



PATIENT

Clover Ferguson

SPECIES

Canine

BREED

Irish Water Spaniel

SEX

Female Spayed

AGE

4y 11mon 1wk

WEIGHT

27 kgs

INTERPRETED BY

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

IMAGING PERFORMED BY

Dr. Jill Rankin

HOSPITAL NAME

Royal Loop VC

REFERRING VET

Dr. Jodi

INVOICE

13247

DATE

3/4/26

PRESENTING CLINICAL SIGNS

History:

- The patient presenting with a primary history of urinary retention, and possible caudal mammary tissue enlargement and perineum may be a bit more "full" in appearance (according to owner).
- The owner reports observing the dog posturing as if to urinate without successfully eliminating urine. Following these attempts, the dog reportedly licks her perineal area. On recent laboratory results showed a mild elevation in ALP and a urine specific gravity (USG) of 1.009. The patient is noted to be on Proin. A Ddx being considered is ovarian remnant syndrome vs over conditioning vs proin use resulting in abnormal holding of urine vs open.
- Additionally, the dog is reported to have a constant fishy smell (according to owner).

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and cystourethral junction exhibited normal thickness and tone. Normal proximal urethral structure with mild decreased tone to a depth of 4.0 cm. No evidence of obstruction to urinary bladder or urethral outflow. 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. No evidence of inflammatory or neoplastic changes were noted.

The area of the uterine remnant was free of pathology.

No evidence of left or right ovarian remnant visualized.

The area of the aortic trifurcation was free of pathology.

Normal size and margination was 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 6.6 cm in length. The right kidney measured 7.0 cm in length.

Adrenal Glands

The left adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.50 cm width at the caudal pole. The right adrenal gland was uniform in size and contour with a uniformly hypoechoic parenchyma. The right adrenal gland measured 0.54 cm width at the caudal pole.

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.



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Liver

The liver was subjectively normal in size, structure, and contour with normal vascular volume. 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. The cystic and common bile ducts were normal.

Gastrointestinal

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.

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.

Pancreas

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.

Free Abdomen

Intermittent, normal to mildly prominent homogeneous mesenteric lymph nodes were present. Considered incidental without evidence of inflammatory or neoplastic criteria. Scant caudal abdomen to pericyclic effusion considered incidental or physiologic without evidence of caudal abdomen or pericyclic inflammation and assuming normal albumin levels.

ULTRASONOGRAPHIC FINDINGS

- Sonographically normal urinary bladder, visible proximal urethra with mild decreased urethral tone
- Normal area of uterine remnant
- Normal bilateral kidneys/adrenal glands
- Sonographically unremarkable normal volume liver – consistent with low-grade benign hepatopathy

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of lower urinary tract or uterine remnant pathology. The structurally normal yet mildly decreased proximal urethral tone may suggest incontinence. No evidence of ovarian remnant. If persistent decreased urine specific gravity, correlation with renal parameters, urine C/S on sterile urine sample and screening cortisol level may be considered.



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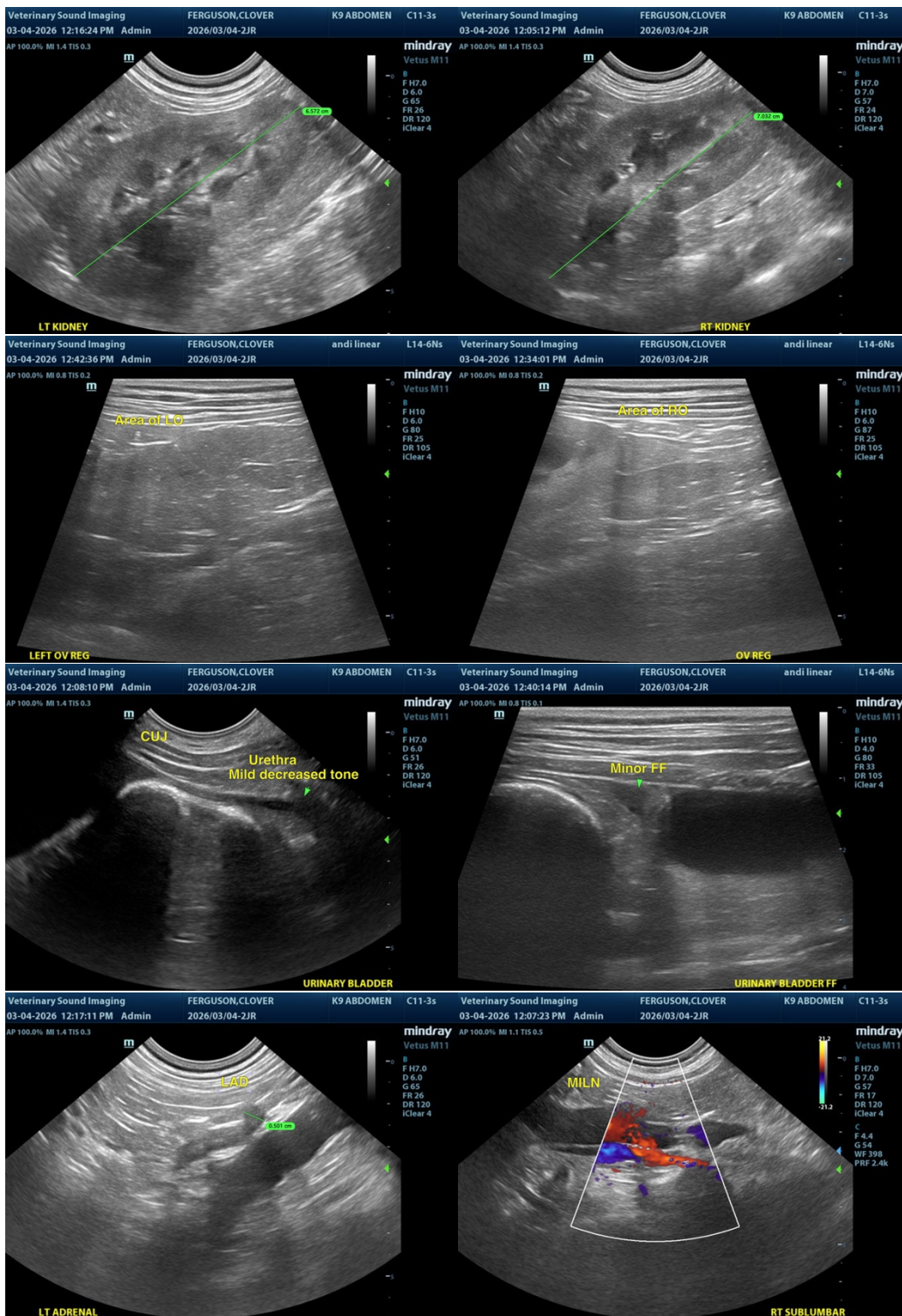
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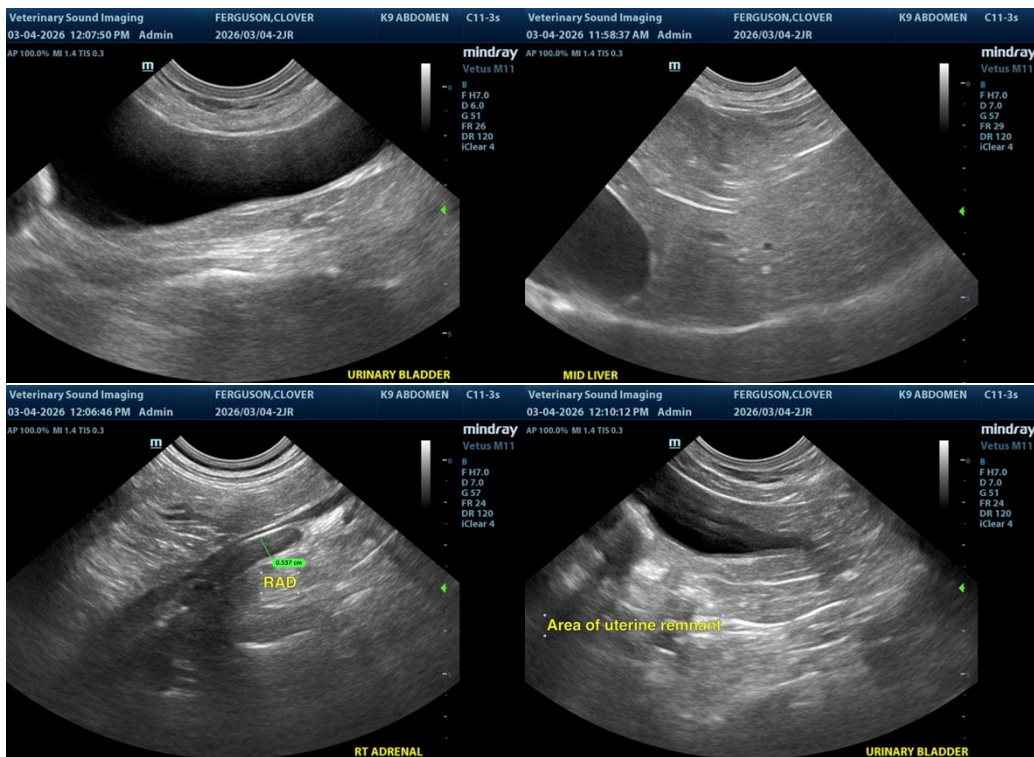
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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

info@sonopath.com