



**PATIENT PRESENTING CLINICAL SIGNS**

Darla Bruno Recheck borderline adrenomegaly (bilateral) and slightly irregular right adrenal gland. No current meds.

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine **Urinary System**

The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

**BREED**

French Bulldog

The left kidney has a normal shape and size (4.88 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**SEX**

Spayed Female

The right kidney has a normal shape and size (4.51 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

**AGE**

11 Years

**Adrenal Glands**

**WEIGHT**

25 Pounds

The left adrenal gland is normal in size measuring 0.63 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The right adrenal gland is normal in size measuring 1.1 cm at the cranial pole, 0.81 cm at the caudal pole, and 2.19 cm in length. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is somewhat irregular in appearance in that there is a hyperechoic foci in the caudal pole, measuring 0.64 cm x 0.85 cm. This lesion appears relatively similar to when it was originally visualized on 3/8/22.

**Spleen**

**IMAGING PERFORMED BY**

Jessica Miller

The spleen is subjectively normal in size, echotexture is homogenous, and the splenic capsule is smooth with no irregularities. The blood flow through the hilus and splenic parenchyma appears normal. No focal parenchymal abnormalities are visualized.

**HOSPITAL NAME**

Millburn Vet Hospital

**Liver**

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

**REFERRING VET**

Dr. Turowsky

The gall bladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. There is a moderate amount of non-organized echogenic debris. The cystic and common bile ducts are normal/not visible.

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**Gastrointestinal**

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

**DATE**

6/22/22



**PATIENT**

Darla Bruno

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

**SPECIES**

Canine

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

**BREED**

French Bulldog

**Pancreas**

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

**SEX**

Spayed Female

**Free Abdomen**

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

**AGE**

11 Years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

25 Pounds

- Mild gallbladder sludge – The significance of the aggregated gallbladder sludge is unclear. This could represent an early mucocele, cholestasis, or may be secondary to fasting.
- Borderline large right adrenal gland with a hyperechoic lesion in the caudal pole – This lesion appears relatively stable from the previous scan on 3/8/22. The nature of this lesion is still unknown, but an aggressive neoplastic lesion seems less likely.

**INTERPRETED BY**

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Recommendations based on today's scan are relatively stable from the previous scan. If the liver enzyme elevations are persistent, then the previously recommended workup is still recommended. There are no new hepatic lesions visualized. There is some mild gallbladder debris, which I suspect is incidental at this time, but should continue to be monitored.

**IMAGING PERFORMED BY**

Jessica Miller

The adrenal glands appear relatively normal aside from the hyperechoic focus in the caudal pole of the right adrenal, which is stable from the previous scan. Although this is good news, continued monitoring is warranted (recheck in 4-6 months?).

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**REFERRING VET**

Dr. Turowsky

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**PATIENT**

Darla Bruno

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Spayed Female

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11 Years

**WEIGHT**

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**IMAGING  
PERFORMED BY**

Jessica Miller

**HOSPITAL NAME**

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**REFERRING VET**

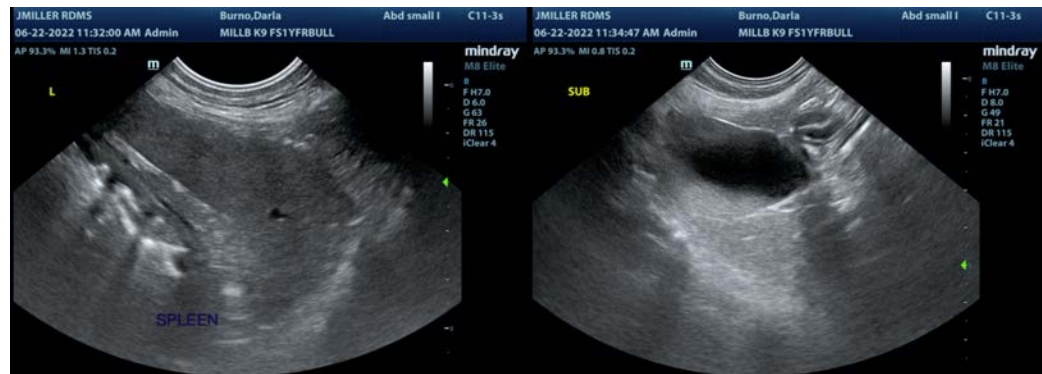
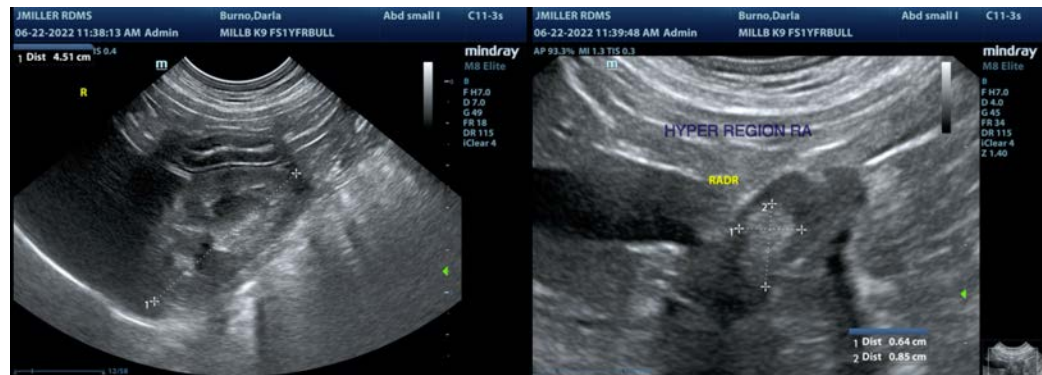
Dr. Turowsky

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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.

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)

kathleen.sennello@sonopath.com