



**PATIENT PRESENTING CLINICAL SIGNS**

Ben Barbarino History: PuPd, weight loss.

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

Canine Urinalysis: SG 1.019, hematuria, proteinuria, glycosuria, negative bacterial culture.

CBC: Monocytosis.

**BREED** Serum Biochemistry: Elevated liver enzyme activity. *Leptospira* PCR pending.

Australian Shepherd Radiographic Findings: N/A.

**SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

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**AGE** *Urinary System*

6 years Full urinary bladder with a normal thickness and appearance of the wall. Normal anechoic urine with no sediment or uroliths evident.

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

45.5 # Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 6.3 cm, right 6.4 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

**INTERPRETED BY** *Reproductive System*

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

**IMAGING PERFORMED BY** *Adrenal Glands*

Dr Megan Cassels-Conway, DVM Normal shape, echogenic appearance, position, and size. Left 1.51 x 0.47 cm, right 1.93 x 0.67 cm.

**HOSPITAL NAME** *Spleen*

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

**REFERRING VET** *Liver*

Dr Megan Cassels-Conway, DVM Normal size with increased echogenic appearance, prominent portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing moderate amount of hyperechogenic sediment. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

**INVOICE** *Gastrointestinal*

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**DATE** 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.

12/4/22



**PATIENT** *Pancreas*

Ben Barbarino Normal size and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**SPECIES** *Free Abdomen*

Canine No mesenteric lymphadenomegaly.  
No ascites.

**BREED**

Australian Shepherd

**ULTRASONOGRAPHIC FINDINGS**

Primary Findings:

- Hepatopathy.

**SEX**

MN

Secondary Findings:

- Gall bladder sediment.

**AGE**

6 years

**WEIGHT**

45.5 #

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the hepatopathy would be reactive, hyperplasia, vacuolar, early nodular regeneration, chronic hepatitis, and infiltrative neoplasia.

**INTERPRETED BY**

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

Further assessment needs to be based on the pending PCR results but could include UPC, blood pressure, and FNA cytology of the liver.

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management would be ursodiol.

**IMAGING PERFORMED BY**

Dr Megan Cassels-Conway,  
DVM

**HOSPITAL NAME**

Central Broward Animal  
Hospital

**REFERRING VET**

Dr Megan Cassels-Conway,  
DVM

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**PATIENT IMAGES**

Ben Barbarino

**Liver**

**SPECIES**

Canine

**BREED**

Australian Shepherd

**SEX**

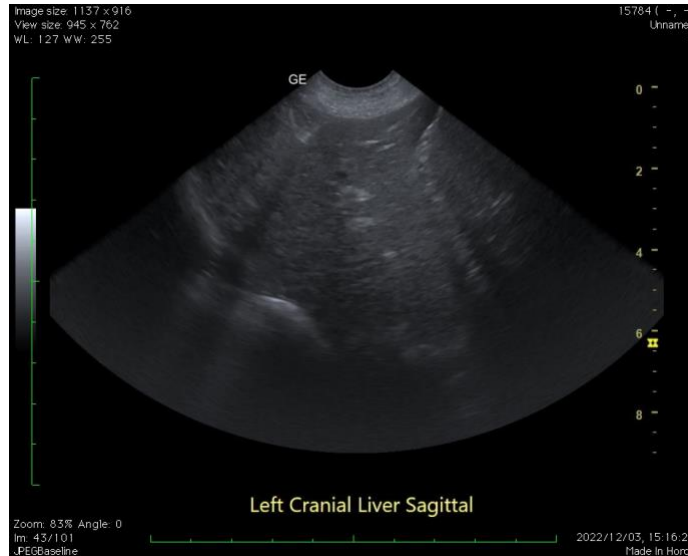
MN

**AGE**

6 years

**WEIGHT**

45.5 #



**Gall bladder**



**INTERPRETED BY**

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ECVIM

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