

**PATIENT**

Lucy Shelby

**SPECIES**

Canine

**BREED**

Cocker Spaniel

**SEX**

FS

**AGE**

5 years

**WEIGHT**

15 kg

**INTERPRETED BY**

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

**IMAGING  
PERFORMED BY**

Sonya Myers, DVM

**HOSPITAL NAME**

Treasure Coast  
Animal Emergency

**REFERRING VET**

Dr Cail

**INVOICE**

302847

**DATE**

3/29/22

**PRESENTING CLINICAL SIGNS**

History: Elevated bilirubin, urinary accidents.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal appearance and thickness 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 (1.2 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 pelvis and capsule.

**Reproductive System**

N/A.

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position. Left 0.53/0.59 cm, right 0.39/0.67 cm. Small ill-defined nodule (0.4 x 0.4 cm in the cranial pole of the left gland).

**Spleen**

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

**Liver**

Enlarged with a normal echogenic appearance and portal markings. 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 (0.27 cm).



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**Gastrointestinal**

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.51 cm, jejunum 0.36 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 (4.3 cm).  
No ascites.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Hepatopathy.
- Adrenal nodule.

Secondary findings:

- Age-related renal changes.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

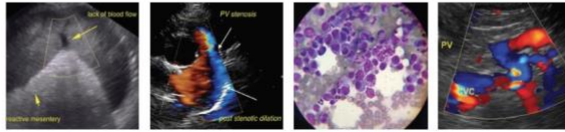
The most likely etiology for the hepatopathy would be reactive, vacuolar, and metabolic with chronic hepatitis and infiltrative neoplasia unlikely differential diagnoses.

Etiologies for the adrenal nodule would be an incidental non-functional adenoma, functional adenoma, and emerging functional/non-functional carcinoma.

Further assessment would be urinalyses and adrenal function testing (ACTH stimulation/LDDS test) and possibly FNA cytology of the liver.

Regular ultrasound monitoring of the adrenal nodule would also be recommended.

Specific therapy would be dependent on an etiological diagnosis.



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**IMAGES**

**Liver**



**Left adrenal**



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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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