



PATIENT PRESENTING CLINICAL SIGNS

Apollo Folch History: Referred for ultrasound for evaluation of anemia and azotemia.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.040, rest pending.

Fecal Analysis: Negative

BREED CBC: Low hemoglobin.

Great dane Serum Biochemistry: Azotemia. Negative 4Dx.

SEX Radiographic Findings: N/A.

MN

AGE ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

4 years

Urinary System

Small urinary bladder with an irregular thickening (0.7 cm) of the wall. Normal anechoic urine with no sediment or uroliths evident.

WEIGHT Normal trigone area, proximal urethra, and iliac blood vessels.
130.6 #

Enlarged iliac lymph nodes (left 1.6 x 3.1 cm, right 1.5 x 4.1 cm). Ureters not visualized.

INTERPRETED BY

Remo Lobetti, BVSc,
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Dipl. ECVIM

Normal renal size (left 8.5 cm, right 8.9 cm) with a mottled echogenic appearance, some loss of cortico-medullary differentiation, and irregular capsule. Mid bilateral pyelectasia (both 0.26 cm). Renal lymphadenomegaly (3.7 cm, 3.1 cm) with normal shape and echogenic appearance.

Reproductive System

Small hypoechogenic prostate (1.5 cm).

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 0.65 cm, right 0.53 cm.

Spleen

Normal size (1.8 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. Small gall bladder containing normal anechoic bile. Normal thickness (0.2 cm) and echogenic appearance of the gall bladder wall. Normal bile duct.

IMAGING PERFORMED BY

Dr Gabriel Ferrer, DVM

HOSPITAL NAME

Paseos Veterinary Center

REFERRING VET

Dr Yolanda Sierra

INVOICE

302981

DATE

5/23/22



PATIENT *Gastrointestinal*

Apollo Folch Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.38 duodenum 0.33 cm, jejunum 0.4 cm, colon 0.16 cm) and peristaltic activity and no distension of the lumen. Ingesta within the stomach.

SPECIES

Canine *Pancreas*

BREED

Great dane Normal size (right 1.1 cm) and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

SEX

MN

AGE

4 years

WEIGHT

130.6 #

Mesenteric lymphadenomegaly (1.5 x 4.3 cm) with normal shape and echogenic appearance. No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Renal disease.
- Cystitis.
- Mesenteric and iliac lymphadenomegaly.

Secondary Findings:

- None.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the kidneys would be bacterial nephritis, pyelonephritis, acute kidney injury, leptospirosis, and renal dysplasia.

The most likely etiology for the urinary bladder would be chronic cystitis with granulomatous reaction less likely, and neoplasia, an unlikely diagnosis.

The most likely etiology for the lymphadenomegaly would be reactive with lymphadenitis and infiltrative neoplasia differential diagnoses.

Further assessment would be urine culture, urine sediment cytology, *Leptospira* titers/PCR and FNA cytology of the mesenteric lymph nodes. Renal biopsy may be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis.

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PATIENT

Apollo Folch

IMAGES

Left kidney

SPECIES

Canine

BREED

Great dane

SEX

MN

AGE

4 years

WEIGHT

130.6 #

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PATIENT

Mesenteric lymph nodes

Apollo Folch

SPECIES

Canine

BREED

Great dane

SEX

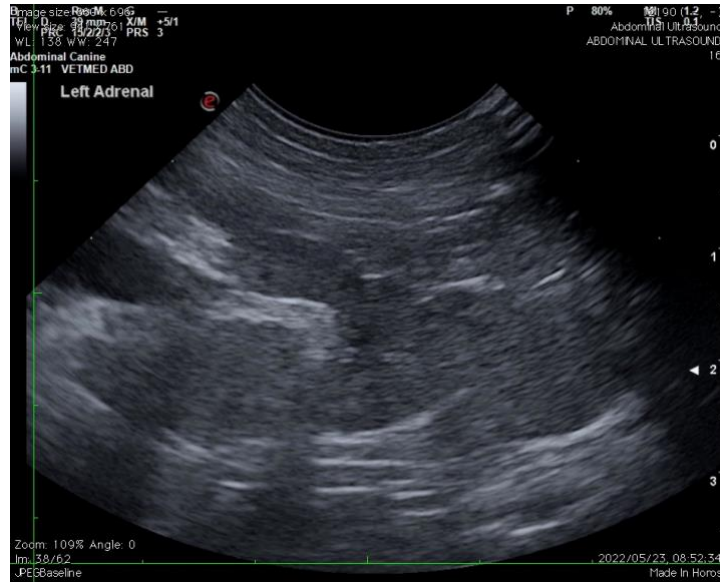
MN

AGE

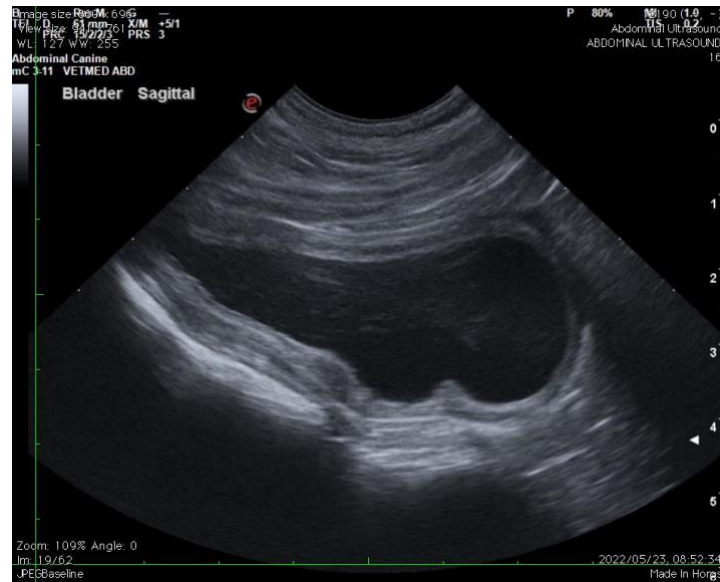
4 years

WEIGHT

130.6 #



Urinary bladder



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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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