

**PATIENT**

Sparky Giraldo

**SPECIES**

Canine

**BREED**

Rat terrier

**SEX**

Male

**AGE**

14 years

**WEIGHT**

#

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Lara Wiseman, DVM

**HOSPITAL NAME**

Calusa Veterinary  
Center

**REFERRING VET**

**INVOICE**

302530

**DATE**

8/29/21

**PRESENTING CLINICAL SIGNS**

History: Acute vomiting past 48 hours.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: Elevated ALT activity.

Radiographic Findings: Prostamegaly.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness (0.2 cm) 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 (0.87 cm). Ureters not visualized.

Normal renal size (left 5.4 cm, right 5.5 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal capsule and pelvis.

**Reproductive System**

Prostamegaly (3.1 x 4.2 cm) with a diffuse hyperechogenic and cystic appearance. Cysts are small and parenchymal. Regular capsule. Normal echogenic appearance of the peri-prostatic tissue.

Normal appearance and size of the testes. Left 1.1 x 2.5 cm, right 1.3 x 2.7 cm.

**Adrenal Glands**

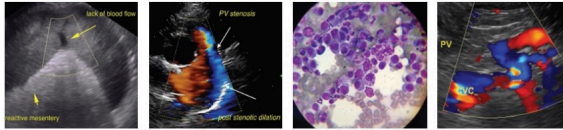
Normal shape, echogenic appearance, position, and size. Left 0.59 cm, right 0.46 cm.

**Spleen**

Normal size (1.4 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Distended gall bladder containing hyperechoic adherent sediment in a stellate pattern. Normal echogenic and thickness of the gall bladder wall. Dilated bile duct (0.64 cm).



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**Gastrointestinal**

Normal appearance of the pylorus, stomach, duodenum, small intestine, ileo-cecal junction, and colon with normal thickness (stomach 0.24 cm, duodenum 0.29 cm, jejunum 0.31 cm, colon 0.2 cm), layering, and peristaltic activity. Moderate amount of fluid within the stomach.

**Pancreas**

Normal size (right 1.2 cm) and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**Free Abdomen**

No mesenteric lymphadenomegaly.  
No ascites.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Prostatemegaly.
- Mucocele.
- Dilated bile duct.

Secondary findings:

- Age-related renal changes.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

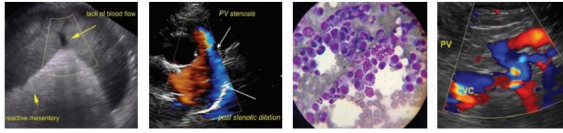
The appearance of the prostate is typical for benign prostatic hyperplasia with prostatitis, a far less likely differential diagnosis.

The appearance of the gall bladder is typical for a mucocele. The dilated bile duct is most likely an age-related change as there is no obvious obstruction evident.

It is unlikely that either the prostate or the mucocele is causing the acute vomiting – more likely non-specific gastritis (dietary indiscretion, viral, helminths, toxins).

Further assessment would be urinalysis, urine culture, and possibly FNA cytology of the liver and prostate and/or a prostatic wash.

Specific therapy for the prostate would be castration or anti-testosterone therapy. Medical management of the mucocele would be ursodiol, however, cholecystectomy should be considered.



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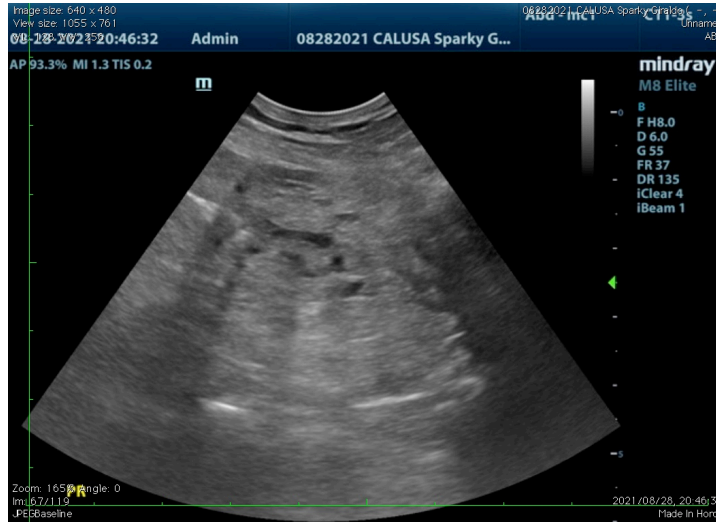
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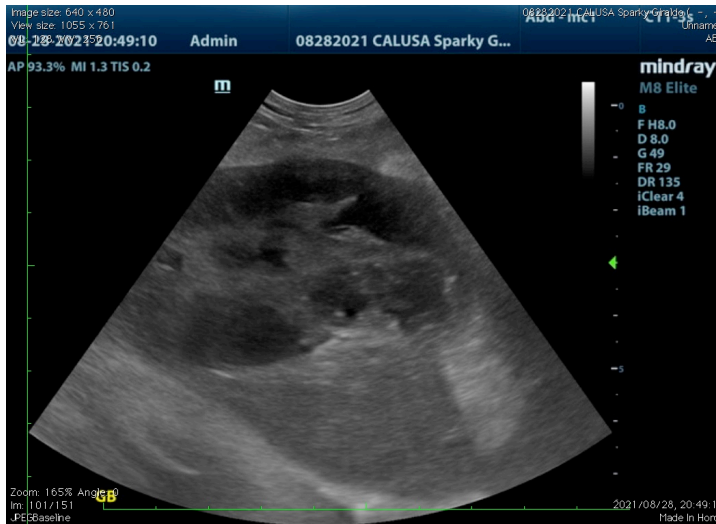
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**IMAGES**

**Prostate**



**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)**  
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