



<p><b>PATIENT</b></p> <p>Beyonce Freeman</p> <p><b>SPECIES</b></p> <p>Canine</p> <p><b>BREED</b></p> <p>Bulldog</p> <p><b>SEX</b></p> <p>Female</p> <p><b>AGE</b></p> <p>3 years</p> <p><b>WEIGHT</b></p> <p>50.4 lbs</p> <p><b>INTERPRETED BY</b></p> <p>Kim Radway, DVM, DABVP (Canine/ Feline)</p> <p><b>IMAGING PERFORMED BY</b></p> <p>Graham Sager Gellerman, DVM</p> <p><b>HOSPITAL NAME</b></p> <p>Back Bay VC</p> <p><b>REFERRING VET</b></p> <p>Dr. Ferraro</p> <p><b>INVOICE</b></p> <p>72143</p> <p><b>DATE</b></p> <p>3/3/26</p>	<p><b>PRESENTING CLINICAL SIGNS</b></p> <ul style="list-style-type: none"> <li>• To evaluate the following condition: Hypoechoic mid abdominal structure noted on POCUS while attempting cystocentesis</li> <li>• Case Summary: 3 year old female (likely spayed, new owner is awaiting spay records from previous owner) bulldog who presented for UTI signs. Patient was treated with a 5 day course of amoxicillin which improved the UTI and the hematuria resolved. However, a few days later, P continued to have increased frequency of urination and mild vulvar discharge. Free catch urine revealed UTI with cocci. Unable to obtain a urinary sample via cystocentesis due to small size of bladder. On POCUS noted large hypoechoic structure in mid-caudal abdomen. P has had a c-section.</li> <li>• Urinalysis: revealed UTI with cocci</li> </ul> <p><b>ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN</b></p> <p><i>Urinary System</i></p> <p>The <b>urinary bladder</b>, trigone and pelvic urethra presented with normal wall thicknesses with anechoic urine and normal tone. There was a moderate amount of suspended, hyperechoic cellular material and debris within the urine. There was a moderate amount of hyperechoic, distal shadowing, gravity dependent urolith material within the lumen of the bladder. No masses were noted in the lumen of the bladder. No evidence of inflammatory or neoplastic changes were noted. The ureters were not visible and considered normal.</p> <p>Just cranial to the bladder there was a large, fluid filled, structure measuring 4.47 x 3.94 cm in size. This structure is likely a fluid filled uterine stump.</p> <p>The <b>kidneys</b> revealed normal size, corticomedullary definition and ratio with the cortex being 1/3 of medulla. Medullary echogenicity differed distinctly from that of the cortex and no evidence of dilation could be seen. The renal pelvic diverticuli were distinct in character. The capsules were acceptably uniform without dramatic irregularities. The left kidney was <u>5.33 cm</u> and the right kidney was <u>5.35 cm</u> in length.</p> <p><i>Adrenal Glands</i></p> <p>Both <b>adrenal glands</b> were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were acceptable. The left adrenal gland was <u>2.0 cm by 0.67 cm by 0.54 cm</u> and the right adrenal gland was <u>1.78 cm by 0.59 cm by 0.76 cm</u> in size.</p> <p><i>Spleen</i></p> <p>The <b>spleen</b> presented with a smooth homogeneous parenchyma hyperechoic to liver and kidney. The capsule was smooth and linear in its contour. The splenic vasculature demonstrated normal volume without signs of congestion, significant contraction, or thrombosis.</p>
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Feline)

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## Liver

The **liver** revealed normal size, contour, and structure. Parenchymal echogenicity was smooth and homogenous in appearance. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder contained a small amount of hyperechoic, non-shadowing debris. No periportal lymphadenopathy was evident.

## Gastrointestinal

The **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. There was a small amount of gas in the lumen of the stomach. No obstructive or overt infiltrative disease was noted. No abnormal lymphatic activity was noted and the abdomen was free of gastrointestinal masses and pathological fluid.

## Pancreas

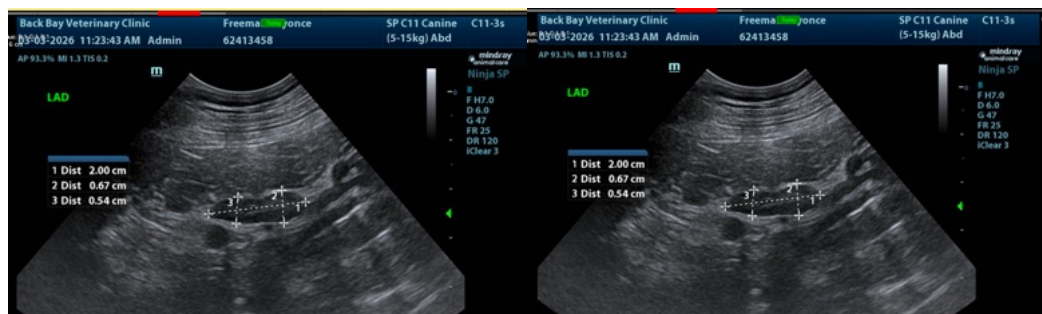
The right and left limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic capsular contour were acceptably normal. No overt evidence of active inflammatory or neoplastic disease was noted.

## ULTRASONOGRAPHIC FINDINGS

Abnormal urine containing hyperechoic, urolith and cellular debris  
Large fluid filled uterine stump

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

There is concern that this patient has a stump pyometra or a stump mucometra causing secondary urinary tract infection with urolith material within the urine. It is recommended to consider an exploratory surgery in order to remove the abnormal uterine stump surgically. A cystocentesis urine sample should be obtained in order to submit for urine culture to allow appropriate antibiotic therapy for any urinary tract infection present in this patient. It is felt that the recurrent urinary tract infection signs will resolve once the uterine stump is surgically removed and the current urinary tract infection is appropriately treated with antibiotics based on culture results.





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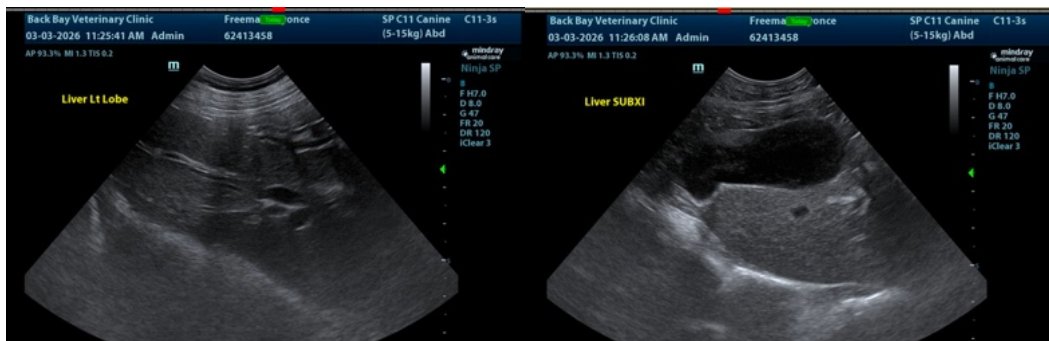
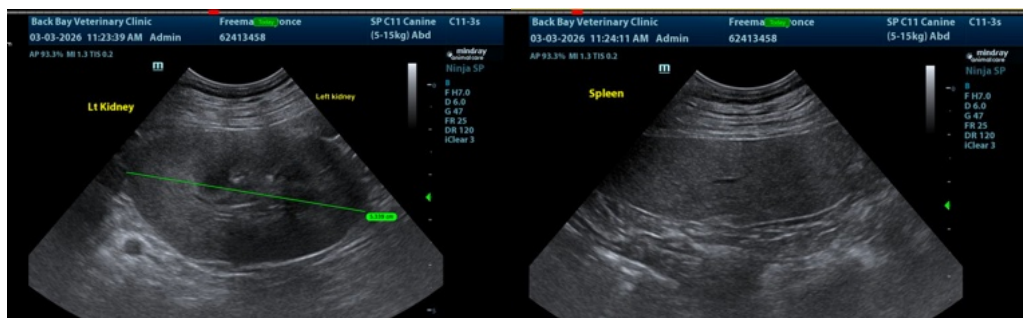
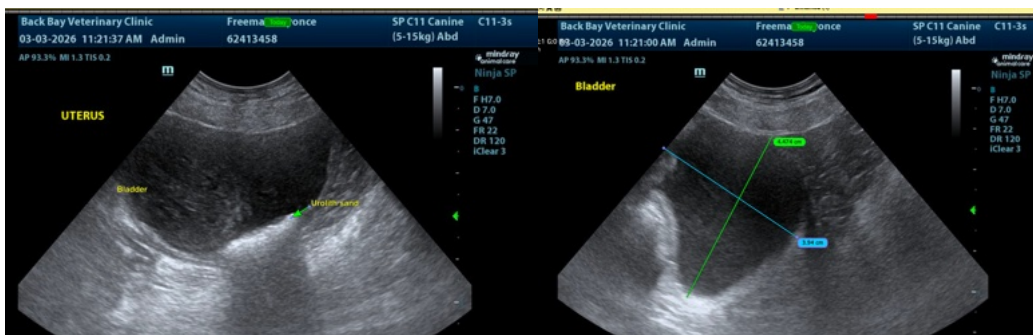
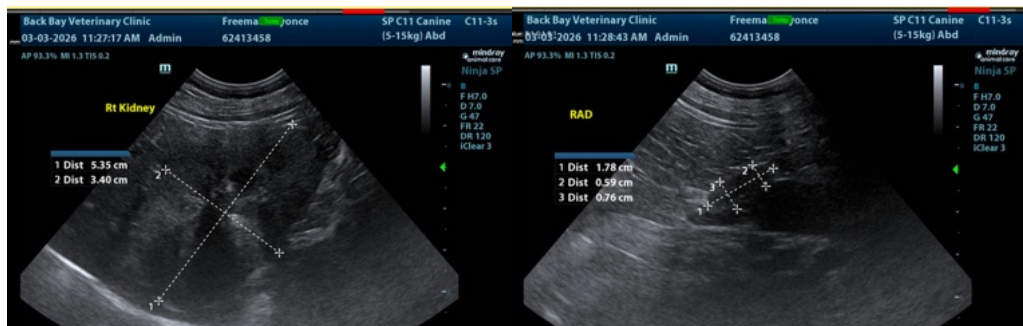
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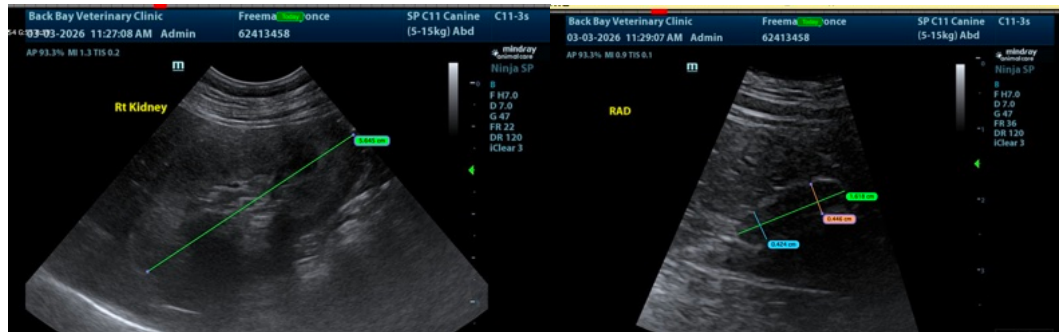
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Kim Radway, DVM, DABVP (Canine/ Feline)

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