



PATIENT PRESENTING CLINICAL SIGNS

Zeus Varquez
History: PuPd.
SPECIES
Physical Examination: N/A.
Canine
Urinalysis: N/A.
CBC: N/A.
BREED
Serum Biochemistry: Elevated liver enzyme activity.
English bulldog
Radiographic Findings: N/A.

SEX

Male

AGE

9 years

WEIGHT

46 #

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with 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 6.3 cm, right 6.6 cm), increased echogenic appearance, cortico-medullary differentiation pelvis, and capsule.

Reproductive System

N/A.

IMAGING PERFORMED BY

Dr Paul Kim

Adrenal Glands

Normal echogenic appearance, size (left 2.27 x 0.71 cm, right 1.82 x 0.47 cm) and position. Normal shape of the right gland and possibly abnormal shape of the left gland.

HOSPITAL NAME

Ridgefield Park Animal
Hospital

Spleen

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

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Liver

Enlarged with increase echogenic appearance, and some loss of portal markings. No nodules or masses evident. Small gall bladder containing normal anechoic bile. Thickened and hyperechogenic appearance of the gall bladder wall. Normal bile duct.

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Gastrointestinal

DATE

7/3/22

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.5 cm) and peristaltic activity, and no distension of the lumen.



PATIENT *Pancreas*

Zeus Varquez Normal size (right 1.6 cm, left 0.7 cm) 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

English bulldog

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

SEX

Male

- Hepatopathy.
- Left adrenal pathology?

AGE

9 years

Secondary Findings:

- Previous cholecystitis.

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be vacuolar, reactive, metabolic, early cirrhosis, and chronic hepatitis, with infiltrative neoplasia an unlikely differential diagnosis.

Although the appearance of the left adrenal gland may be artifactual, with the presenting clinical signs and elevated liver enzyme activity, emerging functional adenoma/carcinoma needs to be considered.

Further assessment would be adrenal function testing (ACTH stimulation/LDDS test) and FNA cytology of the liver.

Specific therapy would be dependent on an etiological diagnosis.

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IMAGES

Liver/gall bladder

Left adrenal



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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