

PATIENT PRESENTING CLINICAL SIGNS

Sable Rooney Present March 31 for growth removal of mast cell tumour. Prior to sx, took chest rads, noticed that liver looked small. Took abdominal rads as well. Noticed that spleen also looks a bit large. Gabapentin, clavaseptin, forti-flora

SPECIES Abnormal PE/Chem/CBC/UA Results: elevated Bilirubin.

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

American Bulldog The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 3.0 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

Spayed Female 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 6.1 cm. The right kidney measured 7.3 cm.

AGE

7 Years The area of the aortic trifurcation was free of pathology. No evidence of sublumbar or medial iliac lymphadenopathy.

WEIGHT

31.7 kg *Adrenal Glands*
The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 2.60 cm length x 0.53 cm at the caudal pole. The right adrenal gland measured 2.6 cm length x 1.2 cm at the caudal pole.

INTERPRETED BY

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

Spleen

The spleen exhibited mild generalized enlargement with maintained symmetrical capsule contour. Normal splenic parenchyma echogenicity exhibiting mild generalized parenchyma heterogeneity. No masses or nodules noted. Splenic vascularity is normal.

IMAGING PERFORMED BY

Crystal Hill

Liver

The liver exhibited subjective mild subnormal size with normal 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 thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

HOSPITAL NAME

Buck Animal Hospital

REFERRING VET

Dr. MacFarlane

Gastrointestinal

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild to moderate nonshadowing ingesta/chyme.

INVOICE

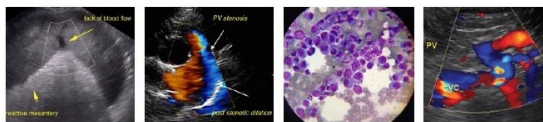
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The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

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

DATE

4/12/22



PATIENT

Pancreas

Sable Rooney

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.

SPECIES

Canine

Free Abdomen

No omental masses, lymphadenopathy or effusion.

BREED

American Bulldog

ULTRASONOGRAPHIC FINDINGS

SEX

Spayed Female

- Mild splenomegaly – non-specific, hyperplasia, hematopoiesis, patient variant, incidental splenitis, emerging neoplasia given the history of mast cell tumor all possible.
- Subjective mild subnormal liver size – incidental given normal hepatic parenchymal structure and architecture.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

7 Years

Overall, no overt evidence of significant abdominal visceral pathology. Assuming normal clotting status and using 25-gauge needle, ultrasound guided FNA of the spleen is warranted for screening cytology, given patient history of mast cell tumor. Sonographic monitoring based on oncology recommendations would be a more conservative approach.

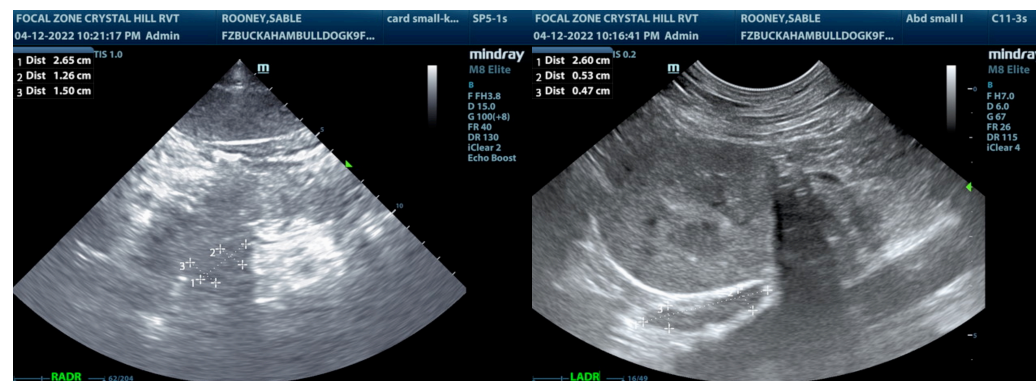
WEIGHT

31.7 kg

No overt evidence of cholestasis or post-hepatic obstruction. Assuming normal hepatic function (i.e., normal albumin, glucose, cholesterol, and BUN levels), the subjective subnormal hepatic size is likely incidental or a patient variant.

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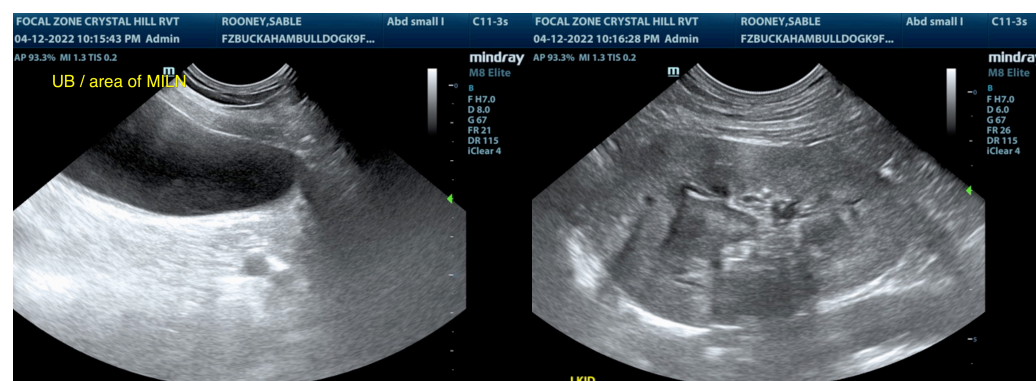


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HOSPITAL NAME

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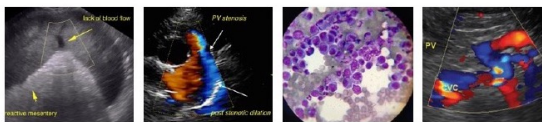
Dr. MacFarlane

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PATIENT

Sable Rooney

SPECIES

Canine

BREED

American Bulldog

SEX

Spayed Female

AGE

7 Years

WEIGHT

31.7 kg

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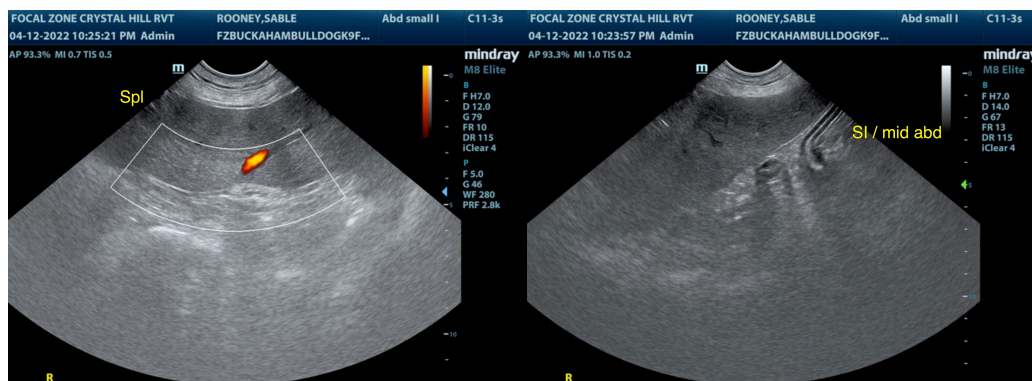
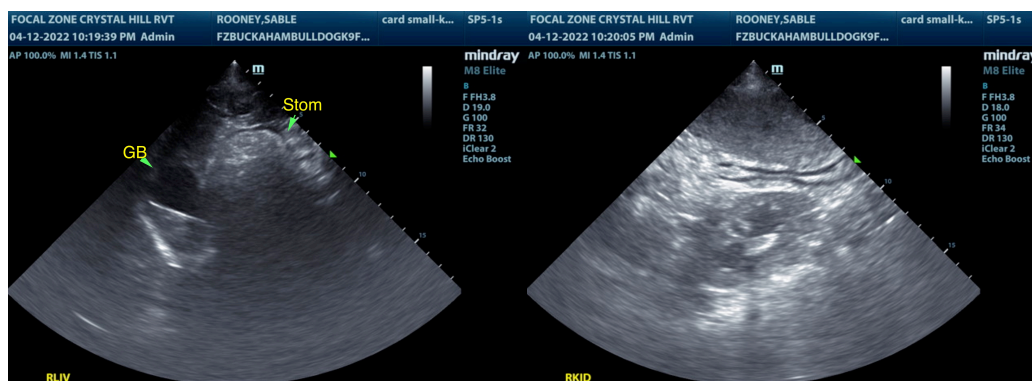
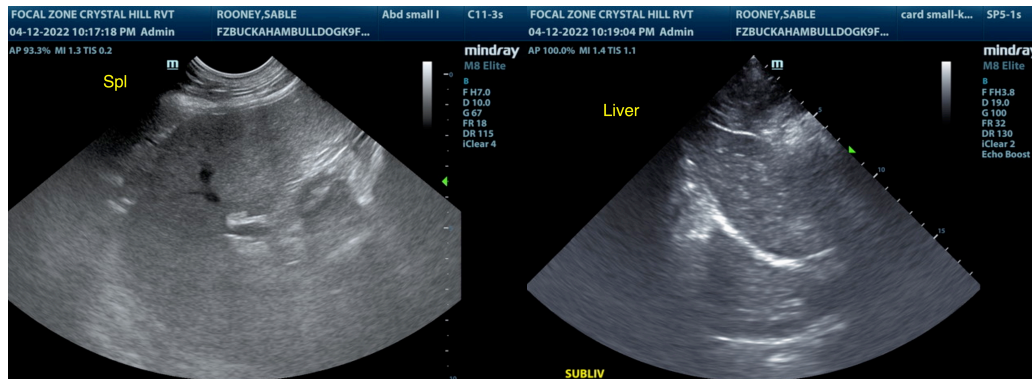
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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