



PATIENT PRESENTING CLINICAL SIGNS

Sophie Carter History: Chronic static mild azotemia.

SPECIES Physical Examination: N/A.

Canine Urinalysis: Pending.

CBC: Low-normal hemoglobin.

BREED Serum Biochemistry: Azotemia, elevated ALP activity.

Labrador retriever Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

FS

Urinary System

AGE

14 years

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

WEIGHT

23.4 kg

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

Normal iliac lymph nodes. Ureters not visualized.

Normal renal size (left 5.6 cm, right 5.7 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal blood flow, pelvis and capsule.

INTERPRETED BY

Remo Lobetti, BVSc,
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Reproductive System

N/A.

IMAGING PERFORMED BY

Dr Lee Gregory, DVM

Adrenal Glands

Normal shape, echogenic appearance, and position but bilaterally enlarged. Left 0.86 cm, right 1.21 cm.

HOSPITAL NAME

Casco Bay Veterinary
Hospital

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.

REFERRING VET

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Liver

Enlarged with rounded edges, diffuse mottled echogenic appearance and some loss of portal markings. No nodules or masses evident. Full gall bladder containing moderate amount of hyperechogenic non-adherent sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

INVOICE

302732

Gastrointestinal

DATE

2/7/22

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*

Sophie Carter 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

Labrador retriever

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Renal disease.
- Hepatopathy.
- Bilateral adrenomegaly.

SEX

FS

AGE

14 years

Secondary Findings:

- Gall bladder sediment.

WEIGHT

23.4 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the kidneys is typical for chronic kidney disease and in line with the azotemia.

Etiologies for the hepatopathy would be age-related, reactive, vacuolar, metabolic, chronic hepatitis, early cirrhosis, and early nodular regeneration; with infiltrative a far less likely differential diagnosis.

Although the adrenomegaly may merely be secondary to disease stress, emerging pituitary-dependent Cushing's disease needs to be considered, especially with the elevated ALP activity.

Further assessment would be blood pressure, FNA cytology of the liver, and possibly ACTH stimulation/low-dose dexamethasone suppression test.

Specific therapy would be dependent on an etiological diagnosis. Management of the renal disease would be renal diet and ursodiol can be considered for the hepatopathy.

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PATIENT

Sophie Carter

SPECIES

Canine

BREED

Labrador retriever

SEX

FS

AGE

14 years

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IMAGES

Liver/gall bladder



Kidney





PATIENT

Right adrenal

Sophie Carter

SPECIES

Canine

BREED

Labrador retriever

SEX

FS

AGE

14 years

WEIGHT

23.4 kg



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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.

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