



PATIENT PRESENTING CLINICAL SIGNS

Coco Balsam History: Recently diagnosed with PLE. Anorexia, diarrhea.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: Leukocytosis

BREED Serum Biochemistry: Hypoalbuminemia, elevated liver enzyme activity, and mildly elevated bilirubin.

Yorkshire terrier

Radiographic Findings: N/A.

SEX

MN

Age

12 years

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Small 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 (0.5 cm), and iliac blood vessels.

Normal iliac lymph nodes (0.5 x 0.8 cm). Ureters not visualized.

INTERPRETED BY

Normal renal size (left 4.1 cm right 4.6 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

Small hypoechogenic prostate (0.8 cm).

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 0.43/0.43 cm, right 0.66/0.63 cm.

Spleen

Normal size (1.1 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

Liver

Enlarged with rounded edges, diffuse hypoechogenic appearance, prominent portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.2 cm).

INVOICE

303375

DATE

9/3/22

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Lake Emma Animal Hospital

REFERRING VET

Dr Wilder


PATIENT *Gastrointestinal*

Coco Balsam

SPECIES

Canine

BREED

Yorkshire terrier

SEX

MN

Age

12 years

WEIGHT
INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Lake Emma Animal Hospital

REFERRING VET

Dr Wilder

INVOICE

303375

DATE

9/3/22

Normal appearance of the stomach, duodenum, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.46 cm, duodenum 0.45 cm, colon 0.19 cm) and peristaltic activity, and no distension of the lumen. Thickening of the small intestine (0.44 cm) with patchy mucosal stippling but no loss of layering or distension of the lumen. Ingesta within the stomach.

Pancreas

Normal size (right 1.3 cm) with a mottled echogenic appearance and irregular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Mesenteric lymphadenomegaly (0.5 x 1.9) with normal shape and echogenic appearance. Small amount of ascites and pleural effusion.

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Enteropathy.
- Hepatopathy.
- Pancreatitis.
- Mesenteric lymphadenomegaly.
- Bicavitary effusion.

Secondary Findings:

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

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

With the history and breed of dog, the appearance of the small intestine is consistent with primary lymphangectasia with inflammatory bowel disease, parasitic enteritis, and dietary hypersensitivity differential diagnoses.

Etiologies for the hepatopathy would be reactive, vacuolar, chronic hepatitis, and infiltrative neoplasia.

Etiologies for the pancreas would be chronic pancreatitis and fibrosis.

Etiologies for the lymph nodes would be reactive and lymphadenitis with infiltrative neoplasia an unlikely differential diagnosis.

The effusions can be ascribed to the hypoalbuminemia.

Further assessment would be fecal analysis, cPL/PSL assay, cobalamin assay, and endoscopy of the upper GI tract with biopsies.

Specific therapy would be dependent on an etiological diagnosis. Initial management of primary lymphangectasia would be low-fat intestinal diet and prednisolone.



PATIENT IMAGES

Coco Balsam

Liver

SPECIES

Canine

BREED

Yorkshire terrier

SEX

MN

Age

12 years

WEIGHT



Small intestine

INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Lake Emma Animal Hospital

REFERRING VET

Dr Wilder

INVOICE

303375

DATE

9/3/22





PATIENT Pancreas

Coco Balsam

SPECIES

Canine

BREED

Yorkshire terrier

SEX

MN

Age

12 years

WEIGHT



Mesenteric lymph node

INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Lake Emma Animal Hospital

REFERRING VET

Dr Wilder



INVOICE

303375

DATE

9/3/22

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