



PATIENT	PRESENTING CLINICAL SIGNS
Pom Pom NJSH Rescue	-elevated hepatic enzymes GGT ALP ALT much higher than 3 weeks prior
SPECIES	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Canine	Urinary System
BREED	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths, sediment, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.
Pomeranian	No evidence of pathology was noted in the areas of the residual prostate or aortic trifurcation.
SEX	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. The left kidney measured 3.6 cm in length. The right kidney measured 4.0 cm in length.
MN	Adrenal Glands
AGE	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 1.6 cm length x 0.55 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 1.5 cm length x 0.40 cm width at the caudal pole.
10	Spleen
WEIGHT	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.
16	Liver/ Gallbladder
INTERPRETED BY	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 mild, nondependent mildly congealed, echogenic gallbladder debris. The cystic and common bile ducts were normal.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Gastrointestinal
IMAGING PERFORMED BY	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.
Jenn	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.
HOSPITAL NAME	Normal visible colon wall layers were present with apparent formed feces in lumen.
Rockaway AH	
REFERRING VET	
Dr. Maniar	
INVOICE	
12450	
DATE	
10/26/21	



PATIENT

Pom Pom NJSH

Rescue

SPECIES

Canine

BREED

Pomeranian

SEX

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16

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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 were evident.

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

ULTRASONOGRAPHIC FINDINGS

Primary Findings

- Hepatopathy - subjectively benign, vacuolar hepatopathy, nonspecific hepatitis (viral, bacterial, Leptospirosis, toxin), with some degree of nonobstructive cholestasis suspected
- Mild gallbladder debris (non-mucocele)

Secondary Findings

- Mild age-related renal changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of hepatic neoplasia which is considered a less likely differential diagnosis. Further assessment may include Leptospirosis titer / PCR and screening hepatic FNA, assuming normal clotting status. Hepatic core or surgical biopsy may be required for a definitive diagnosis. No evidence of a portosystemic shunt was noted. Empirically, hepatosupportive medications including Denamarin, Ursodiol, Vitamin E, or Milk Thistle may prove beneficial.





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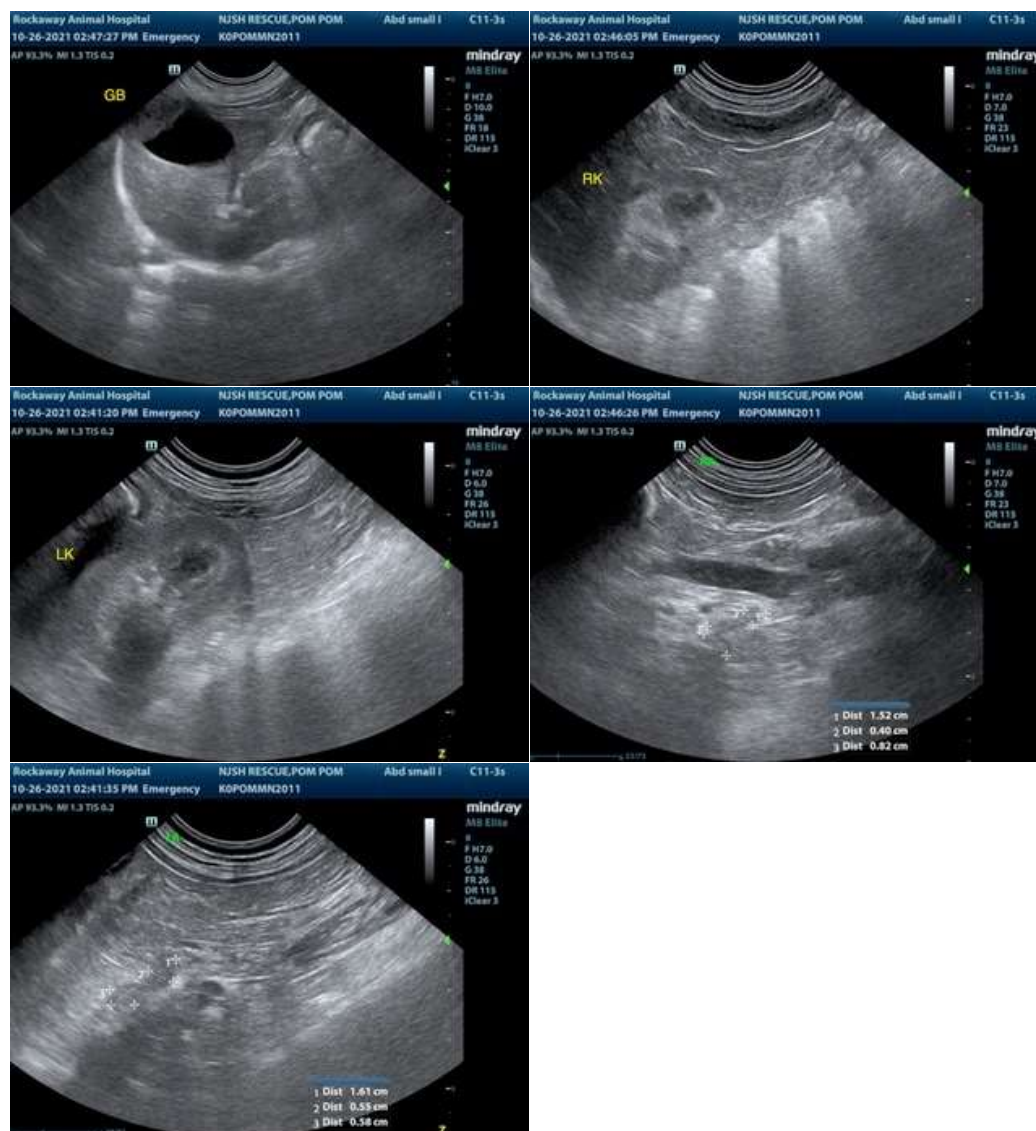
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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info@SonoPath.com