



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Farley Malboeuf	Non clinical but had had a 12 month history of mild to moderate elevation of ALP and mild elevation of ALT
<b>SPECIES</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
Canine	<b>Urinary System</b>
<b>BREED</b>	The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra 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.
Shepherd Mix	
<b>SEX</b>	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 5.8 cm in length. The right kidney measured 7.5 cm in length.
MN	
<b>AGE</b>	The area of the aortic trifurcation was free of pathology.
8yr	The area of the residual prostate appeared normal and free of pathology.
<b>WEIGHT</b>	<b>Adrenal Glands</b>
39kg	The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.48 cm width at the caudal pole and 0.40 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.58 cm width at the caudal pole and 0.66 cm width at the cranial pole.
<b>INTERPRETED BY</b>	<b>Spleen</b>
R. McKenzie Daniel, DVM, DABVP (Canine and Feline)	The spleen exhibited mild regional to generalized enlargement with symmetrical capsule contour and a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis.
<b>IMAGING PERFORMED BY</b>	<b>Liver/Gallbladder</b>
Dr. Belan	The liver was subjectively normal in size, structure, and contour. The liver parenchyma was uniform and hypoechoic to the spleen with a mild to moderate coarse echotexture. Subtle increased prominence of portal vascular borders was present. Normal vascular volume. No visualized masses/nodules. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with moderate congealed yet non-organized hyperechoic debris. The cystic and common bile ducts were normal.
<b>HOSPITAL NAME</b>	<b>Gastrointestinal</b>
Bowness Animal Clinic	The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate variably echogenic non-shadowing ingesta with no signs of ileus, obstruction or foreign material.
<b>REFERRING VET</b>	
Dr Dhothar	
<b>INVOICE</b>	
14526ag	
<b>DATE</b>	
08/08/2023	



**PATIENT**

Farley Malboeuf

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained similar appearing segmental ingesta with no signs of ileus, obstruction or foreign material.

**SPECIES**

Canine

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

**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**

Shepherd Mix

**Free Abdomen**

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

**SEX**

MN

**ULTRASONOGRAPHIC FINDINGS**

**AGE**

8yr

- Non-specific hepatopathy-benign, vacuolar hepatopathy, inflammatory/immune mediated disease, hematopoiesis, hyperplasia, non-obstructive cholestasis or other hepatopathy possible. No evidence of neoplastic criteria.
- Moderate congealed gallbladder sediment-not consistent with mucocele criteria.
- Mild variable to generalized splenomegaly-likely benign, incidental hyperplasia, hematopoiesis, splenitis, hypersplenism or similar suspected.

**WEIGHT**

39kg

**Secondary**

- GI ingesta-sonographically consistent with food, probable post prandial presentation.

**INTERPRETED BY**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Assuming normal clotting status a hepatic FNA for screening cytology is warranted for further assessment primarily to assess for inflammatory criteria. Concurrent splenic FNA using a 25g needle may be considered. A hepatic core surgical biopsy is required for a definitive diagnosis.

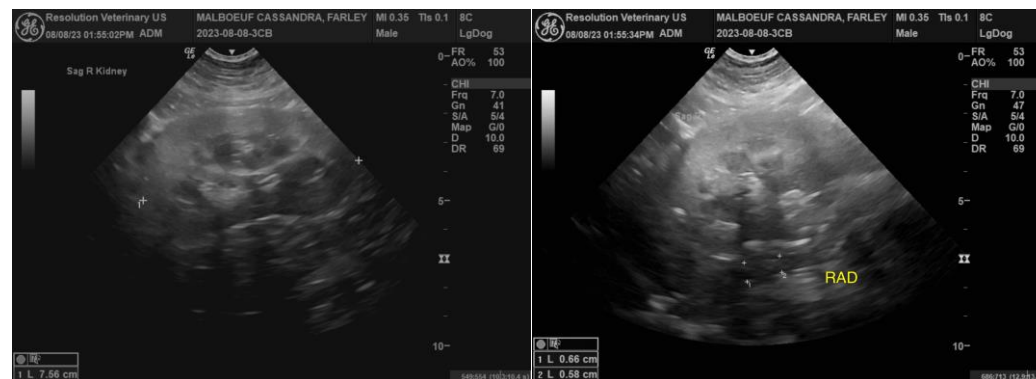
**IMAGING PERFORMED BY**

Dr. Belan

Hepatosupportive medications such as Denamarin and Ursodiol +/- antibiotic trial pending hepatic cytology may prove beneficial.

**HOSPITAL NAME**

Bowness Animal  
Clinic



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**PATIENT**

Farley Malboeuf

**SPECIES**

Canine

**BREED**

Shepherd Mix

**SEX**

MN

**AGE**

8yr

**WEIGHT**

39kg

**INTERPRETED BY**

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**HOSPITAL NAME**

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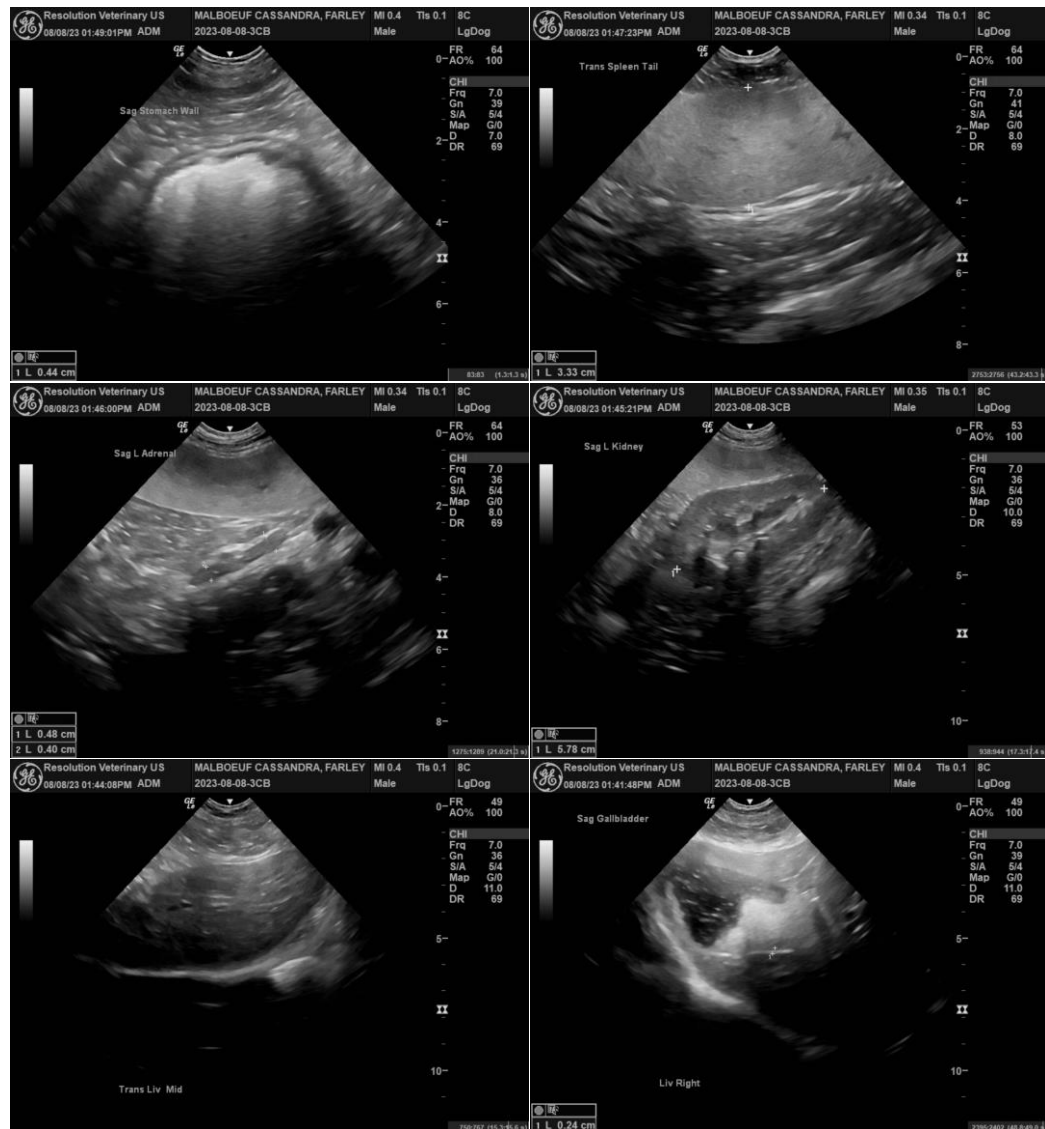
Dr Dhothar

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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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