



PATIENT

Maya Pack

SPECIES

Canine

BREED

Great Pyrenees

SEX

Female

AGE

10

WEIGHT

31

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Valentina Fresta

HOSPITAL NAME

The Veterinary Surgery

REFERRING VET

Dr. Valentina Fresta

INVOICE

44243

DATE

1/15/23

PRESENTING CLINICAL SIGNS

Presented for watery discharge from the vagina since the last few months. Now is happening more often ,3,4 times per week. The discharge is abundant and transparent and no smell in obvious; the owner is not sure if it is urine or something else. Maya was spayed more than 9 years ago and since then no bleeding or vaginal discharge has been obvious. Otherwise very happy in herself, eating and drinking as usual, being very affectionate to the owner. The dog lives indoors and she is the only child. Fully vaccinated no other findings in the history. At the Clinical examination BAR. MMC are pink. incipient cataract, however, does not seem to affect her vision at the moment. Moderate tartar no gingivitis.HR 140 and RR 28. Heart and lung sound clear. Abdomen soft not obvious mass or discomfort noticed during the palpation. The owner preferred to collect the urine by free catch rather than cystocentesis. We sent the urine for microbiology and culture. results are still not available.

Abnormal PE/Chem/CBC/UA Results: The CBC reveals moderate polycythemia PDWc 37.2 percent and PCT 0.28 percent. Biochemistry confirms parameter in the normal average.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder** presented normal thicknesses and normal tone. The ureters were not visible which is normal. No uroliths or sediment were visualized, and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. The urethra was not visualized. Ureteral papillae were normal.

The **left kidney** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortex presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsule was acceptably uniform without significant irregularities. The left kidney measured 6.5 cm.

The **right kidney** was visualized obliquely and measured approximately 6.0 cm.

Adrenal Glands

The **right adrenal gland** was visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient. The right adrenal gland measured 5.0 mm.

The region of the **left adrenal gland** was imaged, no evident pathology.

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

Liver

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic



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lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

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Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

BREED

Great Pyrenees

Pancreas

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

SEX

Female

Other

The regions of the ovaries and uterus were imaged, no overt pathology.

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ULTRASONOGRAPHIC FINDINGS

- Structurally unremarkable abdomen

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

INTERPRETED BY

Eric Lindquist, DMV

No evidence of pathology. Vaginoscopy indicated with cytology and culture. No evidence of pyometra or lower urinary tract disease. I cannot rule out urethral pathology in this patient. Further imaging (SDEP #3) of the pelvic urethra would be indicated.

DABVP, Cert. IVUSS

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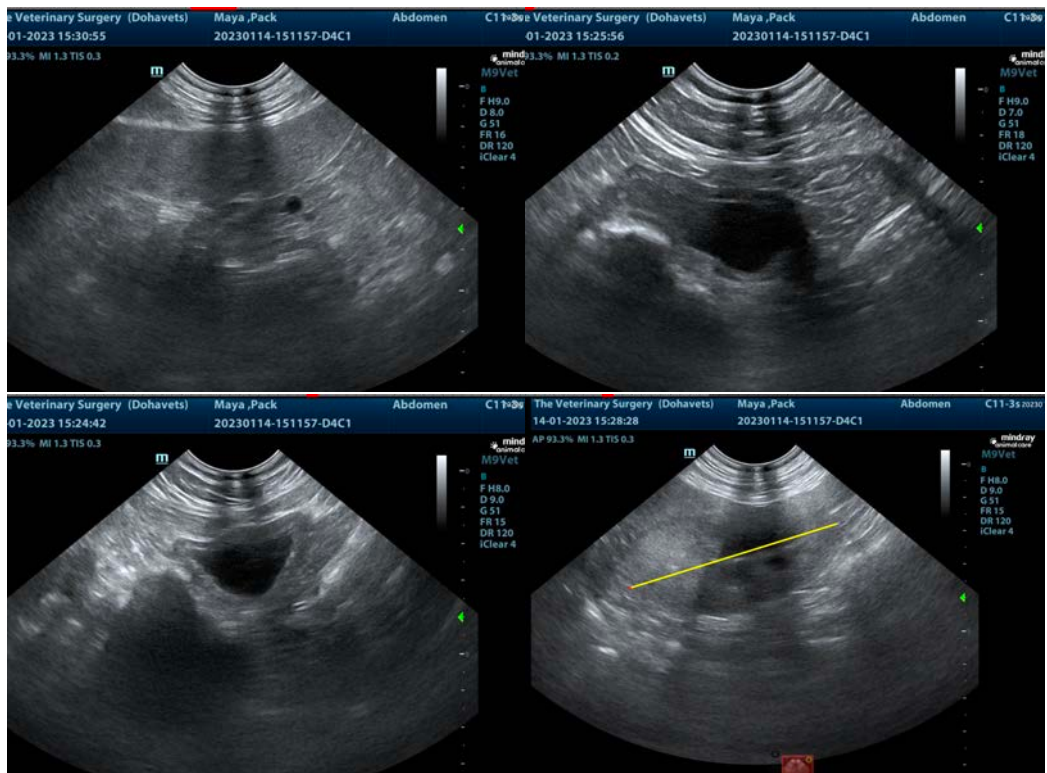
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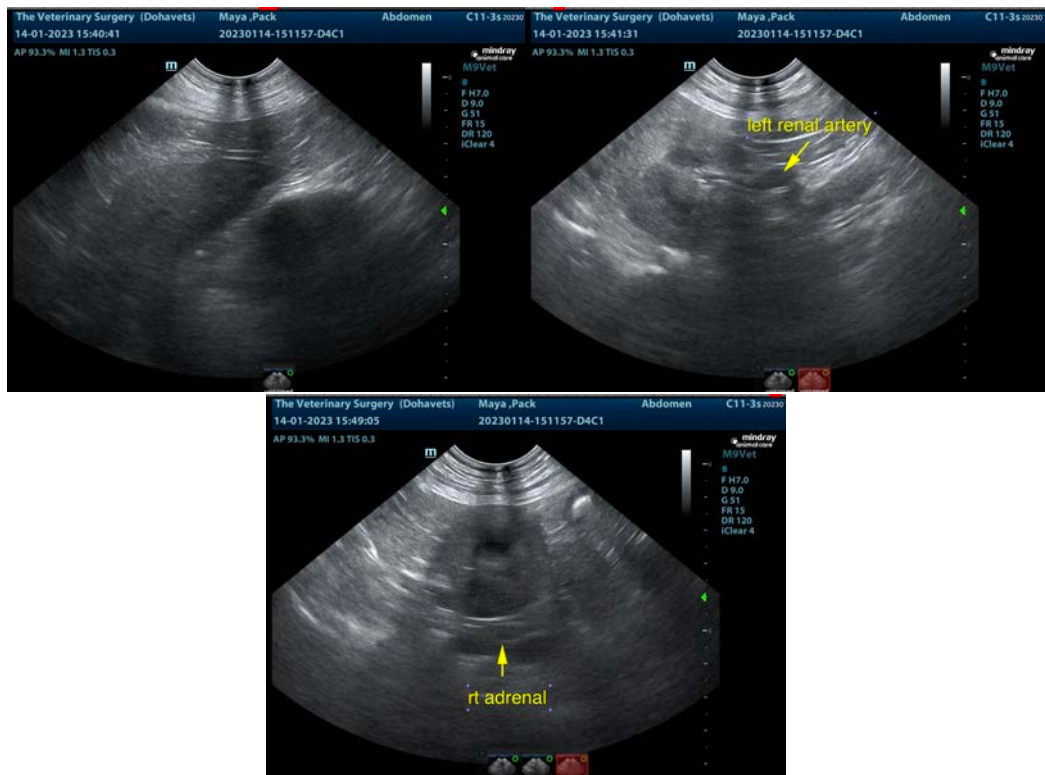
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com

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