



## PATIENT PRESENTING CLINICAL SIGNS

**Maisie Thomson** History: Recurrent UTI and Abx. Intermittent urine dribbling. Licking area. Currently on antibiotic. P is BAR eating drinking normal. No hx of V/D

## SPECIES

Canine

Abnormal PE/Chem/CBC/UA Results: Urine spg >1.050 latest urine BCS no growth. Rads unremarkable  
No chem or CBC noted

## BREED

Scottish Terrier

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

## SEX

Female Spayed

### Urinary System

The urinary bladder wall is normal in thickness. The mucosal surface is smooth. The bladder is moderately distended. Luminal contents are anechoic. No cystic calculi are observed. The region of the trigone and visible portion of the proximal urethra are normal.

## AGE

1 year 10 mos

The left kidney is normal in size (4.77 cm in length) with a normal shape, architecture and 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.

## WEIGHT

9.7 kg

The right kidney is normal in size (4.53 cm in length) with a normal shape, architecture and 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.

### Adrenal Glands

The left adrenal gland is normal in size (0.33 cm at cranial pole) (0.33 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

The right adrenal gland is normal in size (0.37 cm at cranial pole) (0.38 cm at caudal pole) with a normal shape and homogenous parenchyma. The glandular echogenicity and detail are unremarkable. Capsule, cortex, and medullary definition are normal. The phrenicoabdominal vein and surrounding vasculature are normal.

## INTERPRETED BY

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

## IMAGING PERFORMED BY

Dr Caroline Tan

### Spleen

The spleen is normal in size (1.22 cm in width at the level of the hilus) with a normal capsular contour. The parenchyma is subtly heterogenous in appearance. No focal lesions are observed. Splenic vasculature is normal.

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Signal Hill  
Animal Clinic

### 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.

## REFERRING VET

Dr Michael Sweet

The gallbladder lumen is moderately distended. The wall is thin and smooth. Luminal contents are anechoic. The cystic and common bile ducts are normal/not seen.

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### Gastrointestinal

The gastric lumen is not distended. The gastric wall is normal in thickness with a normal layering pattern. The duodenal is mildly fluid-distended and hypomotile. The duodenal wall is normal in thickness with a normal layering pattern and appropriate mural detail. The jejunal lumen is empty. The jejunal walls are normal to mildly thickened (up to 0.34 cm). There is disruption in the normal 1:3 muscularis: mucosal ratio. Discreet masses are not identified. The colonic wall is normal. There is no obvious evidence of an

## DATE

11-19-25



**PATIENT** obstructive pattern.

Maisie Thomson

**Pancreas**

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.

**SPECIES**

Canine

**Lymph Nodes**

The abdominal lymph nodes are normal/not visible.

**BREED**

Scottish Terrier

**Free Abdomen**

The peritoneal cavity is normal. There is no evidence of inflammation or effusion.

**SEX**

Female Spayed

**ULTRASONOGRAPHIC FINDINGS**

**Primary Findings**

**AGE**

1 year 10 mos

- The splenic parenchymal changes are most consistent with a benign process such as lymphoid hyperplasia, extramedullary hematopoiesis, splenitis or antigenic stimulation with a low possibility of infiltrative neoplasia (i.e., lymphoma, mast cell neoplasia).

**WEIGHT**

9.7 kg

- The small intestinal wall changes are suggestive of inflammatory bowel disease. However, correlation with the patient's clinical history is recommended. Mild duodenal ileus, the significance of which is unclear.

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\*An obvious cause for the patient's clinical signs is not definitively identified in this study. Considerations include ectopic ureters or other congenital/structural issue, reduced patient immunity, other.

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Dr Caroline Tan

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

- A CBC, chem, and T4 are recommended to assess overall metabolic function.
- Evaluation of the external genitalia is also recommended to assess for predisposing factors (i.e., recessed vulva).
- Ultimately, a contrast abdominal CT scan +/- cystoscopy may be indicated to evaluate for ectopic ureters and other pathology.

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**PATIENT**

Maisie Thomson

**SPECIES**

Canine

**BREED**

Scottish Terrier

**SEX**

Female Spayed

**AGE**

1 year 10 mos

**WEIGHT**

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**HOSPITAL NAME**

Signal Hill  
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**REFERRING VET**

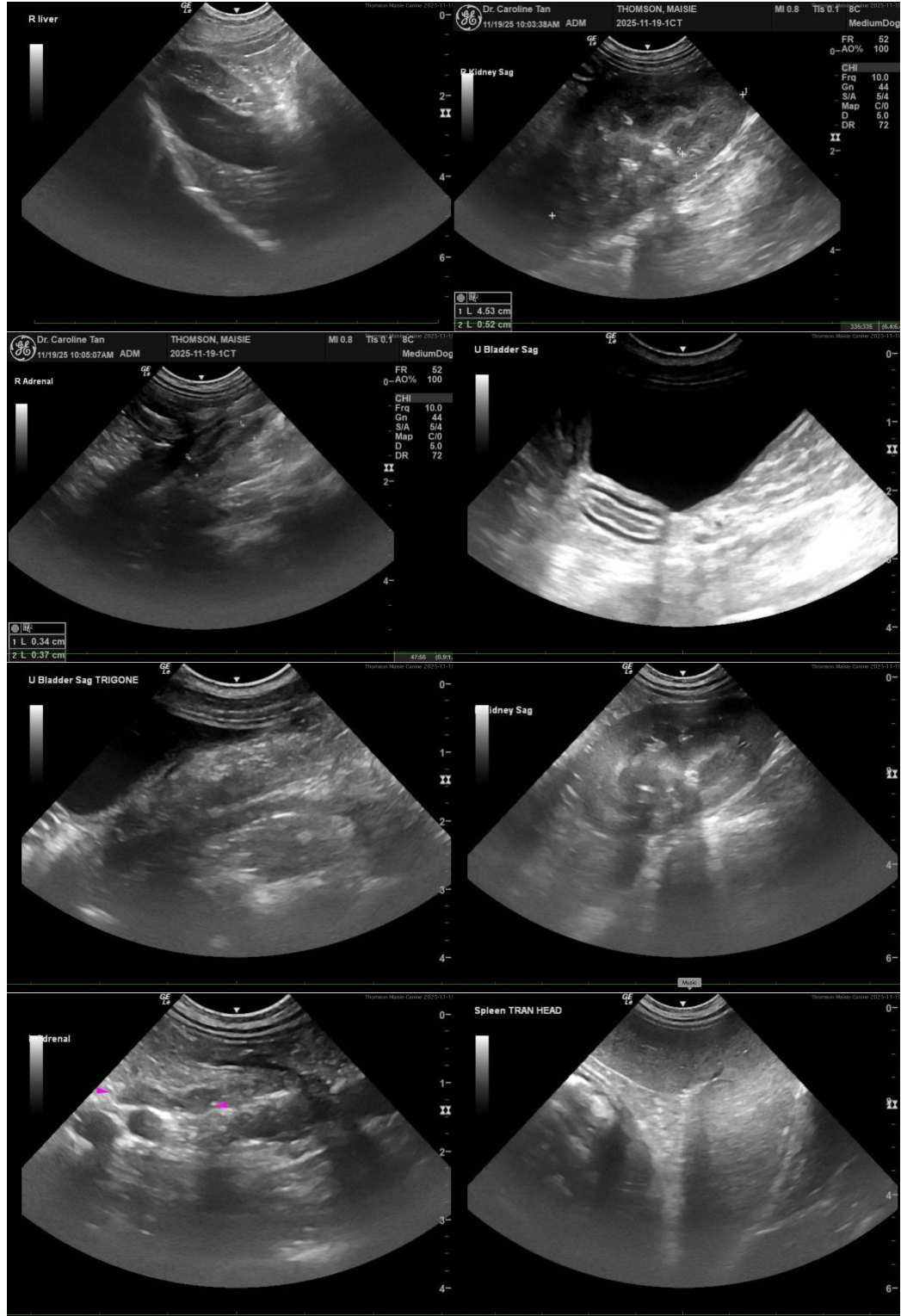
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## PATIENT

Maisie Thomson

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

Scottish Terrier

**Andrea Nicastro**, MPH, DVM, Diplomate DACVIM (Small Animal Internal Medicine)  
[info@SonoPath.com](mailto:info@SonoPath.com)

## SEX

Female Spayed

## AGE

1 year 10 mos

## WEIGHT

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