



PATIENT PRESENTING CLINICAL SIGNS

Frank Steinmetz History: 3/6 murmur . Echo to stage bilateral acl repair SX -- stifles. Abdominal for increase in liver enzymes Current Medications Galliprant

SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Canine

Urinary System

BREED

Cocker Spaniel

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 4 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

MN

AGE

12yr

Normal size and margination was present in the kidneys. A normal 1:3 cortex / medulla ratio was maintained. The medulla and cortices were variably echogenic including pinpoint cortical hyperechoic foci with and mild to moderate loss of corticomedullary symmetry and definition expected for the age of the patient. No evidence of pelvic dilation was present. The left kidney measured 6.6 cm in length. The right kidney measured 6.2 cm in length.

WEIGHT

38.5lb

The area of the aortic trifurcation was free of pathology.

The residual prostate was sonographically unremarkable measuring 1.0 cm in diameter.

Adrenal Glands

INTERPRETED BY

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

The bilateral adrenal glands were normal in size. Mild parenchyma heterogeneity and mild capsule asymmetry was present without suspicion for overt neoplasia. The left adrenal gland measured 0.73 cm width in the cranial pole and 2.7 cm length. The right adrenal gland measured 0.73 cm width in the cranial pole and 2.2 cm length.

IMAGING PERFORMED BY

Jenna Walsh CVT

Spleen

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.

HOSPITAL NAME

VCA Delta Oaks
Animal Hospital

Liver

The liver was subjectively normal in size, structure, and contour. The liver parenchyma was mildly nonuniform and hypoechoic to the spleen with a moderate coarse echotexture and subjective mild to benign parenchymal remodeling. The hepatic and portal vasculature were normal in appearance without signs of congestion.

REFERRING VET

Dr. Lahm

INVOICE

11099ag

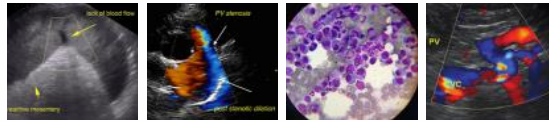
The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with minor mildly hyperechoic nonorganized debris. The cystic and common bile ducts were normal.

Gastrointestinal

DATE

07/11/2022

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained minor retained anechoic pyloric fluid with no signs of ileus, obstruction or foreign material.



PATIENT

Frank Steinmetz

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

BREED

Cocker Spaniel

Free Abdomen

No overt lymphadenopathy or peritoneal effusion was present.

SEX

MN

ULTRASONOGRAPHIC FINDINGS

AGE

12yr

- Hepatopathy-subjectively chronic, benign
- Minor gallbladder debris (non-mucocele)
- Bilateral mild to moderate chronic renal changes
- Minor pancreatic remodeling-benign age related pancreatic changes likely

WEIGHT

38.5lb

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Overall, a largely a geriatric abdomen without evidence of significant visceral pathology. The liver presentation was consistent with benign chronic hepatopathy. A screening hepatic FNA assuming normal clotting status could be considered for cytology if clinically indicated. Hepatosupportive medications including Denamarin and Ursodiol may prove beneficial.

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Further renal staging to include urine C/S and protein: creatinine ratio on sterile urine sample may be considered.

No anesthetic contraindications based on this study and assuming normal ALB, GLU, CHOL and BUN.

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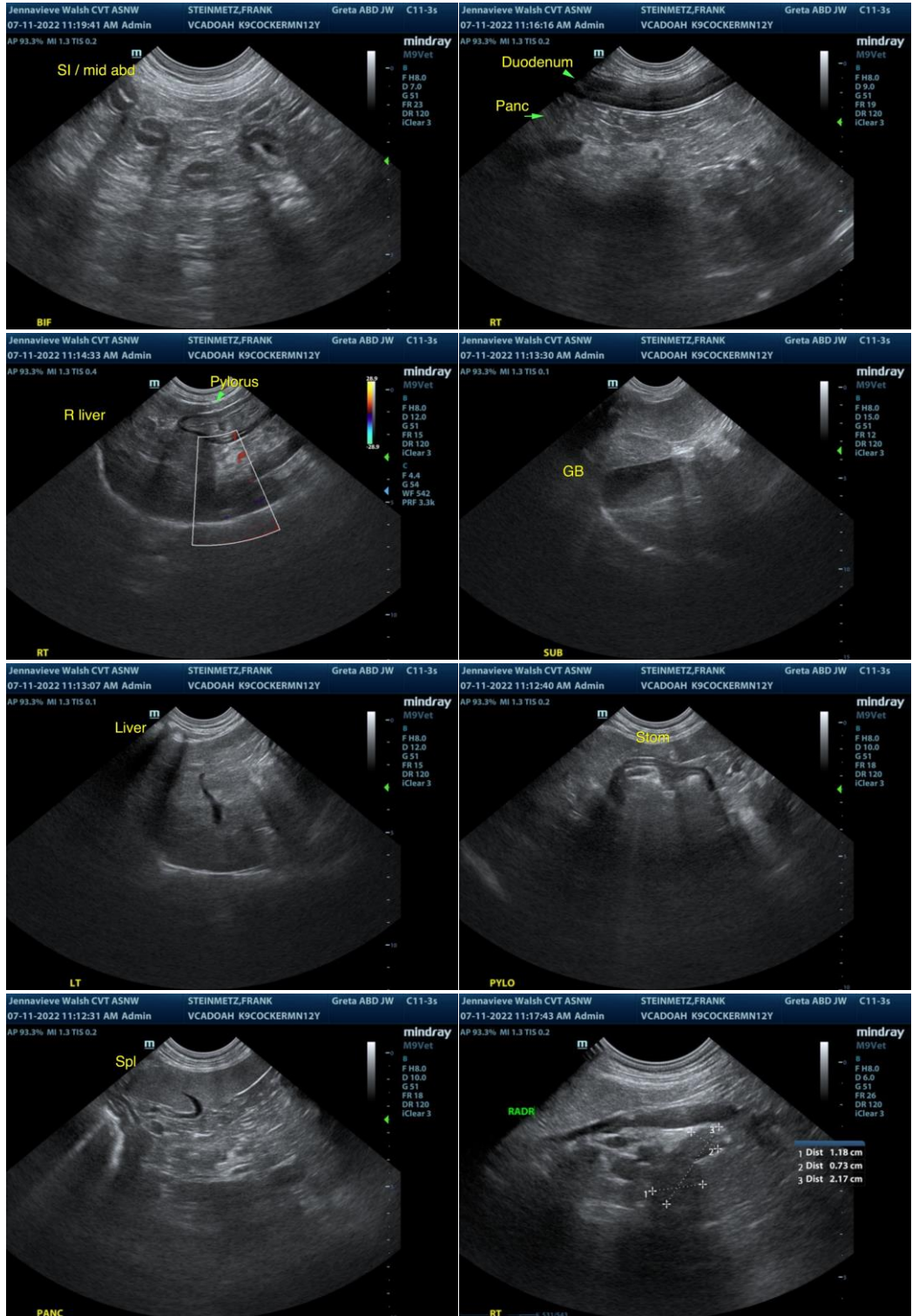
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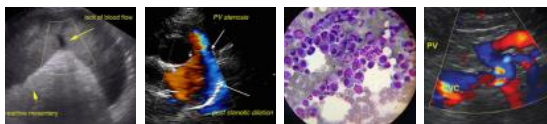
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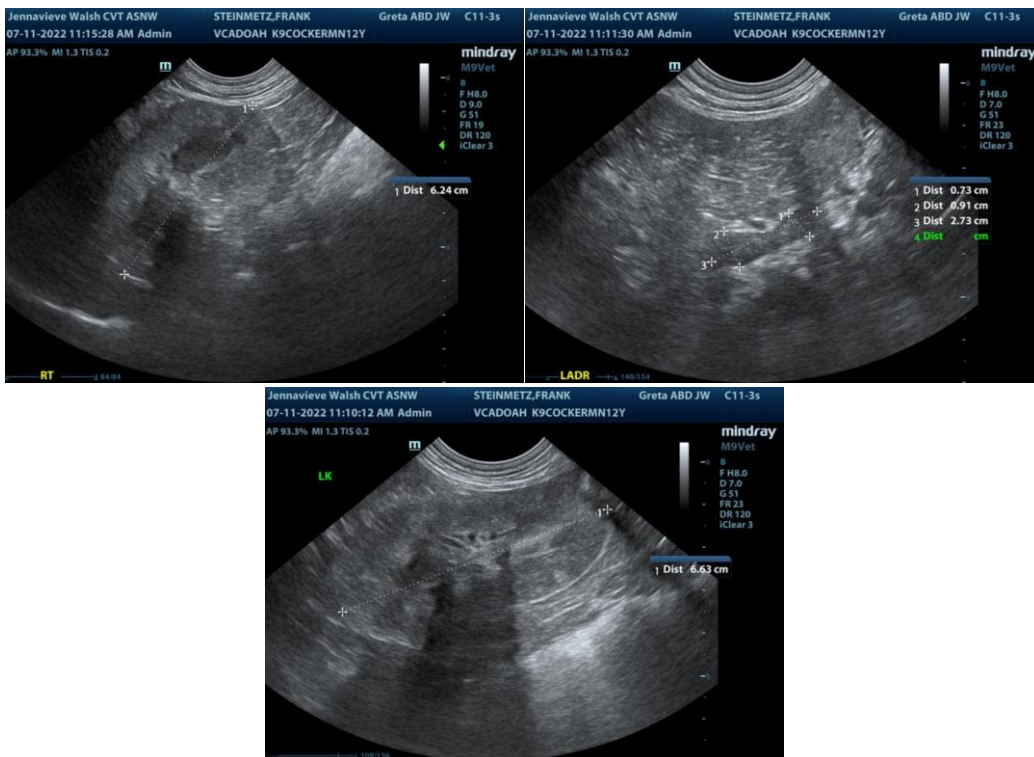
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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