



**PATIENT**

Sadie Lister

**SPECIES**

Canine

**BREED**

Pug

**SEX**

Intact Female

**AGE**

5 Years

**WEIGHT**

Approximately 20  
Lbs.

**INTERPRETED BY**

Andrea Nicastro,  
DVM, Diplomate  
ACVIM (Small Animal  
Internal Medicine)

**IMAGING  
PERFORMED BY**

Crystal Hill

**HOSPITAL NAME**

Simcoe AH

**REFERRING VET**

Dr. Kennedy

**INVOICE**

13975

**DATE**

2/17/22

**PRESENTING CLINICAL SIGNS**

History: Exam not scheduled until morning of ultrasound. Had a toxic episode May 15, 2020 with elevated liver enzymes and had an ultrasound done by you. Swollen, edematous pancreas, mildly hypoechoic liver with mild gallbladder wall edema, gastroduodenitis, moderate peritoneal effusion and reactive mesentery were found. Never came for the recheck as she recovered quickly. A heart murmur was heard by one vet and an echo was recommended prior to spay. She may be pregnant now. Exam and senior profile will be done prior to ultrasound in the morning. No further murmur noted on today's exam. Due to funds owner wishes for the abdominal ultrasound only, not the echo.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, and pelvic urethra are normal in thickness and the mucosal surface is smooth. The bladder lumen is moderately distended with anechoic urine. No masses, inflammatory changes or calculi are observed. Ureteral papillae and visualized portion of the proximal urethra, visible to a depth of 2 cm, are normal.

The left kidney presented normal size (4.69 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

The right kidney presented normal size (4.28 cm in length); normal shape and architecture with smooth peripheral margins. There is a normal 1:3 cortex to medulla ratio with normal corticomedullary distinction. There is no evidence of pyelectasia, nephroliths, infarcts or hydronephrosis. Renal vasculature is normal.

**Adrenal Glands**

The left adrenal gland is normal size (0.55 cm at cranial pole) (0.43 cm at caudal pole) (1.68 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal size (0.79 cm at cranial pole) (0.53 cm at caudal pole) (1.58 cm in length); normal shape; homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

**Spleen**

The spleen is difficult to discern, due to the gravid uterus.

**Liver**

The liver is subjectively normal in size with normal contours and structure. There is appropriate echogenicity and echotexture. No overt structural evidence of inflammatory, infiltrative or regenerative pathology is evident. Vascular and biliary tracts are of normal volume with no evidence of congestion. No pathological hepatic lymphadenopathy observed.



**PATIENT**

The gall bladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal.

Sadie Lister

**Gastrointestinal**

**SPECIES**

The gastric lumen is mildly distended with soft shadowing ingesta. The gastric wall is normal in thickness with a normal layering pattern. The small intestinal lumen is not dilated. The small intestinal wall thickness is normal with a normal layering pattern and appropriate mural detail. Discreet masses are not identified. The colonic wall is normal. No obstructive or overt infiltrative disease is noted.

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**Pancreas**

**SEX**

The pancreas is largely obscured by the fetuses within the uterus. In the visualized portions, no obvious pathology is observed.

Intact Female

**Free Abdomen**

**AGE**

Trace free fluid is observed. The abdominal lymph nodes are normal/not visible.

5 Years

**Other**

At least 2-3 fetuses are observed within the uterus. In the observed fetuses, good blood flow is noted.

**WEIGHT**

Approximately 20  
Lbs.

**ULTRASONOGRAPHIC FINDINGS**

**INTERPRETED BY**

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DVM, Diplomate  
ACVIM (Small Animal  
Internal Medicine)

**Primary Findings**

- Gravid uterus. At least 2-3 fetuses are visualized.

**Secondary Findings**

- The gastric luminal contents may represent ingesta and/or foreign material (i.e., grass, cloth). Correlation with clinical findings is recommended.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- Abdominal x-rays would be useful in determining the number of fetuses within the uterus.

**IMAGING PERFORMED BY**

Crystal Hill

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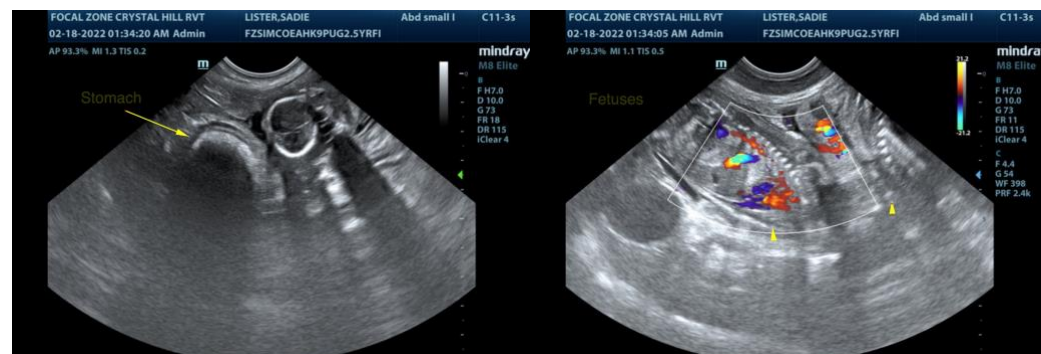
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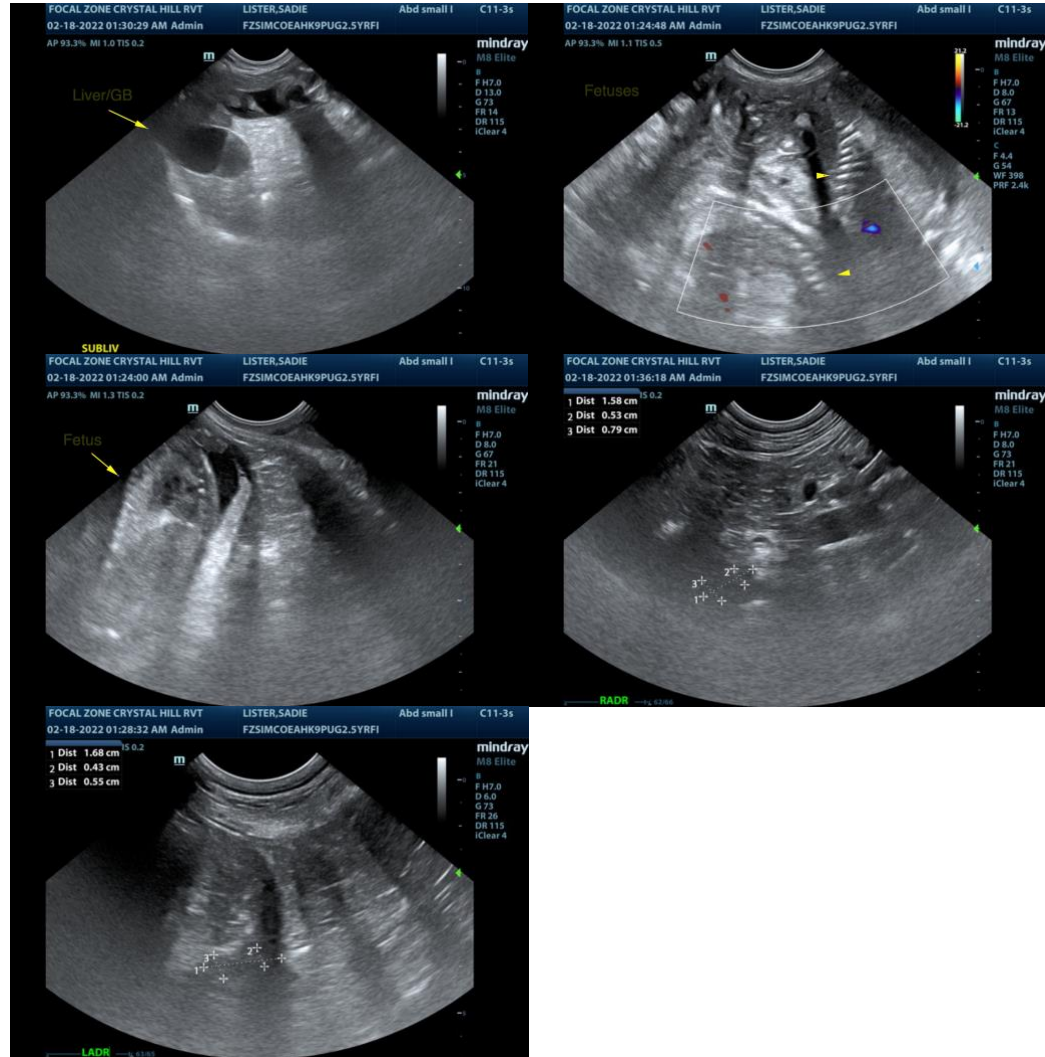
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Andrea Nicastro, DVM, Diplomate ACVIM (Small Animal Internal Medicine)

andrea\_nicastro2@hotmail.com