



PATIENT

Coco Mediterraneo

PRESENTING CLINICAL SIGNS

Recurrent hematuria without bacteria. Bladder rad nsf. On glucosamine and Paxon (cranberry)
Abnormal PE/Chem/CBC/UA Results: USPG 1.026

SPECIES

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

BREED

Miniature Pinscher

The **urinary bladder** revealed a minimal amount of urine present with irregular wall thickening. A polypoid mass was noted. There was a minimal amount of urine present at the time of the sonogram. The mass measured 1.5 x 1.0 cm. Focal areas of mineralization were noted. This is strongly suggestive for carcinoma. The left ureter appeared obstructed.

SEX

Spayed Female

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for this age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The right kidney measured 4.08 cm. The left kidney measured 3.71 cm. Blood flow to the kidneys appeared to be adequate.

AGE

12 years

WEIGHT

9.7 lbs

Adrenal Glands

Both **adrenal glands** were 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 left adrenal gland measured 1.64 x 0.39 cm at the caudal pole and 0.49 cm at the cranial pole. The right adrenal gland measured 1.35 x 0.58 cm at the caudal pole and 0.69 cm at the cranial pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING

PERFORMED BY

Diane McFadden, RVT

Spleen

The **spleen** in this patient was mildly enlarged with uniform parenchyma and was folded upon itself. This is a positional variant and is not pathological. There was no evidence of significant disease.

HOSPITAL NAME

Wantage

Liver

INVOICE

95655

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 in this patient was over distended with striating bile and an echogenic thickened wall with mildly, enhanced surrounding mesentery. This is consistent with gallbladder mucocele with slight inflammatory pattern at the neck of the gallbladder. The common bile duct was normal in width at 0.3 cm, but echogenic debris/mucous was noted.

DATE

2/1/22

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



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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

SPECIES

Pancreas

Canine

The **pancreas** was heterogenous on the right limb.

BREED

Miniature Pinscher

ULTRASONOGRAPHIC FINDINGS

Gallbladder mucocele with mucoduct.

SEX

Spayed Female

Bladder mass, suspect carcinoma.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 years

Cholecystectomy and common bile duct lavage is warranted. Cystoscopy and biopsies would be warranted to confirm the suspicion of carcinoma. The left ureter appeared obstructed. Free catch urine with cytospin can be considered. Assessment for abnormal transitional cells is recommended. Ideally urethral +/- ureteral stents may be necessary with cholecystectomy. Some palliative therapy with Ursodiol can be considered regarding the gallbladder. However, this appears to be a surgical mucocele as opposed to medical. The prognosis is guarded to poor depending on the ability to intervene and manage the bladder and gallbladder presentation.

WEIGHT

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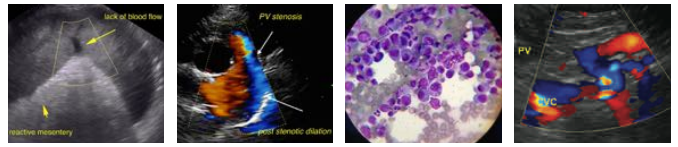
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

SPECIES

Canine

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.

BREED

Miniature Pinscher

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