


PATIENT PRESENTING CLINICAL SIGNS

Harriet Brown History: PuPd, polyphagia, polypnea.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Elevated ALP activity and cholesterol. Abnormal LDDS test.

Terrier Mix Radiographic Findings: N/A.

SEX

FS

Age

12 years

WEIGHT

10 kg

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

Distended 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 (left 3.5 cm, right 3.9 cm), with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

N/A.

IMAGING PERFORMED BY

Dr Sarah Barthelemy

Adrenal Glands

Normal position with rounded shape and a hypoechogenic appearance. Normal size of the right gland (0.63 cm), enlarged left gland (0.76/0.84 cm).

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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.

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Dr Asemadahun

Liver

Enlarged with rounded edges, increased echogenic appearance, some loss of portal markings, and regular curvilinear capsule. 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.

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Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (jejunum 0.38 cm) and peristalsis, and no distension of the lumen.

**PATIENT** *Pancreas*

Harriet Brown

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

Terrier Mix

ULTRASONOGRAPHIC FINDINGS**SEX**

Primary Findings:

FS

- Adrenomegaly.
- Hepatopathy.

Age

12 years

Secondary Findings:

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

WEIGHT

10 kg

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**INTERPRETED BY**

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

Based on the history, elevated ALP activity and cholesterol, abnormal LDDS test, and the ultrasound appearance of the liver and adrenal glands, a diagnosis of pituitary-dependent Cushing's disease can be made.

Specific therapy would be either trilostane or Lysodren.

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PATIENT

Harriet Brown

SPECIES

Canine

BREED

Terrier Mix

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IMAGES

Left adrenal gland



Right adrenal gland





PATIENT Liver

Harriet Brown

SPECIES

Canine

BREED

Terrier Mix

SEX

FS

Age

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WEIGHT

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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.

IMAGING PERFORMED BY

Dr Sarah Barthelemy

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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