



**PATIENT PRESENTING CLINICAL SIGNS**

**PATIENT** Benyi Perez de Leon History: Mild genialized seizures – treated with bromide and levetiracetam. On Apoquel for skin allergies.

**SPECIES** Canine Physical Examination: Normal.

Urinalysis: SG 1.022, pH 8.5, 2+ protein. Sperm on sediment examination.

**BREED** Yorkshire terrier Mix CBC: Normal.

Serum Biochemistry: Mildly elevated ALT activity and post prandial bile acids.

Radiographic Findings: N/A.

**SEX**

Intact Male

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**AGE**

6 years

**Urinary System**

Small urinary bladder with a normal thickness (0.3 cm) and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

**WEIGHT**

8.5 #

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

Normal iliac lymph nodes (left 0.4 cm, right 0.5 cm). Ureters not visualized.

**INTERPRETED BY**

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

Normal renal size (left 3.8 cm, right 3.9 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

**Reproductive System**

Normal size and appearance of the prostate (2 x 2.6 cm) and testes.

**IMAGING PERFORMED BY**

Dr Gabriel Ferrer, DVM

**Adrenal Glands**

Normal shape, echogenic appearance, position and size. Left 0.43 cm.

**HOSPITAL NAME**

Pulse Pet Ultrasound  
Services

**Spleen**

Normal size (0.9 cm) and echogenic appearance. Smooth homogenous parenchyma, curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**REFERRING VET**

Dr Javier Rodriguez

**Liver**

Normal size, echogenic appearance, and portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness (0.1 cm) and echogenic appearance of the gall bladder wall. Normal bile duct.

**INVOICE**

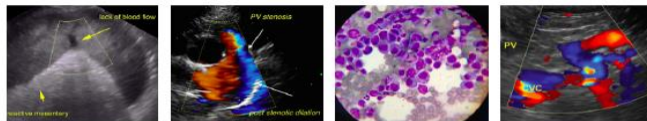
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**Gastrointestinal**

**DATE**

4/9/22

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 0.42 cm, jejunum 0.45 cm, colon 0.15 cm) and peristaltic activity and no distension of the lumen.



**PATIENT** *Pancreas*

Benyi Perez de Leon

Normal size (right 1 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES**

Canine

*Free Abdomen*

No mesenteric lymphadenomegaly.

**BREED**

No ascites.

Normal appearance of the aorta, caudal vena cava, and portal vein with no turbulent blood flow.

Yorkshire terrier Mix

**ULTRASONOGRAPHIC FINDINGS**

**SEX**

Primary Findings:

Intact Male

- None.

**AGE**

Secondary Findings:

6 years

- None.

**WEIGHT**

8.5 #

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Normal ultrasound examination of the abdomen.

The most likely etiology for the elevated bile acids would be primary portal vein hypoplasia.

Further assessment that could be considered would be CT angiography or mesenteric portogram and liver biopsy.

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Dr Gabriel Ferrer, DVM

**HOSPITAL NAME**

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**REFERRING VET**

Dr Javier Rodriguez

**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.**

**INVOICE**

302894

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.

**DATE**

4/9/22

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