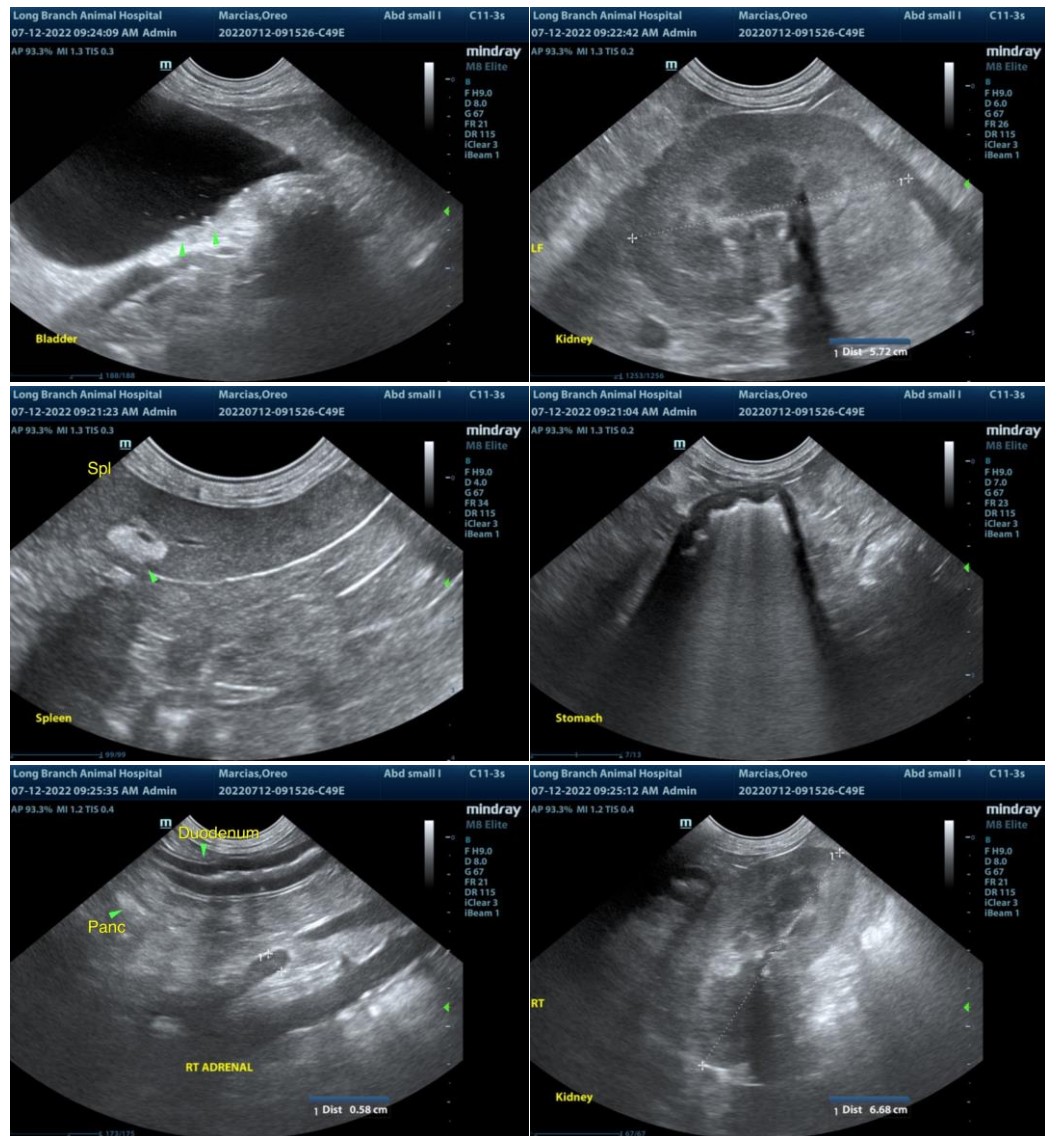
Eliana Petrone

INVOICE

11128ag

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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