



PATIENT	PRESENTING CLINICAL SIGNS
Dana Martorelli	emerging anemia, Hx of hepatomas Hx of PLN , prev u/s 3/6 hepatoma type masses subjectively benign or low grade Current meds Telmisartan Clopidogrel
SPECIES	Abnormal PE/Chem/CBC/UA Results: HCT 25.6% BUN 45 Creat 2.1 Phos 7.4 ALP >2000 GGT 74
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Maltese Mix	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 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.
SEX	
FS	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. A small right kidney cortical cyst was present. Minor medullary mineral was present in the area of the lateral diverticuli. The left kidney measured 4.1 cm in length. The right kidney measured 4.8 cm in length.
AGE	
13	The area of the aortic trifurcation was free of pathology.
WEIGHT	Adrenal Glands
8.7	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.70 cm width at the caudal pole and 1.9 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.51 cm width at the caudal pole and 1.5 cm length.
INTERPRETED BY	Spleen
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	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.
IMAGING PERFORMED BY	Liver/Gallbladder
Jenn	The liver exhibited moderate enlargement. The previously noted homogenous mildly hypoechoic intraparenchymal masses were present as an example measuring 5.0 cm in diameter. A moderately sized spherical non-homogenous centrally cavitated mass was present in the caudal liver extending into the area of the gastric axis measuring ~ 4.5 cm x 4.5 cm. 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 with mild non-organized hyperechoic debris. Potential for mild caudal gallbladder displacement owing to hepatic swelling possible. The cystic and common bile ducts were normal.
HOSPITAL NAME	Gastrointestinal
Rockaway Animal Hospital	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. Potential for hepatic mass impingement upon the stomach.
REFERRING VET	
Dr. Gannon	
INVOICE	
13409ag	
DATE	
04/05/2023	



PATIENT

Dana Martorelli

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.

BREED

Maltese Mix

Free Abdomen

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

SEX

FS

Rapid view of the heart revealed no evidence of pericardial masses or effusion in the visible window.

AGE

13

ULTRASONOGRAPHIC FINDINGS

- Hepatomegaly exhibiting previously noted hepatoma like intraparenchymal masses.
- Moderately sized non-homogenous centrally cystic to cavitated caudal liver mass.
- Gallbladder debris (non-mucocele), possible caudal gallbladder displacement secondary to hepatic mass/hepatomegaly.
- Mild chronic renal changes with mild medullary mineral.

WEIGHT

8.7

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status and using a 25g needle, a hepatic parenchyma and caudal hepatic mass FNA for screening cytology is warranted for further assessment. Hepatosupportive medications such as Denamarin and Ursodiol may prove beneficial.

Recheck UPC level if not recently done with possible addition of renal diet if continued elevated UPC/proteinuria may be considered.

A CBC pathology review is warranted.

INTERPRETED BY

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

IMAGING PERFORMED BY

Jenn

HOSPITAL NAME

Rockaway Animal
Hospital

REFERRING VET

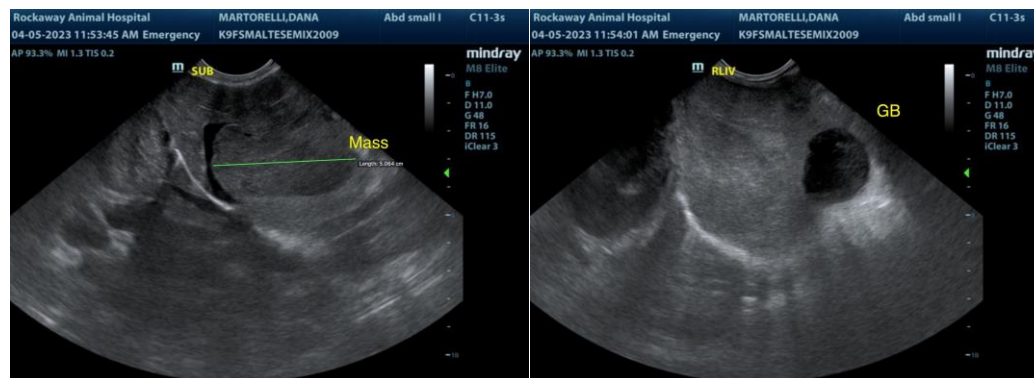
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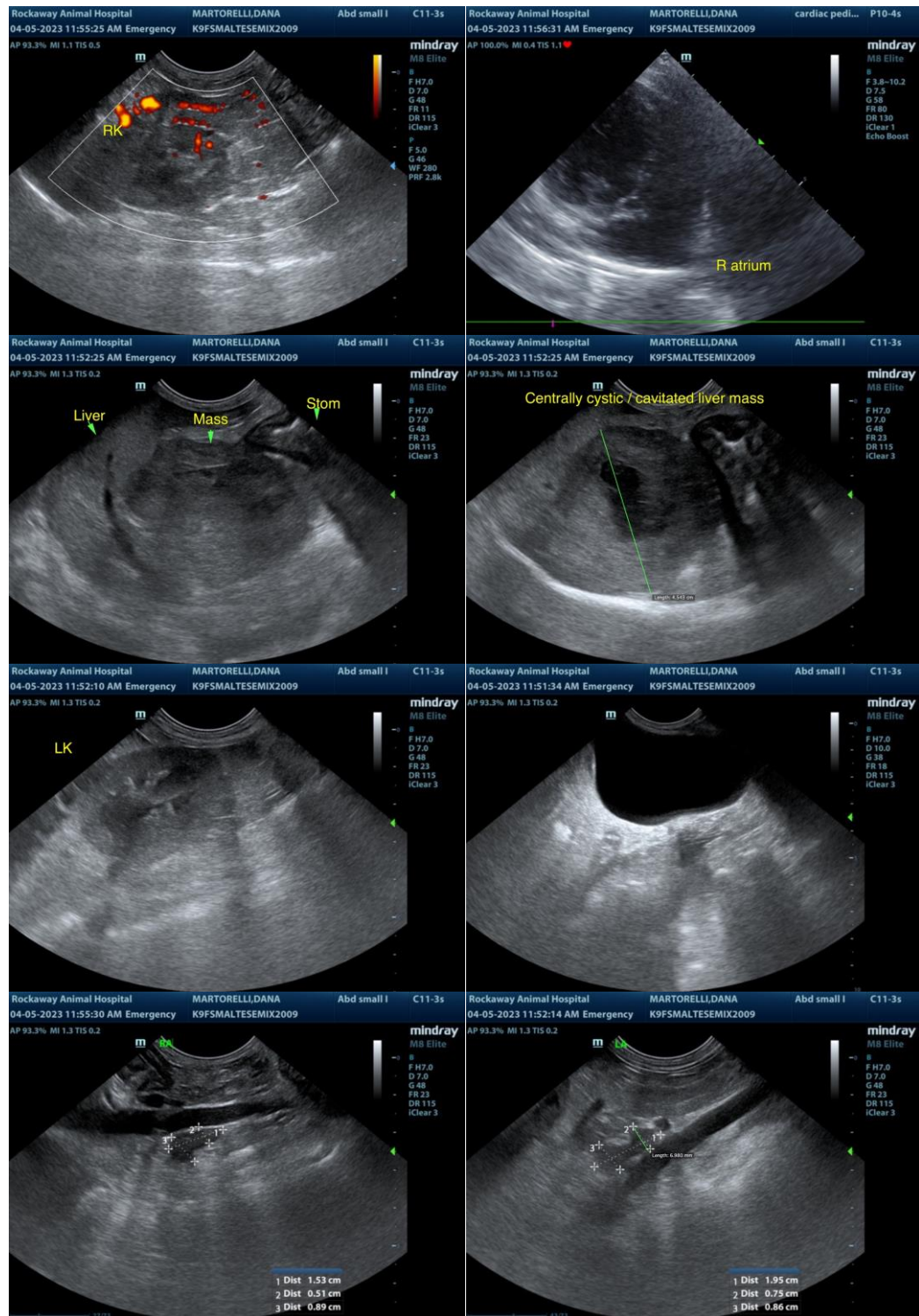
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I



PATIENT

can be of any further assistance, please contact me.

Dana Martorelli

SPECIES

R. McKenzie Daniel, DVM, DABVP (Canine/Feline Practice)
mac.daniel@sonopath.com

Canine

BREED

Maltese Mix

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FS

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