



**PATIENT**

Baby Girl Murray

**SPECIES**

Feline

**BREED**

Domestic Shorthair

**SEX**

Female Spayed

**AGE**

5 year

**WEIGHT**

**PRESENTING CLINICAL SIGNS**

History: Inappropriate urination.

Current meds: Gabapentin, Onsior, Zeniquin

Abnormal PE/Chem/CBC/UA Results: USG 1.056, struvites

**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 is normal size (4.19 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 is normal size (4.48 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 (0.35 cm width). Normal shape and glandular echogenicity. The phrenicoabdominal vein and surrounding vasculature are normal.

The region of the right adrenal gland was evaluated. No obvious pathology was observed.

*Spleen*

The spleen is normal in size (0.78 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.

*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 gall bladder is of normal contours and contains some dependent echogenic debris. The wall is normal in thickness. No choleliths are observed. The cystic and common bile ducts are normal.

*Gastrointestinal*

The stomach and intestine are free of stasis and exhibit normal peristaltic activity. The gastric lumen is not distended. 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 not dilated. The small intestinal wall is normal to borderline thickened (up to 0.30 cm) with a normal layering pattern and appropriate mural detail. There is disruption in the normal 1:3 muscularis to mucosal ratio with a 1:1 ratio in some

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

**IMAGING PERFORMED BY**

Shari Reffi CVT

**HOSPITAL NAME**

Tranquility Veterinary  
Clinic

**REFERRING VET**

Dr. Christensen

**INVOICE**

11914kk

**DATE**

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segments. Discreet masses are not identified. The colonic wall is normal. There is no evidence of an obstructive pattern.

## Pancreas

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The region of the pancreas is isoechoic relative to surrounding omental fat. No obvious parenchymal abnormalities are observed. There is no evidence of regional inflammation or effusion.

## Free Abdomen

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The peritoneal cavity is normal. There is no evidence of inflammation or effusion. The abdominal lymph nodes are normal/not visible.

## ULTRASONOGRAPHIC FINDINGS

## SEX

Female Spayed

## Primary Findings:

\*\*An obvious cause for the inappropriate urinations is not identified in this study. Considerations include urinary tract infection, idiopathic cystitis, underlying metabolic issue, behavioral problem, and other.

## AGE

5 year

## Secondary Findings:

- Bowel pattern consistent with inflammatory bowel disease with potential for emerging lymphoma.

## WEIGHT

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

- Regarding the inappropriate urinations, a urine culture and sensitivity as well as baseline lab work (CBC, chemistry panel, T4) is recommended if not already performed.
- If the patient develops gastrointestinal signs, further work up may be warranted.

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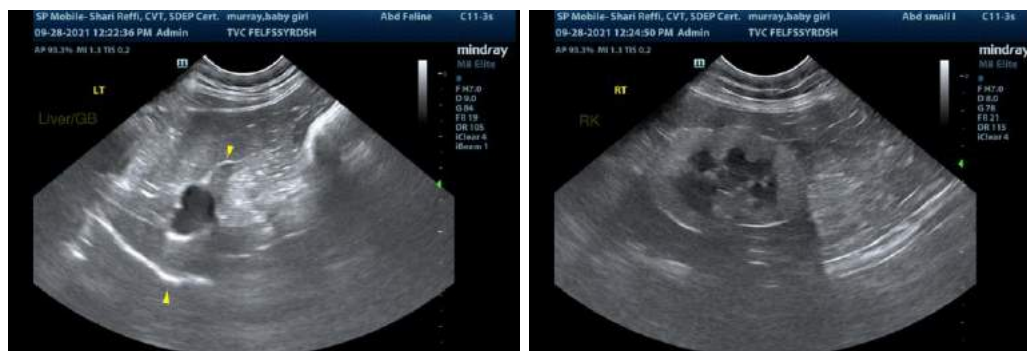
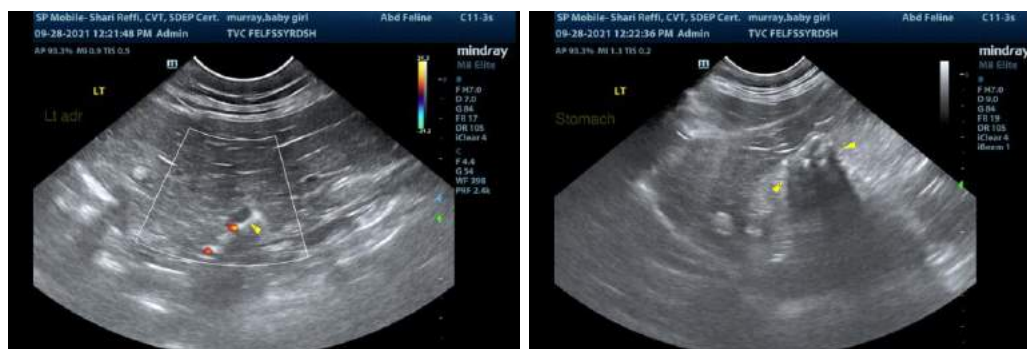
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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