



PATIENT	PRESENTING CLINICAL SIGNS
Jaxx Caruso	Lethargic, abdominal pain. Current Meds: Clavamox, Metronidazole, Denamarin.
SPECIES	Abnormal PE/Chem/CBC/UA Results: ALT 1173; ALP 759; BUN 42.6; HCT 30.4. USG 1.025; CPL normal.
Canine	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
BREED	Urinary System
Lab Mix	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 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	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 7.0 cm in length. The right kidney measured 6.2 cm in length.
MN	The area of the iliac trifurcation was free of pathology including no evidence of medial, iliac or sublumbar lymphadenopathy or masses.
AGE	The area of the residual prostate appeared normal and free of pathology measuring 1.6 cm in diameter.
12yr	Adrenal Glands
WEIGHT	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.67 cm width at the caudal pole and 3.2 cm length. 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 and 2.6 cm length.
NA	Spleen
INTERPRETED BY	The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. No masses or nodules. 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.
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	Liver/Gallbladder
IMAGING PERFORMED BY	The liver exhibited generalized enlargement and asymmetrical contour owing to a moderately sized to expansive irregular to non-homogenous mass present in the caudal liver measuring ~ 9-10 cm in diameter. Concurrent separate mildly expansive non-homogenous intraparenchymal nodules were present, an example measured 4.0 cm in diameter. Normal vascular volume. 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.
Shari Reffi CVT	Gastrointestinal
HOSPITAL NAME	
Newton Vet	
REFERRING VET	
Dr. Harris	
INVOICE	
14599ag	
DATE	
08/14/2023	



PATIENT

Jaxx Caruso

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with mild luminal gas and no signs of ileus, obstruction or foreign material.

SPECIES

Canine

The intestinal walls demonstrated intact wall layering and maintained 1:3 muscularis / mucosa ratio. The mucosa exhibited mild decreased echogenicity with occasional mucosal speckling. A mild segmental non-obstructive jejunal ileus pattern consisting of mild fluid accumulation in the intestinal lumen was present to the level of the colon without obstruction or foreign material.

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

BREED

Lab Mix

Pancreas

The pancreas was normal in size and contour with isoechoic to heterogeneous parenchyma compared to adjacent omentum. No signs of active inflammation or neoplasia.

SEX

Free Abdomen

MN

No overt lymphadenopathy was present.

AGE

12yr

Pockets of mild volume mildly echogenic peritoneal effusion were present. Perihepatic to mild generalized increased omental echogenicity was present.

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

ULTRASONOGRAPHIC FINDINGS

WEIGHT

NA

- Hepatomegaly with a moderately sized non-homogenous caudal mass and concurrent separate non-homogenous intraparenchymal nodules.
- Unremarkable gallbladder/spleen.
- Mild gastroenteritis pattern.
- Perihepatic mild hyperechoic omentum and mild volume peritoneal effusion.

INTERPRETED BY

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

IMAGING PERFORMED BY

Shari Reffi CVT

The hepatic mass is most suggestive of neoplastic criteria i.e., carcinoma or other. Potential for intrahepatic metastasis is a concern with benign etiologies such as hematopoiesis, hyperplasia, necrosis, granuloma possible yet thought less likely.

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Assuming normal clotting status and using a 25g needle, a hepatic mass FNA for screening cytology is warranted for further assessment. Effusion analysis cytology +/- C/S if evidence of inflammatory cells and potential associated peritonitis may be considered.

An unfavorable long term prognosis is suspected.

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Lab Mix

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AGE

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WEIGHT

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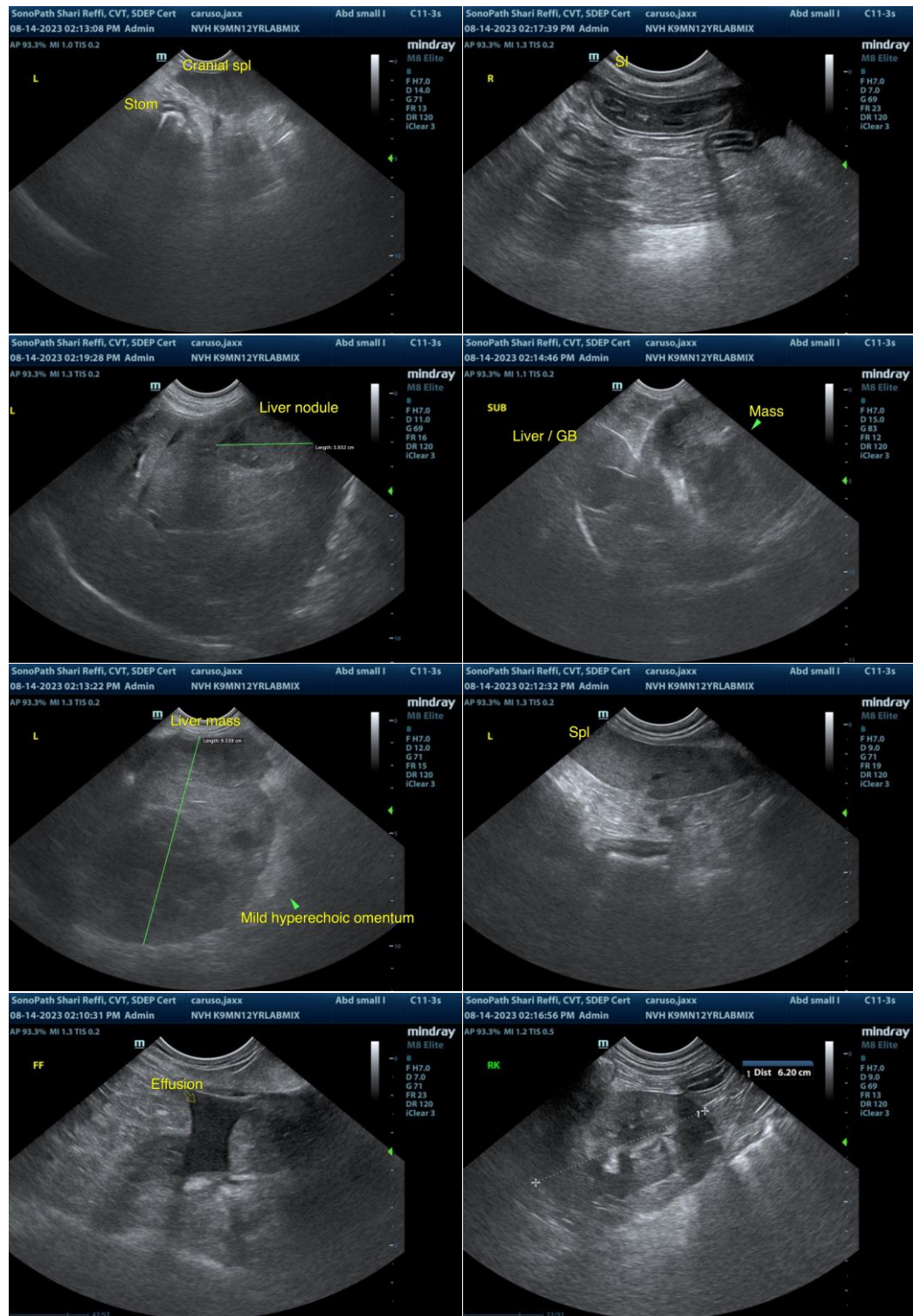
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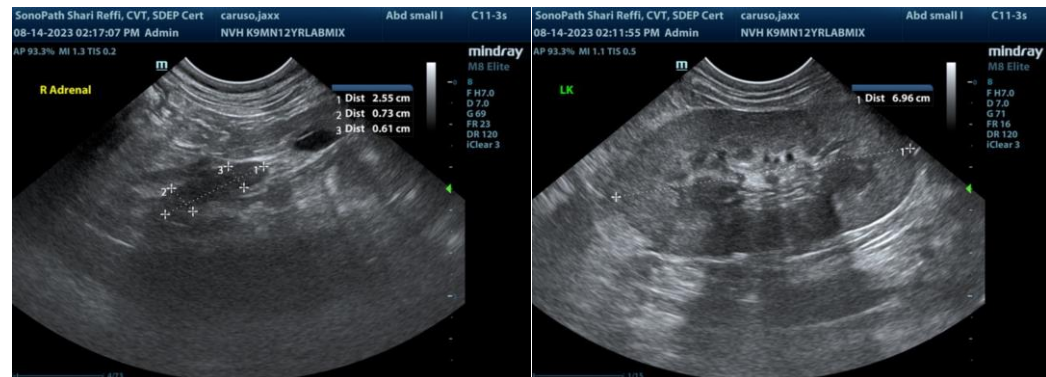
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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