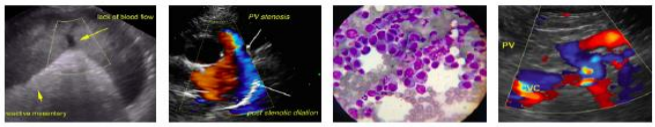


SonoPath.com
1-800-838-4268 info@sonopath.com

PATIENT

Alfie Demaio

SPECIES

Canine

BREED

Lhasa Apso

SEX

MN

AGE

10 years

WEIGHT

22.6 #

INTERPRETED BY

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

IMAGING PERFORMED BY

HOSPITAL NAME

Surfside Pet Hospital

REFERRING VET

Dr Americo Abadi

INVOICE

302989

DATE

5/24/22

PRESENTING CLINICAL SIGNS

History: Hematuria. Previous calcium oxalate uroliths removed via cystotomy – on Urinary S/O diet.

Physical Examination: Discomfort on palpation of the bladder.

Urinalysis: SG 1.043, hematuria, leucocytes, calcium oxalate crystals.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: Mineralization in bladder and kidneys.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Empty urinary bladder with a normal thickness and appearance of the wall. Multiple shadowing hyperechogenic uroliths (up to 0.5 cm in size) evident.

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 5 cm, right 5.1 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis, and capsule. Small urolith in the left pelvis/proximal urethra.

Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 2.01 x 0.53/0.53 cm, right 2.09 x 0.49/0.59 cm.

Spleen

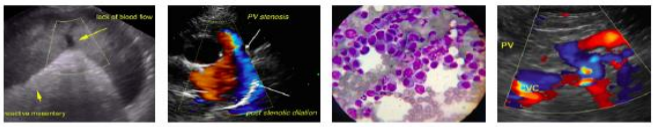
Normal size and echogenic appearance. Smooth homogenous parenchyma, regular capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Normal size, echogenic appearance, portal markings. No nodules or masses evident. Full gall bladder containing small amount of non-adherent hyperechogenic sediment. Normal appearance and thickness 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 and peristaltic activity, and no distension of the lumen.



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Pancreas

Normal size 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:

- Uroliths.
- Renolith.

Secondary Findings:

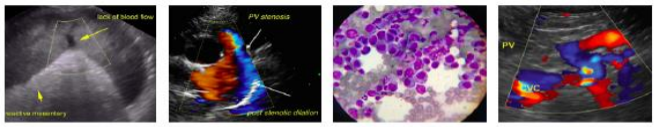
- Age-related renal changes.
- Gall bladder sediment.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

From the history and presence of calcium oxalate crystalluria, the uroliths and renolith would be of a similar composition.

Further assessment would be serum calcium and ionized calcium assay.

Once that dietary adherence has been ensured, additional therapy that can be considered would be to increase water intake, potassium citrate, and thiazide diuretics. Cystotomy can also be considered.



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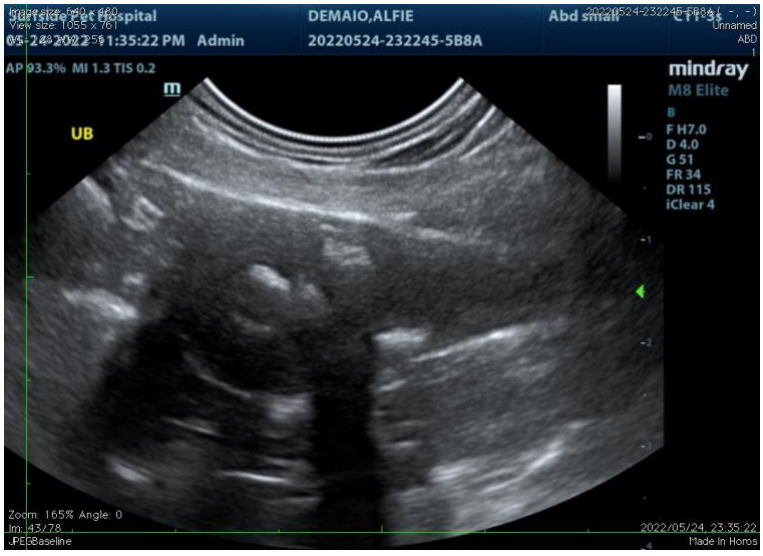
IMAGES

Left kidney

Urinary bladder



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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
rlobetti@mweb.co.za