

**PATIENT PRESENTING CLINICAL SIGNS**

Sadie McIntosh

History: Pt had litter 10/2021 via C-section when under care of previous owner. Current owner has had her since December and hasn't been able to have clear communication with previous owner about whether or not pt was spayed during c-section. Current owner would like to breed pt but is concerned she may be spayed because pt has not had a heat cycle. Primary Question/Differential to Be Answered in This Exam Evaluate for uterus/ovaries.

**SPECIES**

Canine

**BREED**

French Bulldog

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

**SEX**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 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.

Female ?

**AGE**

2.5 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 5.1 cm in length. The right kidney measured 4.9 cm in length.

**WEIGHT**

21.4 Pounds

**Adrenal Glands**

**INTERPRETED BY**

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

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.44 cm width at the caudal pole and 0.43 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 0.69 cm width at the caudal pole and 0.68 cm width at the cranial pole.

**IMAGING PERFORMED BY**

Jenna Walsh, CVT

**Spleen**

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.

**HOSPITAL NAME**

Countryside AC

**Liver**

**REFERRING VET**

Dr. Cox

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.

**INVOICE**

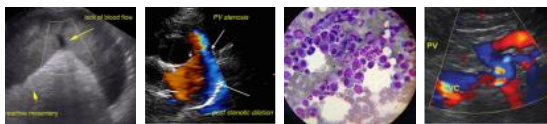
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**Gastrointestinal**

**DATE**

5/2/22

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate non-shadowing ingesta. This is likely consistent with recent meal ingestion.



**PATIENT**

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The small intestine contained segmental minor chyme.

Sadie McIntosh

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

**SPECIES**

**Pancreas**

Canine

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**

French Bulldog

**Other**

**SEX**

Visualized overtly normal to mildly prominent uterine tissue was noted dorsal and immediately cranial to the urinary bladder, proximal urethra and ventral to the colon. The visualized uterine tissue measured approximately 1.3 cm- 1.4 cm in width. No evidence of uterine luminal fluid. The visualized uterine tissue was not overtly visualized, extending cranially into the area of the left or right ovary. The left and right ovaries were not definitively visualized.

Female ?

**AGE**

2.5 Years

**ULTRASONOGRAPHIC FINDINGS**

**WEIGHT**

- Visualized overtly normal to mildly prominent uterine tissue dorsal and directly cranial to urinary bladder- intact uterus versus mildly prominent uterine remnant

21.4 Pounds

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

The left and right ovaries were not definitively visualized. Given that the patient has not had a documented or noted heat cycle since adoption in December, the visualized uterine tissue may indicate uterine remnant, however, intact status in this patient cannot be definitively excluded. For further assessment a LH or anti-mullerian hormone test is suggested, both of which may be run at any time during potential estrous cycle.

R. McKenzie Daniel,  
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**DATE**

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**PATIENT**

Sadie McIntosh

**SPECIES**

Canine

**BREED**

French Bulldog

**SEX**

Female ?

**AGE**

2.5 Years

**WEIGHT**

21.4 Pounds

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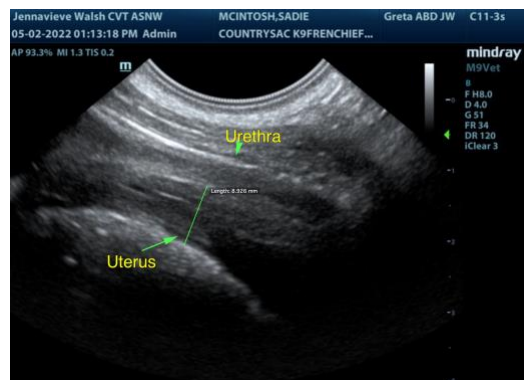
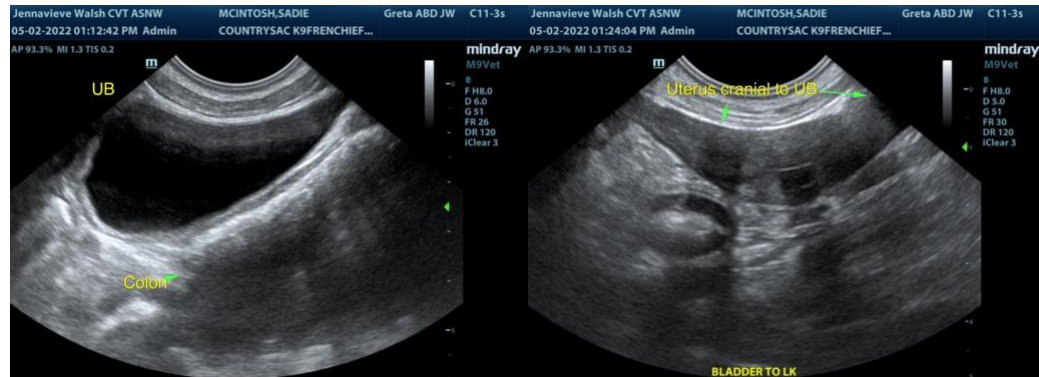
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**DATE**

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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.

**R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)**  
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**SEX**

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