



PATIENT PRESENTING CLINICAL SIGNS

Gabana Vazquez History: Recheck ultrasound – previously diagnosed with renal dysplasia, UTI, possible pyelonephritis and ectopic ureter.

SPECIES Physical Examination: Urinary leaking on the vulva due to ectopic ureter, otherwise well.

Canine Urinalysis: SG 1.005, culture pending.

BREED CBC: N/A.

French bull dog Serum Biochemistry: Normal.

Radiographic Findings: N/A.

SEX

Intact Female

AGE

16 months

WEIGHT

21 #

INTERPRETED BY

Remo Lobetti, BVSc,
MMedVet (Med), PhD,
Dipl. ECVIM

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Empty urinary bladder with a normal thickness (0.3 cm) and appearance of the wall. Small amount of sediment. No uroliths evident.

Normal trigone area, proximal urethra, and iliac blood vessels.

Normal iliac lymph nodes (left 0.6 cm, right 0.4 cm). Ureters not visualized.

Normal renal size (left 3.9 cm, right 4.3 cm) with irregular shape, increased echogenic appearance, loss of cortico-medullary differentiation, pyelectasia (both 0.5 cm), and irregular capsule.

Reproductive System

Normal appearance and size of the uterus (0.5 cm).

Adrenal Glands

Normal shape, position, echogenic appearance, and size. Left 0.43 cm, right 0.32 cm.

Spleen

Normal size (1.4 cm) and echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness (0.1 cm) and appearance of the gall bladder wall. Normal bile duct.

Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.38 cm, duodenum 0.53 cm, jejunum 0.27 cm, colon 0.14 cm) and peristaltic activity and no distension of the lumen.

IMAGING PERFORMED BY

Dr Gabriel Ferrer, DVM

HOSPITAL NAME

Paseos Veterinary Center

REFERRING VET

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PATIENT *Pancreas*

Gabana Vazquez Normal size (right 1.1 cm, left 1.2 cm) and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine No mesenteric lymphadenomegaly.
No ascites.

BREED

French bull dog

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Renal disease.

Secondary Findings:

- Urinary bladder sediment.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the kidneys is consistent with chronic kidney disease and with the age of the patient, renal dysplasia would be highly likely with differential diagnoses being previous acute kidney injury, Leptospirosis, bacterial nephritis, and pyelonephritis. The appearance of the kidneys on this ultrasound is similar to the previous ultrasound.

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An ectopic ureter was not visualized on this ultrasound – most likely as the urinary bladder was void of urine.

Further assessment would be UPC, if the pending culture is negative, and blood pressure. Retrograde vaginogram or contrast CT can be considered to fully assess the ectopic ureter.

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Although there is no azotemia, feeding a renal diet would be recommended. If the UPC is >0.5, then an ACE inhibitor/receptor blocker would be indicated. Correction of the ectopic ureter is indicated as with time this will result in an ascending infection, which will further compromise renal function.

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PATIENT

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SPECIES

Canine

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IMAGES

Left kidney



Right kidney



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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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