



**PATIENT**

Lizzy Saw

**SPECIES**

Canine

**BREED**

Havanese

**SEX**

FS

**AGE**

10 years

**WEIGHT**

18.7 #

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Seth Mitchell, DVM

**HOSPITAL NAME**

Treasure Coast Animal  
Emergency

**REFERRING VET**

Angela Cail

**INVOICE**

304065

**DATE**

3/31/23

**PRESENTING CLINICAL SIGNS**

History: UTI and azotemia.

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. Normal anechoic urine with no sediment or uroliths evident.

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 4.1 cm, right 3.4 cm) with increased echogenic appearance, loss of cortico-medullary differentiation, and normal pelvis and capsule.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, echogenic appearance, position, and size. Left 0.67 cm, right 0.55 cm.

**Spleen**

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

**Liver**

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident.

**Liver**

Full gall bladder with a rounded shape and containing adhered and non-adhered hyperechogenic sediment arranged in a stellate pattern. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).



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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 and peristalsis, and no distension of the lumen.

**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:

- Renal disease.
- Mucocele.

Secondary findings:

- None.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The appearance of the kidneys is consistent with chronic kidney disease, with bacterial nephritis and hypertensive nephropathy differential diagnoses or contributing factors.

Further assessment would be urinalysis, urine culture, UPC (if urine sediment and culture negative) and blood pressure.

Initial management of the renal disease would be renal diet and if needed, enteric phosphate binders. Specific therapy for the mucocele would be cholecystectomy but may respond to ursodiol.



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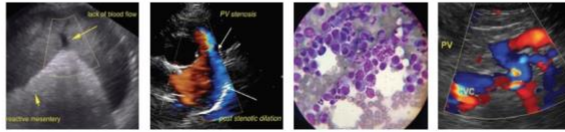
**IMAGES**

**Left kidney**



**Right kidney**





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**Gall 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.

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

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