**PATIENT**

Toby Vervaecke

**SPECIES**

Canine

**BREED**

GSD Mix

**SEX**

MN

**AGE**

15 years

**WEIGHT**

92 #

**INTERPRETED BY**Remo Lobetti, BVSc,  
MMedVet (Med), PhD,  
Dipl. ECVIM**IMAGING PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

Dr Barbara Shields

**INVOICE**

303408

**DATE**

9/17/22

**PRESENTING CLINICAL SIGNS**

History: Hematuria.

Physical Examination: N/A.

Urinalysis: Hematuria.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN****Urinary System**

Full urinary bladder containing a large amount of adherent hyperechogenic sediment. Irregular non-vascularized mass on the dorsal aspect of the wall. No uroliths evident.

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

Normal iliac lymph nodes. Ureters not visualized.

Left kidney – normal size (7.9 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Right kidney – irregular mottled echogenic mass.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, echogenic appearance, and position but bilaterally enlarged. Left 2.55 x 0.9/0.76 cm, right 3.68 x 1.37/1.17 cm).

**Spleen**

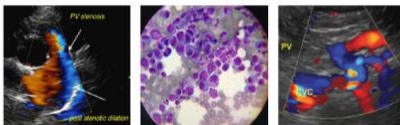
Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and echogenic appearance 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.

**PATIENT*****Pancreas***

Toby Vervaecke

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES*****Free Abdomen***

Canine

No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

GSD Mix

**ULTRASONOGRAPHIC FINDINGS****SEX**

Primary Findings:

MN

- Right renal mass.
- Urinary bladder mass/hematoma.
- Bilateral adrenomegaly.

**AGE**

15 years

Secondary Findings:

- Age-related changes of the left kidney.
- Gall bladder sediment.

**WEIGHT**

92 #

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS****INTERPRETED BY**

Remo Lobetti, BVSc,  
MMedVet (Med), PhD,  
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Etiologies for the right kidney would be neoplasia and granuloma with an organized abscess, a differential diagnosis.

Although the appearance of the urinary bladder is indicative of an intra-luminal mass, it may merely be an adhered hematoma.

**IMAGING PERFORMED BY**

Sarah Pender, CVT

Etiologies for the adrenomegaly would be disease stress and Cushing's disease.

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Further assessment would be 3-view thoracic radiographs, renal function testing (urea, creatinine, SDMA), FNA cytology of the liver, catheter assisted aspirate of the urinary bladder mass, BRAF assay, adrenal function testing (ACTH stimulation/LDDS test), and possibly a CT scan, especially if surgery is being contemplated.

**REFERRING VET**

Dr Barbara Shields

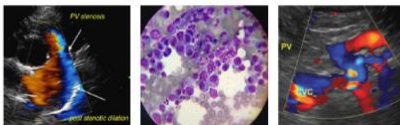
Specific therapy would be dependent on an etiological diagnosis.

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**INVOICE**

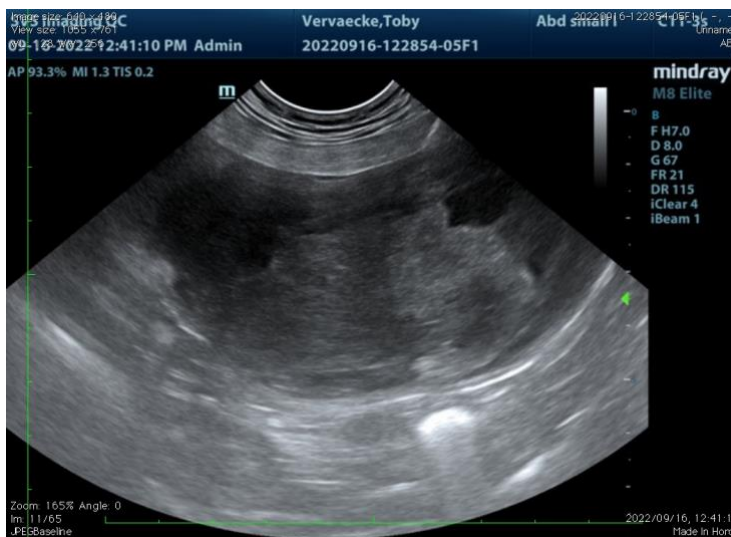
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**DATE**

9/17/22

**IMAGES**

**Urinary bladder**



**Right kidney**



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](mailto:rlobetti@mweb.co.za)