



**PATIENT**

Jasper Love

**PRESENTING CLINICAL SIGNS**

projectile vomiting, got into retinol cream

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: ALT 2172 ALP 592 GGT 39 CBC-WNL

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**BREED**

Cocker Spaniel Mix

**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 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 and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 4.6 cm in length. The right kidney measured 5.4 cm in length.

**AGE**

9yr

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

8kg

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.43 cm width at the caudal pole and 2.1 cm length. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.54 cm width at the caudal pole and 1.6 cm length.

**INTERPRETED BY**

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

**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.

**IMAGING PERFORMED BY**

Hayley Heindel CVT

**Liver/Gallbladder**

The liver was mildly enlarged with symmetrical capsule contour. Mild generalized increased parenchyma echogenicity exhibiting moderate coarse echotexture was present. No masses or nodules noted. 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. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

**HOSPITAL NAME**

Mason Dixon Animal  
ER

**REFERRING VET**

Dr. DeCordon

**Gastrointestinal**

The stomach presented intact normal to mildly prominent wall layering with a normal wall layer ratio. The lumen of the stomach contained mild retained echogenic fluid and subtly shadowing ingesta with no signs of ileus, obstruction or foreign material.

**INVOICE**

12733ag

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**

01/22/2023

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



## PATIENT

**Pancreas**

Jasper Love

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

## SPECIES

**Free Abdomen**

Canine

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

## BREED

Cocker Spaniel Mix

## ULTRASONOGRAPHIC FINDINGS

- Non-specific hepatopathy-subjectively benign, non-specific hepatitis (viral, bacterial , leptospirosis, toxin), vacuolar hepatopathy, non-obstructive cholestasis or other with occult infiltrative neoplasia considered less likely
- Sonographically normal gallbladder
- Mild hypomotile gastritis pattern with mild retained fluid and shadowing ingesta
- Sonographically unremarkable small bowel-no evidence of mechanical/metabolic small bowel ileus
- Mild heterogenous pancreas-nonspecific, possible low-grade pancreatitis

## SEX

FS

## AGE

9yr

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Assuming normal clotting status and using a 25g needle, a hepatic FNA for screening cytology is warranted for further assessment. A leptospirosis titer/PCR may be considered if clinically indicated or if potential exposure/endemic to the area.

## WEIGHT

8kg

No evidence of GI obstructive pattern or definitive foreign material. Technically the possibility of a small amount of non-obstructive gastric foreign material cannot be definitively excluded.

## INTERPRETED BY

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

The pancreas was non-specific and may indicate patient/ age variant, remodeling owing to previous inflammatory episode or mild to chronic pancreatitis possible. This potential may be considered if there is evidence of cranial abdominal or subxiphoid discomfort on palpation. Correlation with a spec cPL or a GI panel to include PLI/TLI/Cobalamin/Folate is recommended.

## IMAGING PERFORMED BY

Hayley Heindel CVT

Hepatosupportive medications such as Denamarin and Ursodiol with as needed therapy for gastroenteritis and monitoring of gastric emptying would be reasonable. Sonographic gastric reassessment may be considered in 18-24 hours following documented 12 hour NPO especially if continued vomiting despite supportive care or evidence of potential to progressive retained ingesta/fluid.

## HOSPITAL NAME

Mason Dixon Animal  
ER

## REFERRING VET

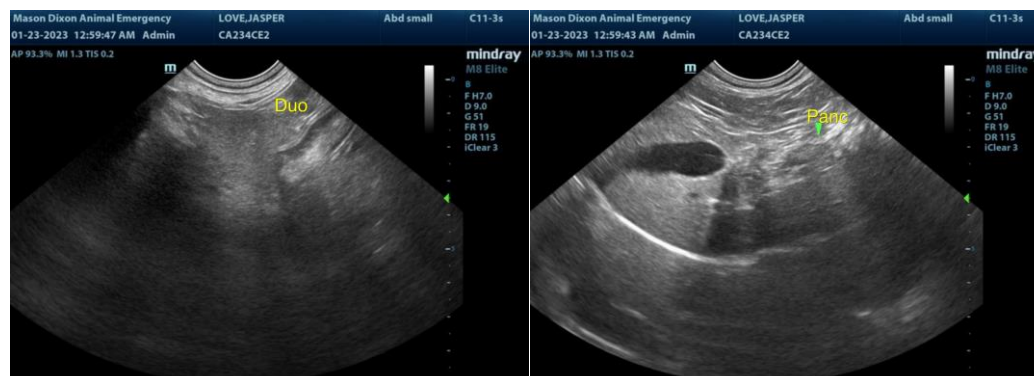
Dr. DeCordon

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## DATE

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**IMAGING PERFORMED BY**

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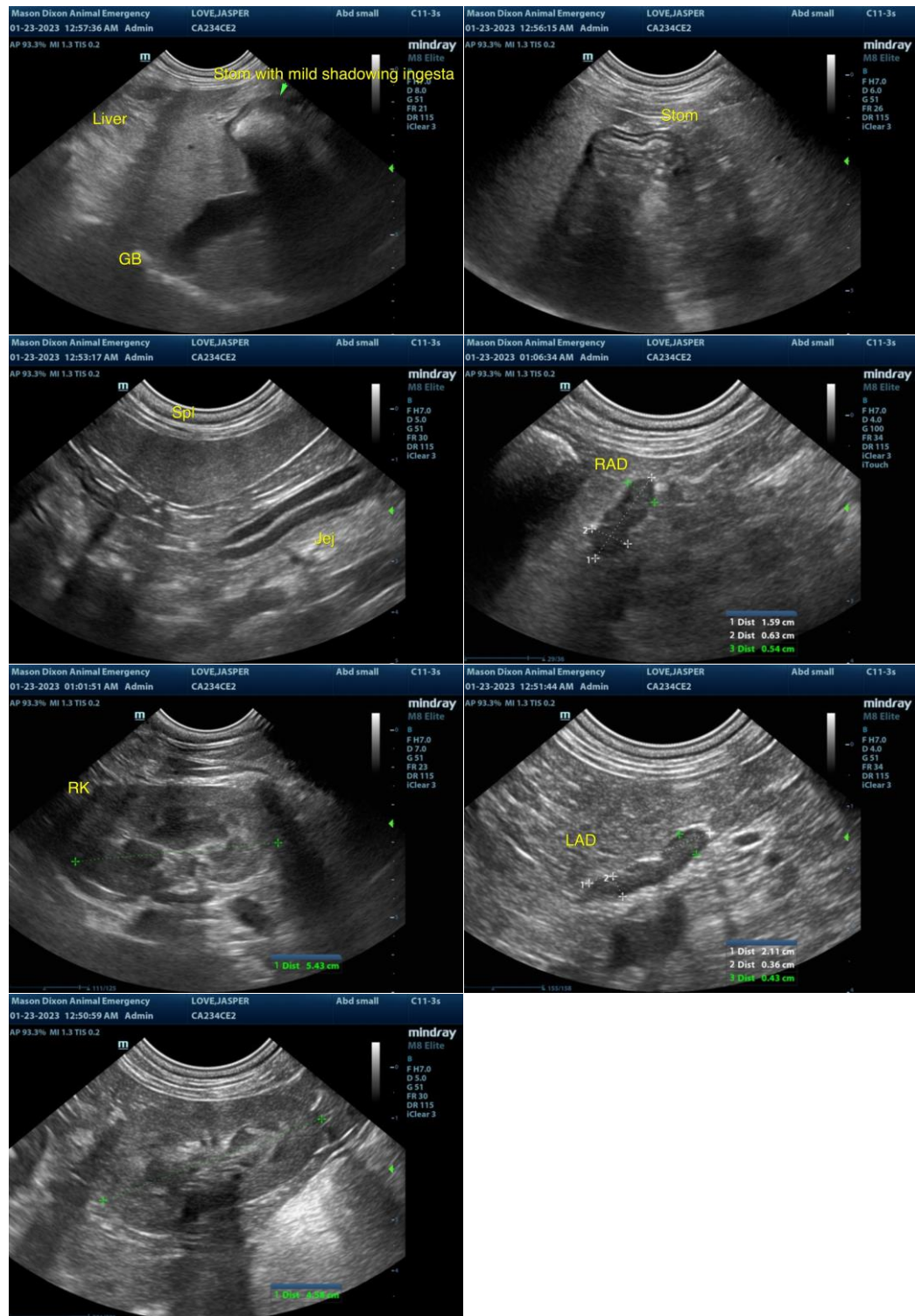
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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



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can be of any further assistance, please contact me.

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