

**PATIENT PRESENTING CLINICAL SIGNS**

Zara Taylor Bruin

Started what O thought was the first heat cycle 2-3 weeks ago. Only produced a few drops of blood at the time. Started bleeding again and is now bleeding a lot more. I off-colored and smells different than other normal female heat cycles. O states that she was told P has an actively bleeding mass in the uterus and to spay her. O does not want to spay her if she does not have to and wants a second opinion.

**SPECIES**

Canine

**BREED**

Pitbull

Current medications; Amoxi/clav 250BID, Yunnan Baiyo TID, (Also Tranexamic acid 650TID but hasnt started yet due to not picking up at pharmacy)

Also has a II-III/VI heart murmur

**SEX**

Female, intact

**ULTRASONOGRAPHIC EXAMINATION OF THE**

**AGE**

3/26/21

**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.

**WEIGHT**

43.8 lbs.

The left kidney is normal size (6.10 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 hydroureter. Renal vasculature is normal.

**INTERPRETED BY**

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

The right kidney is normal size (6.63 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 hydroureter. Renal vasculature is normal.

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**Adrenal Glands**

The left adrenal gland is normal size (0.46 cm at cranial pole) (0.56 cm at caudal pole) (1.66 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.

**HOSPITAL NAME**

Southside AH

The right adrenal gland is normal size (0.56 cm at cranial pole) (0.65 cm at caudal pole) (2.47 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.

**REFERRING VET**

Dr. Caroll

**INVOICE**

12762

**Spleen**

**DATE**

12/22/21



**PATIENT**

Zara Taylor Bruin

The spleen is normal in size (1.60 cm in width at the level of the hilus) with a normal capsular contour. There is appropriate echogenicity and echotexture. No focal lesions are observed. Splenic vasculature is normal.

**SPECIES**

Canine

**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. The portal vein: caudal vena cava ratio is approximately 1:1. 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/not seen.

**BREED**

Pitbull

**SEX**

Female, intact

**Gastrointestinal**

The gastric lumen is distended with ingesta. The gastric wall and pylorus are normal in thickness with a normal layering pattern. The pyloric outflow tract is patent. The small intestinal lumen is diffusely dilated with chyme. 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 disease is noted.

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**Pancreas**

A portion of the pancreas is obscured by the gastric distention. In the visualized portion, no obvious pathology is seen.

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**Free Abdomen**

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

**Other**

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The left ovary is subjectively normal in size (1.56 x 1.23 cm) with a normal shape and parenchyma. The right ovary is also subjectively normal in size (1.53 x 0.89 cm). No obvious pathology is observed.

The left and right uterine horns are mildly thickened. The lumens of both horns are empty. At the bifurcation of the uterus, a 1.66 cm irregular aggregation of tissue is arising from the wall of the uterus. Distal to this region, the lumen is moderately to severely distended with echogenic fluid. The wall of the uterine body is diffusely thickened (up to 0.71 cm) and slightly irregular. The mesentery adjacent to the uterus is slightly hyperechoic.

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A brief echocardiogram reveals no evidence of pericardial effusion.

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**ULTRASONOGRAPHIC FINDINGS**

The focal area of irregular tissue at the area of the bifurcation of the uterine body may represent a tumor, granuloma, inflammatory focus. The dilated uterine body may be secondary to pyometra, hemorrhage within the uterine lumen, other. The trace ascites is likely secondary due to uterine inflammation.

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**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

An ovariohysterectomy is recommended with submission for the uterus for histopathology. A vaginal cytology can be considered at this time to further assess for pyometra. Broad-spectrum antibiotic therapy is recommended while awaiting ovariohysterectomy.





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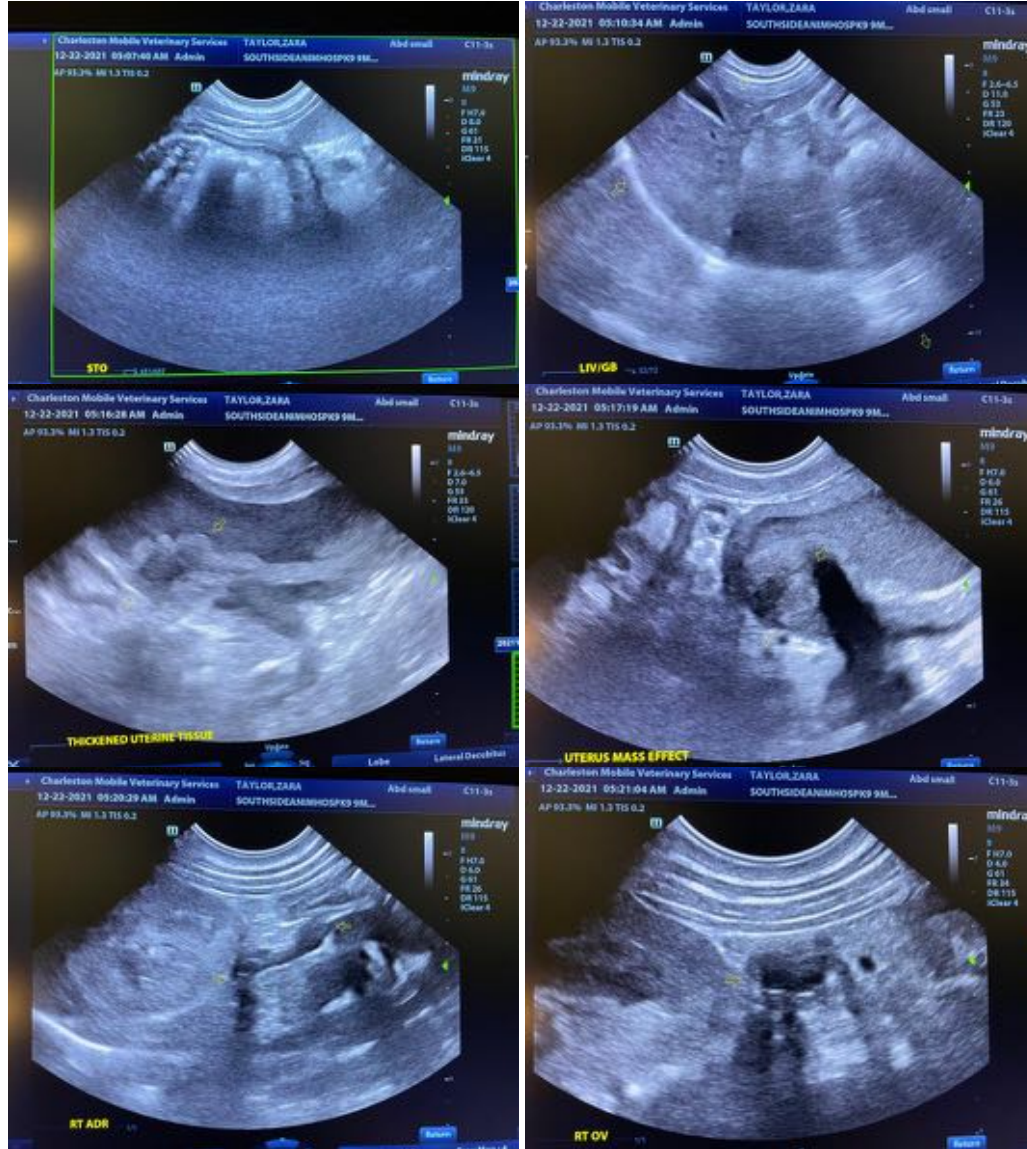
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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