

**PATIENT PRESENTING CLINICAL SIGNS**

Rocky Del Rio History: Testicular neoplasia, prostamegaly, hepatomegaly. Ultrasound prior to castration.

**SPECIES** Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: Normal.

**BREED** Serum Biochemistry: N/A.

Chihuahua Mix Radiographic Findings: N/A.

**SEX**

Male

**Age**

15 years

**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 evident. Single urolith present (0.5 x 0.8 cm) present.

**WEIGHT** Normal trigone area, proximal urethra (0.6 cm), and iliac blood vessels.

15 # Normal iliac lymph nodes (1 cm). Ureters not visualized.

Normal renal size (left 4.8, right 4.9 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

**INTERPRETED BY**

Remo Lobetti, BVSc,  
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ECVIM

**Reproductive System**

Prostamegaly (3.2 x 4 cm) with a diffuse hyperechogenic appearance, regular capsule and small parenchymal cysts. Normal appearance of the peri-prostatic tissue.

**IMAGING PERFORMED BY**

Sonya Myers, DVM

Left testicle – enlarged (1.6 x 3.4 cm) with an increased echogenic appearance and loss of normal architecture. Hyperechogenic parenchymal nodule (1.4 x 1.5 cm).

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Right testicle – small in size (1.5 x 1.8 cm) with a hyperechogenic appearance.

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**Adrenal Glands**

Normal position, echogenic appearance, and shape but plump in size. Left 0.77/0.59 cm, right 0.74/0.59 cm.

**REFERRING VET**

Dr Osman

**Spleen**

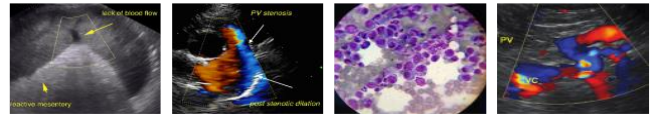
Normal size (1.5 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

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303925

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**PATIENT** *Liver*

Rocky Del Rio

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

Male

**Age**

15 years

**WEIGHT**

15 #

Enlarged with rounded edges, hyperechogenic and nodular appearance, loss of portal markings, and regular curvilinear capsule. Nodules are hypoechogenic, parenchymal, and up to 1.1 x 1.9 cm in size. No masses evident. FNA taken with no obvious post aspirate hemorrhage evident. Full gall bladder containing small amount of dependent hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

***Gastrointestinal***

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.26 cm, duodenum 0.43 cm, jejunum 0.34 cm, colon 0.19 cm) and peristalsis, and no distension of the lumen.

***Pancreas***

Normal size (right 1.1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

***Free Abdomen***

Normal mesenteric lymph nodes (0.8 cm).  
No ascites evident.

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**ULTRASONOGRAPHIC FINDINGS**
**Primary Findings:**

- Benign prostatic hyperplasia.
- Testicular pathology.
- Nodular hepatopathy.
- Bilateral adrenomegaly.

**Secondary Findings:**

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

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

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

Etiologies for the adrenomegaly would be disease stress and emerging pituitary-dependent Cushing's disease.

Further assessment needs to be based on the pending cytology results but could include urinalysis, urine culture, 3-view thoracic radiographs, and adrenal function testing (if there are compatible clinical and biochemical signs) of Cushing's disease.

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Sonya Myers, DVM

**HOSPITAL NAME**

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**REFERRING VET**

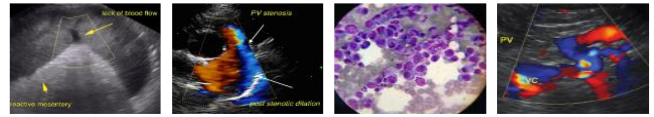
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**PATIENT**

Rocky Del Rio

Specific therapy would be dependent on an etiological diagnosis. With the testicular pathology and prostatic hyperplasia, castration would be recommended as well as cystostomy to remove the urolith.

**SPECIES**

Canine

**IMAGES**
**Prostate**
**BREED**

Chihuahua Mix

**SEX**

Male

**Age**

15 years

**WEIGHT**

15 #

**INTERPRETED BY**

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**Left testicle**
**IMAGING PERFORMED BY**

Sonya Myers, DVM

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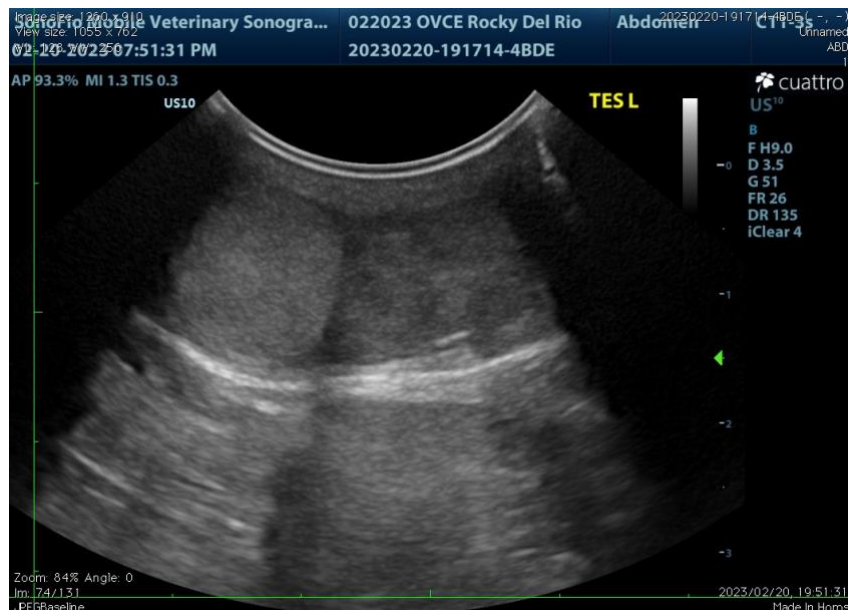
Dr Osman

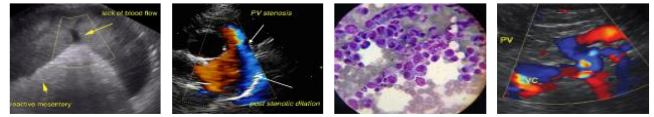
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**PATIENT**

**Urinary bladder**

Rocky Del Rio

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

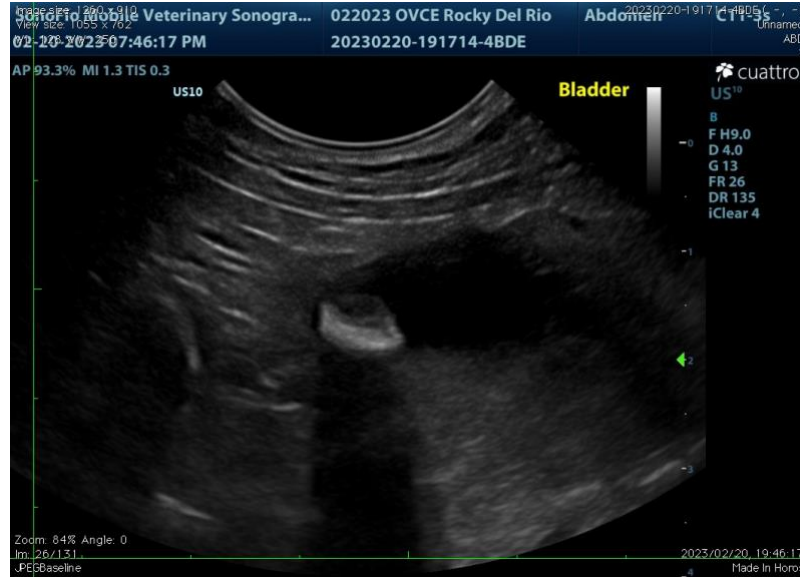
Male

**Age**

15 years

**WEIGHT**

15 #



**Liver**

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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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