



**PATIENT PRESENTING CLINICAL SIGNS**

Maxine Tomsovic PU/PD, urinary incontinence, historical, improved on DES (1mg: 1/2 Q 48 hours). USG 1.014

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

Canine

**Urinary System**

The urinary bladder was normal in size and tone. The trigone, cystourethral junction, and visible pelvic urethra to a depth of 3 cm exhibited normal thickness and tone. Subjective potential for mild generalized prominent bladder walls exhibiting asymmetrical luminal surface contour with intermittent small apical polyps, an example measuring 0.29 cm was present. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal.

**BREED**

Golden Retriever

**SEX**

FS

Normal size and margination were present in the kidneys. 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 7.3 cm in length. The right kidney measured 6.8 cm in length.

**AGE**

4yr

The area of the aortic trifurcation was free of pathology.

**WEIGHT**

80lb

**Adrenal Glands**

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.49 cm width at the caudal pole and 0.46 cm width at the cranial pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.62 cm width at the caudal pole and 0.55 cm width at the cranial pole. No evidence of adrenomegaly or tumors.

**INTERPRETED BY**

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

**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.

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

**HOSPITAL NAME**

Pine Banks Animal Hospital

**Liver**

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. The hepatic and portal vasculature were normal in appearance without signs of congestion. The gallbladder was non-distended in size with thin walls and primarily anechoic luminal content with mild non-dependent echogenic debris. No evidence of gallbladder or peripheral gallbladder inflammation was present. The cystic and common bile ducts were normal.

**REFERRING VET**

Dr. Syed

**Gastrointestinal**

**INVOICE**

12353ag

The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach was empty with no signs of ileus, obstruction or foreign material.

**DATE**

12/5/2022

The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

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



**PATIENT**

**Pancreas**

Maxine Tomsovic

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.

**SPECIES**

Canine

**Free Abdomen**

No omental masses or peritoneal effusion was present.

**BREED**

Golden Retriever

Intermittent focal, mildly prominent to enlarged medial iliac lymph and mesenteric nodes were present. The lymph nodes were essentially isoechoic to adjacent omentum without evidence of peripheral inflammation and maintaining a normal width: length ratio (<0.5). An example of a lymph node measured 3.0 cm x 0.59 cm.

**SEX**

FS

**ULTRASONOGRAPHIC FINDINGS**

- Mild micropolyploid cystitis pattern
- Sonographically unremarkable kidneys/adrenal glands
- Normal liver
- Mild gallbladder debris (non-mucocele)
- Intermittent minor benign/reactive incidental mesenteric and medial iliac lymphadenopathy

**AGE**

4yr

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**WEIGHT**

80lb

Overall, no overt evidence of significant abdominal visceral specifically upper/lower urinary tract pathology was noted. Urine C/S on a sterile urine sample +/- leptospirosis titer/PCR if clinically indicated. No evidence of hepatic/adrenal pathology was present in this study. Continued empirical therapy for incontinence is recommended.

**INTERPRETED BY**

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 DABVP (Canine and Feline)

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**REFERRING VET**

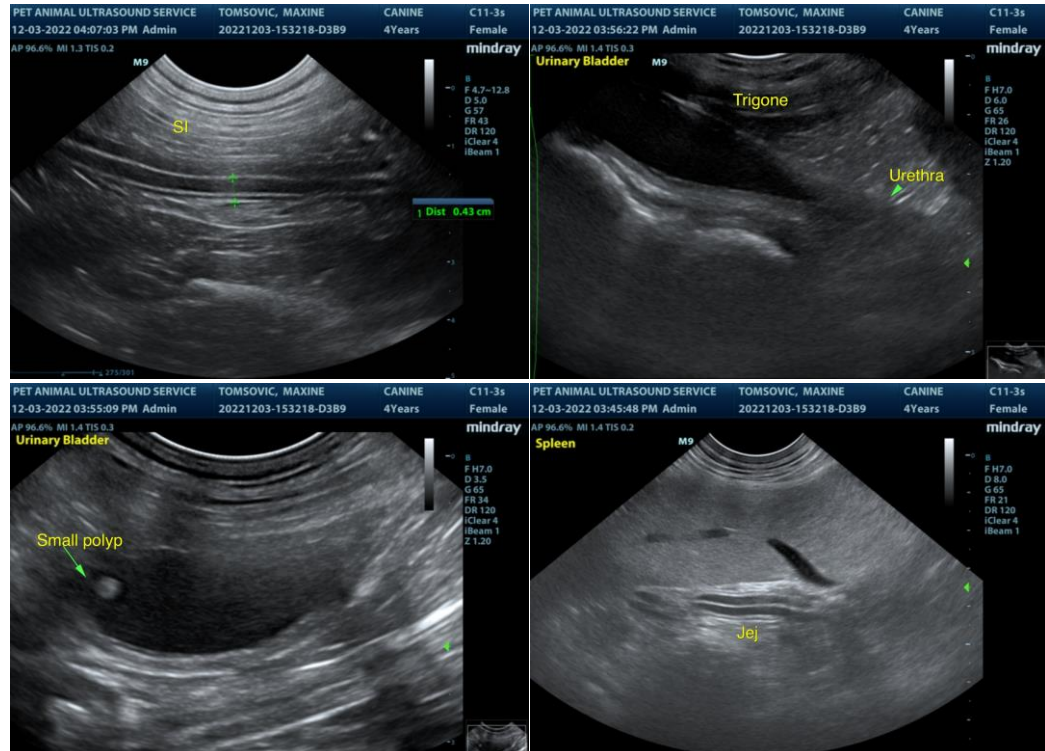
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**PATIENT**

Maxine Tomsovic

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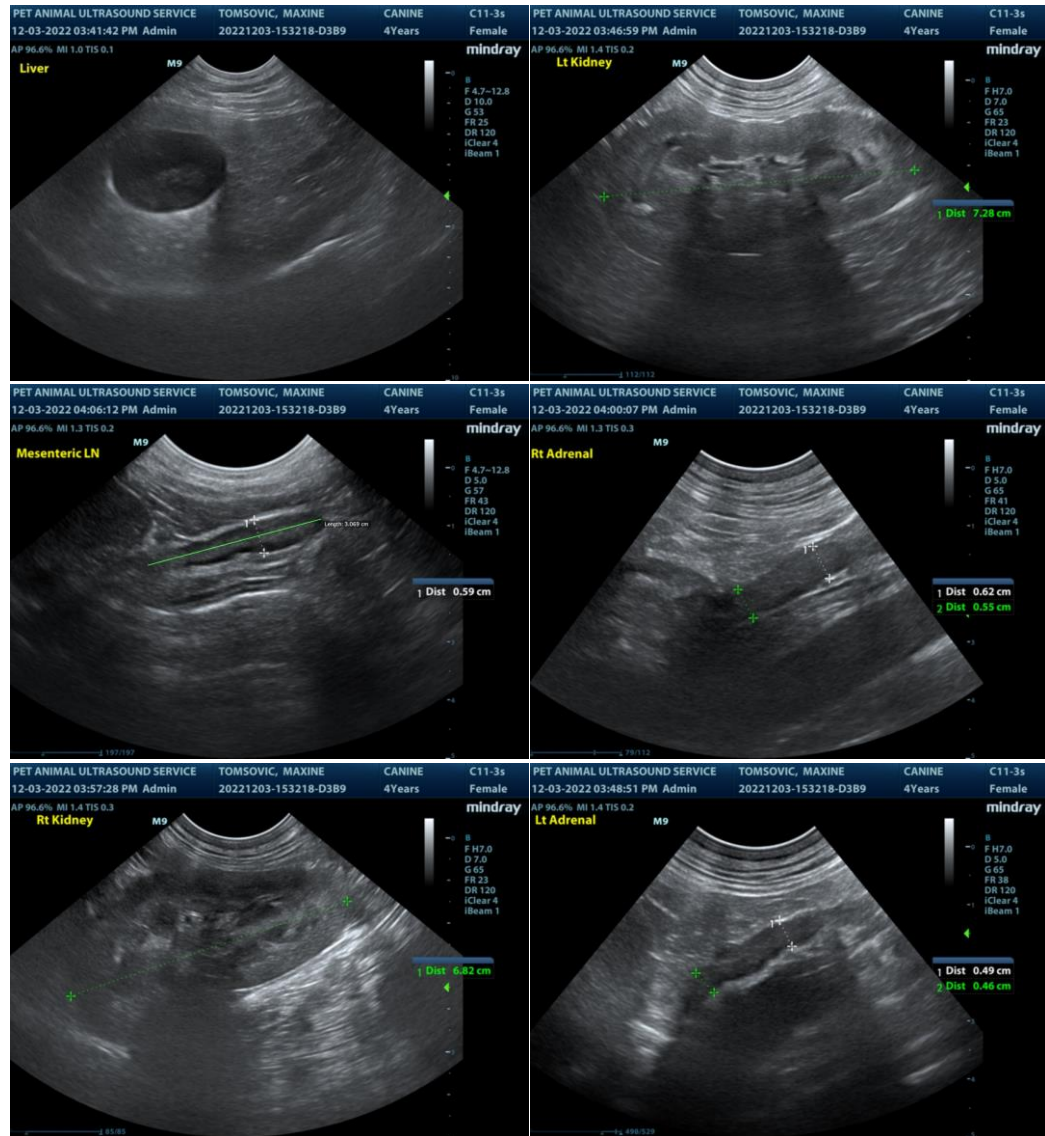
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**DATE**

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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.

R. McKenzie Daniel, DVM, DABVP (Canine / Feline Practice)

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