



PATIENT PRESENTING CLINICAL SIGNS

Lucy Perry History: Diagnosed with Cushing's disease 2 years ago – on 70mg of Vetoryl daily. Ongoing polypnea and polydipsia.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

BREED CBC: N/A.

Labrador Mix Serum Biochemistry: N/A.

Radiographic Findings: N/A.

SEX

FS

AGE

9 years

WEIGHT

27.2 kg

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness and appearance 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. Ureters not visualized.

Normal renal size, echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

Reproductive System

N/A.

Adrenal Glands

Normal position with rounded shape (especially the left), hypoechogenic appearance, and enlarged.

Spleen

Normal size 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, mottled echogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder small amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct.

Gastrointestinal

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.

IMAGING PERFORMED BY

Dr Taylor Parker

HOSPITAL NAME

Lone Mountain Animal
Hospital

REFERRING VET

Dallas Reynolds

INVOICE

303822

DATE

1/28/22



PATIENT *Pancreas*

Lucy Perry Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine Normal mesenteric lymph nodes.
No ascites.

BREED

Labrador Mix

ULTRASONOGRAPHIC FINDINGS

SEX Primary findings:

- FS
- Bilateral adrenomegaly.
 - Hepatopathy.

AGE

9 years Secondary findings:

- Gall bladder sediment.

WEIGHT

27.2 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

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The appearance of the adrenal gland is consistent with the diagnosis of pituitary-dependent Cushing's disease and trilostane therapy as progressive adrenomegaly develops with trilostane therapy as a result of suppression of the negative feedback mechanism. Although the shape of the left gland may merely be hyperplasia, emerging functional neoplasia needs to be considered.

The most likely etiology for the hepatopathy would be secondary to the Cushing's disease, with reactive, hyperplasia, early nodular regeneration, and chronic hepatitis, differential diagnoses.

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The presenting clinical signs would be indicative of poor control of the Cushing's disease.

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Further assessment would be to ACTH stimulation test and FNA cytology of the liver and possibly the left adrenal gland

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Specific therapy would be dependent on an etiological diagnosis.

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PATIENT IMAGES

Lucy Perry **Liver**

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

9 years

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Left adrenal gland





PATIENT Right adrenal gland

Lucy Perry

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

9 years

WEIGHT

27.2 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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