

PATIENT

Gracie Smith

SPECIES

Canine

BREED

Havanese

SEX

FS

AGE

12 years

WEIGHT

11.4 #

INTERPRETED BY

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

IMAGING PERFORMED BY

Lara Wiseman, DVM

HOSPITAL NAME

Heron Lakes Animal
Hospital

REFERRING VET

Dr Lera

INVOICE

303906

DATE

2/17/23

PRESENTING CLINICAL SIGNS

History: Hematuria.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance of the wall. Moderate amount of floating hyperechogenic sediment with no uroliths evident.

Normal trigone area, proximal urethra (0.3 cm), and iliac blood vessels.

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 3.1 cm, right 4 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

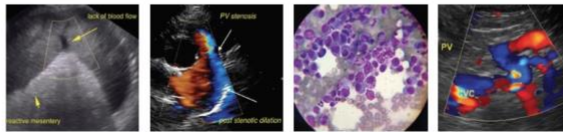
Normal echogenic appearance and position. Mildly flattened shape and size at the lower end of normal. Left 0.36 cm, right 0.36 cm.

Spleen

Normal size (0.9 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size with a hyperechogenic and nodular appearance, some loss of portal markings, and regular curvilinear capsule. Nodules are hypoechogenic, parenchymal, and up to 0.8 cm in size. No masses evident. Full gall bladder containing moderate amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.



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Gastrointestinal

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.36 cm, jejunum 0.37 cm) and peristaltic activity, and no distension of the lumen.

Pancreas

Normal size (right 0.9 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

No mesenteric lymphadenomegaly.
No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary findings:

- Urinary bladder sediment.
- Nodular hepatopathy.
- Small adrenal glands?

Secondary findings:

- Gall bladder sediment.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS IMAGES

Etiologies for the urinary bladder sediment would be bacterial cystitis, sterile cystitis, and crystalluria.

Etiologies for the hepatopathy would be reactive, nodular hyperplasia, chronic hepatitis, granulomatous disease, and infiltrative neoplasia.

Although the appearance of the adrenal glands may be an incidental finding, Addison's disease needs to be considered.

Further assessment would be urine analysis, urine culture, basal cortisol assay, and possibly FNA cytology of the liver and ACTH stimulation test.

Specific therapy would be dependent on an etiological diagnosis.



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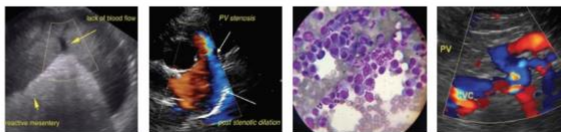
IMAGES

Urinary bladder



Liver





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Left adrenal



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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.

IMAGING PERFORMED BY

Lara Wiseman, DVM

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