



**PATIENT**

Spirit O'Neal

**PRESENTING CLINICAL SIGNS**

presented for possible pyo , purulent d/c leaking from vulva Another clinic said fast scan saw sacs /potential cysts

**SPECIES**

Canine

Abnormal PE/Chem/CBC/UA Results: WBC 39.36

**BREED**

Bulldog Mix

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no evidence of urine/lumen sediment, mineral, or calculi. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes was noted.

**SEX**

F

Normal size and margination were present in the left kidney. 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 8.0 cm in length. The right kidney and right adrenal gland were not definitively visualized owing to ingesta distended stomach.

**AGE**

4

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

93

The uterus presented mild fluid dilation with primarily anechoic fluid and mild cellular debris. The uterine wall was thickened, the fluid within the uterus was echogenic. The appearance of the uterus is most consistent with pyometra although hydrometra, hematometra or similar presentations are possible. The definitive / right ovaries were not obviously visualized.

**INTERPRETED BY**

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

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.55 cm width at the caudal pole. The right kidney and right adrenal gland were not definitively visualized owing to ingesta distended stomach.

**IMAGING PERFORMED BY**

Jenn

**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**

Rockaway Animal  
Hospital

**Liver/Gallbladder**

**REFERRING VET**

Dr Maniar

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. Normal vascular volume. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was subnormal in size likely owing to the presence of gastric ingesta with thin walls and primarily anechoic luminal content. The cystic and common bile ducts were normal.

**INVOICE**

23241

**DATE**

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## *Gastrointestinal*

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained moderate variably echogenic non-shadowing ingesta sonographically suggestive of food echogenicity with no signs of obstruction or foreign material.

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine contained similar appearing non-shadowing ingesta/chyme with no signs of obstruction or foreign material.

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

## *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 was evident.

## *Free Abdomen*

No omental masses, overt lymphadenopathy or peritoneal effusion was present.

## ULTRASONOGRAPHIC FINDINGS

### Primary

- Thickened mild fluid distended uterus- consistent with endometritis/ pyometra criteria.
- Normal urinary bladder and visible proximal urethra.
- Normal left kidney /adrenal gland
- Gastric and segmental intestinal ingesta- suggestive of food echogenicity

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Exploratory laparotomy with ovariohysterectomy and submission of ovariuterine tissue for histopathology is recommended. Potential for non-obvious ovarian pathology is not definitively excluded.



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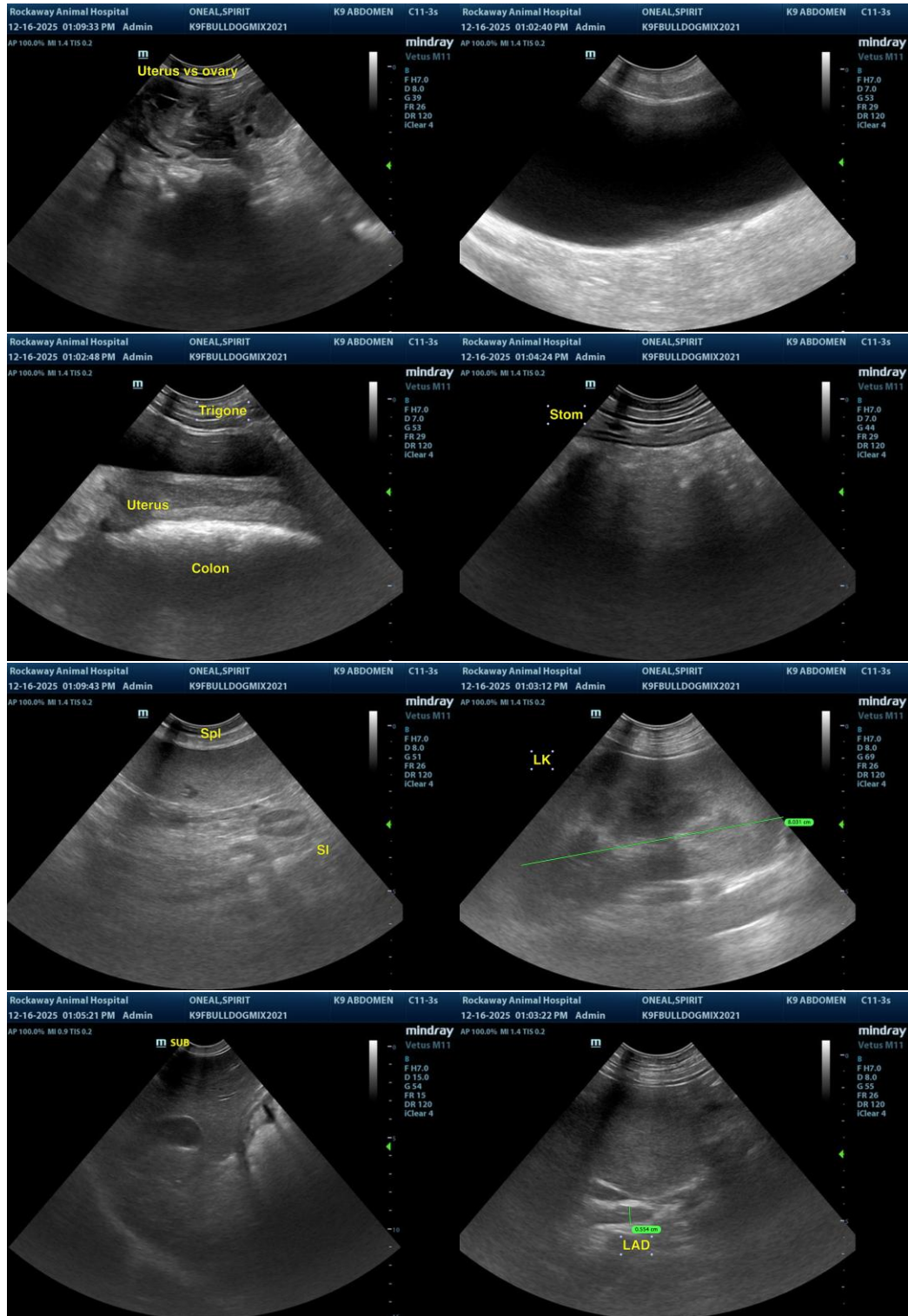
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

## SPECIES

Canine

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.

## BREED

Bulldog Mix

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[info@sonopath.com](mailto:info@sonopath.com)

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