


PATIENT PRESENTING CLINICAL SIGNS

Peanut Pollitto History: LDDS test consistent with Cushing's disease.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

BREED Previous CBC: Normal.

Beagle Previous Serum Biochemistry: Elevated ALP activity.

Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

FS **Urinary System**

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

5 years Normal trigone area, proximal urethra (0.5 cm), and iliac blood vessels.

WEIGHT Normal iliac lymph nodes (1.9 cm). Ureters not visualized.

57 # Normal renal size (left 7.1 cm, right 7.6 cm), echogenic appearance cortico-medullary differentiation, pelvis, and capsule.

INTERPRETED BY

Remo Lobetti, BVSc,
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Dipl. ECVIM

Reproductive System

N/A.

IMAGING PERFORMED BY

Sonya Myers, DVM

Adrenal Glands

Normal position, echogenic appearance, shape, and size. Left 0.63/0.58 cm, right 0.52/0.62 cm.

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Spleen

Normal size (1.6 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes evident.

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Dr Wilder

Liver

Enlarged with rounded edges, hyperechogenic appearance, loss of portal markings, and regular curvilinear capsule. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

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Gastrointestinal
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Normal appearance of the stomach, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.52 cm, colon 0.29 cm) and peristaltic activity, and no distension of the lumen. Thickening of the duodenum (0.58 cm) and small intestine stomach (0.53 cm) with no loss of layering or distension of the lumen.

**PATIENT** *Pancreas*

Peanut Pollitto Normal size (right 1.3 cm, left 0.9 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine Mesenteric lymphadenomegaly (0.4 x 3 cm) with normal shape and echogenic appearance. No ascites evident.

BREED **ULTRASONOGRAPHIC FINDINGS**

Beagle

Primary Findings:

SEX

FS

- Hepatopathy.
- Enteropathy.
- Mesenteric lymphadenomegaly.

Age

5 years

Secondary Findings:

- None.

WEIGHT

57 #

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

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Dipl. ECVIM

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

Etiologies for the enteropathy would be non-specific enteritis (dietary indiscretion, toxins, viral), helminths, protozoal, inflammatory bowel disease, and dietary hypersensitivity.

IMAGING PERFORMED BY

Sonya Myers, DVM

The most likely etiology for the lymph nodes would be reactive secondary to the enteropathy.

Although the adrenal glands appear ultrasonographically normal, this does not exclude pituitary-dependent Cushing's disease as some patients will have normal appearing glands on ultrasound.

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Further assessment would be fecal analysis, cobalamin assay, FNA cytology of the liver, and possibly endoscopy of the upper GI tract with biopsies.

REFERRING VET

Dr Wilder

Specific therapy would be dependent on an etiological diagnosis. Management of the Cushing's disease would be trilostane or Lysodren.

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PATIENT

Peanut Pollitto

SPECIES

Canine

BREED

Beagle

SEX

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Age

5 years

WEIGHT

57 #

IMAGES

Liver



Duodenum



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PATIENT

Mesenteric lymph node

Peanut Pollitto

SPECIES

Canine

BREED

Beagle

SEX

FS

Age

5 years

WEIGHT

57 #



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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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