



<b>PATIENT</b>	<b>PRESENTING CLINICAL SIGNS</b>
Bella Cadieux	Seems painful, had difficulty urinating and was started on a course of Amoxicillin. Seemed to improve slightly, but still seems off. Radiograph NSF. Calcium oxalate crystals and struvite crystals present in urine sample. currently on buprenorphine, meloxicam
<b>SPECIES</b>	
Canine	Unremarkable CBC/Chemistry Panel, 4DX negative
<b>BREED</b>	<b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b>
	<b><i>Urinary System</i></b>
Bichon X	The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. The urethra was indistinctly visualized owing to pelvic artifact, yet without overt evidence of pathology or proximal distention. Anechoic urine was present in the lumen with no uroliths, sediment or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic criteria was noted.
<b>SEX</b>	
Spayed Female	No overt pathology associated with the uterine remnant or aortic trifurcation was noted.
<b>AGE</b>	
7 years	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 4.2 cm in length. The right kidney measured 3.9 cm in length.
<b>WEIGHT</b>	
6.45 kg	<b><i>Adrenal Glands</i></b>
<b>INTERPRETED BY</b>	A subtly echogenic, non-expansive nodule was present in the caudal left adrenal gland. No evidence of parenchymal escape or vascular invasion associated with the nodule was noted. The nodule measured approximately 0.66 cm in diameter. The left adrenal gland itself measured 1.8 cm length x 0.88 cm width at the caudal pole.
R. McKenzie Daniel, DVM, DABVP	<b><i>Spleen</i></b>
<b>IMAGING PERFORMED BY</b>	The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 1.4 cm length x 0.57 cm width at the caudal pole.
Kelly Reshny, RVT	<b><i>Liver/ Gallbladder</i></b>
<b>HOSPITAL NAME</b>	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.
Queensway VH	
<b>REFERRING VET</b>	
Dr. Keating	
<b>INVOICE</b>	
12193	The liver was subjectively normal in size, 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.
<b>DATE</b>	
9/8/21	



**PATIENT**

***Gastrointestinal***

Bella Cadieux

The stomach presented intact wall layering with a normal wall layer ratio. Minor retained pyloric fluid with subjective mildly prominent yet intact pylorus walls were present. The pylorus wall width measured 0.43 cm.

**SPECIES**

Canine

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. The duodenum wall width measured 0.31 cm.

**BREED**

Bichon X

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

**SEX**

Spayed Female

***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 were evident.

**AGE**

7 years

***Free Abdomen***

No evidence of intraabdominal masses, lymphadenopathy or peritoneal effusion was present.

**WEIGHT**

6.45 kg

**ULTRASONOGRAPHIC FINDINGS**

***Primary Findings***

- Subtle caudal left adrenal nodule - nonspecific, suspect adenoma
- Possible minor pyloric gastritis / metabolic stasis

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overall, no overt evidence of significant visceral pathology.

**IMAGING  
PERFORMED BY**

Kelly Reshny, RVT

The subtle left adrenal nodule, though nonspecific, is suggestive of suspected adenoma or focal nonspecific hyperplasia. The potential for emerging left adrenal neoplasia such as adenocarcinoma or pheochromocytoma is considered less likely yet cannot be definitively excluded.

**HOSPITAL NAME**

Queensway VH

Screening blood pressure is recommended. Ideally, sonographic monitoring of the subtle nodule for evidence of progression with initial recheck in 4 weeks is recommended.

**REFERRING VET**

Dr. Keating

No overt evidence of upper or lower urinary tract pathology as an obvious cause of the stranguria or dysuria. Assessment for evidence of muscular/skeletal or neurological discomfort or pain may be considered as a potential cause of referred abdominal pain.

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**PATIENT**

Bella Cadieux

**SPECIES**

Canine

**BREED**

Bichon X

**SEX**

Spayed Female

**AGE**

7 years

**WEIGHT**

6.45 kg

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP

**IMAGING  
PERFORMED BY**

Kelly Reshny, RVT

**HOSPITAL NAME**

Queensway VH

**REFERRING VET**

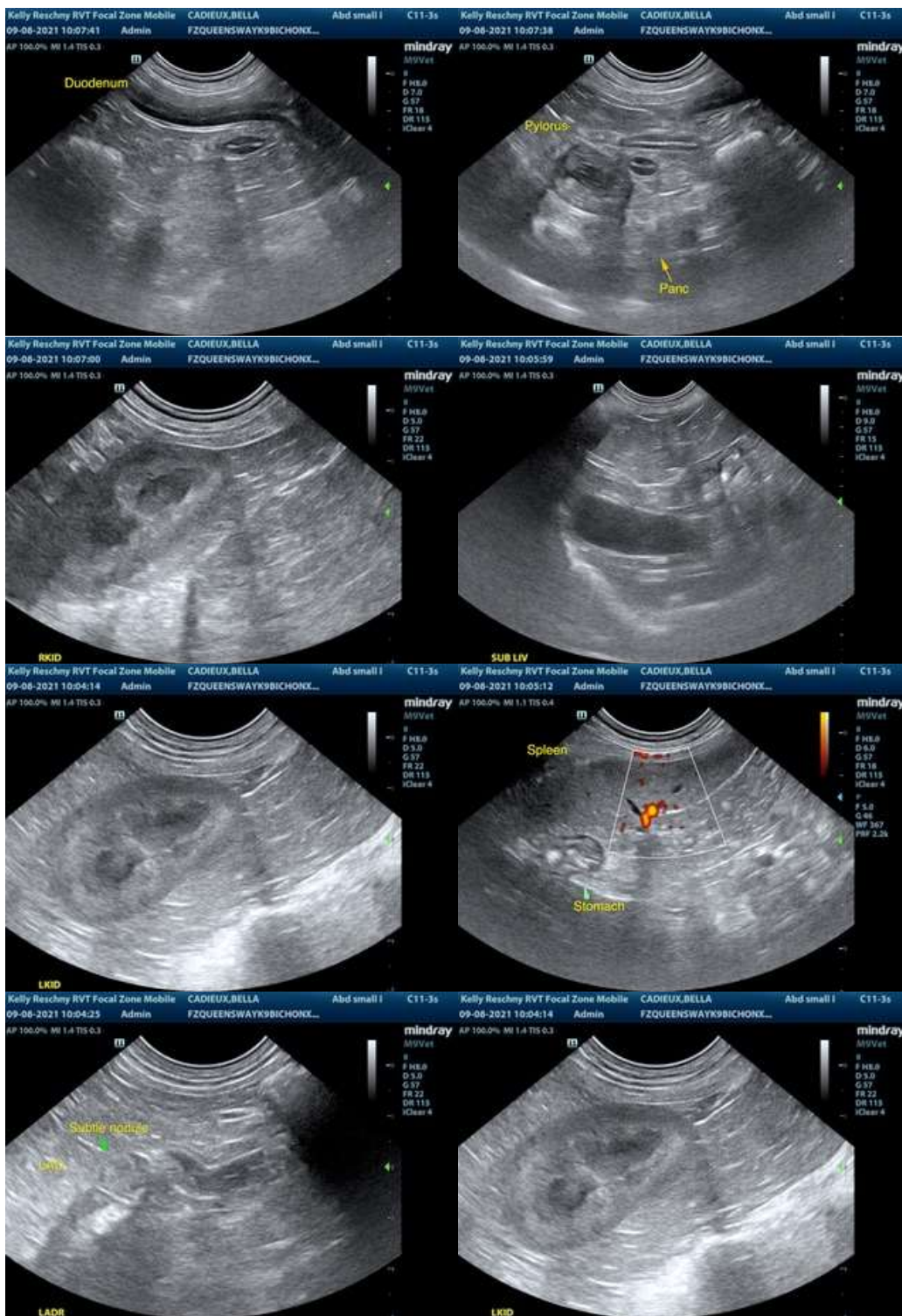
Dr. Keating

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



**PATIENT**

Bella Cadieux

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.

**SPECIES**

Canine

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**  
**info@SonoPath.com**

**BREED**

Bichon X

**SEX**

Spayed Female

**AGE**

7 years

**WEIGHT**

6.45 kg

**INTERPRETED BY**

R. McKenzie Daniel,  
DVM, DABVP

**IMAGING  
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Kelly Reshny, RVT

**HOSPITAL NAME**

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