



PATIENT PRESENTING CLINICAL SIGNS

Chui Ortiz History: Weight gain, polyphagia, and PuPd.

SPECIES Physical Examination: Mild hepatomegaly.

Canine Urinalysis: SG 1.028, mild proteinuria.

CBC: Normal.

BREED Serum Biochemistry: Mildly elevated ALT and ALP activity, mild hyperglobulinemia.

Dachshund Radiographic Findings: N/A.

SEX

MN

AGE

13 years

WEIGHT

16 #

INTERPRETED BY

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

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

Full urinary bladder with a normal thickness (0.1 cm) 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 (left 0.5 cm, right 0.5 cm). Ureters not visualized.

Normal renal size (left 5.4, right 5 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

Reproductive System

Small hypoechogenic prostate (0.9 x 1.4 cm).

IMAGING PERFORMED BY

Dr Gabriel Ferrer, DVM

Adrenal Glands

Normal shape, position, and size (left 0.2.2 x 0.65 cm, right 0.69 cm) with a diffuse increased echogenic appearance

HOSPITAL NAME

Spleen

Paseos Veterinary Center

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

REFERRING VET

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Liver

INVOICE

Enlarged with rounded edges, diffuse mottled and nodular echogenic appearance, and loss of portal markings. Nodules are irregular, faint hypoechogenic and parenchymal. Focal hypoechogenic parenchymal cyst (1.2 x 1.3 cm) in the right liver lobe. Full gall bladder containing normal anechoic bile. Normal thickness (0.1 cm) and appearance of the gall bladder wall. Normal bile duct.

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DATE

6/15/22



PATIENT *Gastrointestinal*

Chui Ortiz Normal appearance of the stomach, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.29 cm, colon 0.14 cm) and peristaltic activity and no distension of the lumen. Thickening of the duodenum (0.56 cm) and small intestine (0.55) with a hypoechogenic appearance of the submucosal layer with fine mucosal stippling but no loss of layering or distension of the lumen.

SPECIES

Canine

BREED *Pancreas*

Dachshund Normal size (right 1.2 cm) and echogenic appearance. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

SEX *Free Abdomen*

MN No mesenteric lymphadenomegaly.
No ascites.

AGE

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ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Nodular hepatopathy.
- Adrenal pathology?
- Enteropathy?

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Secondary Findings:

- Age-related renal changes.
- Liver cyst.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the liver would be reactive, vacuolar, metabolic, nodular regeneration, granulomatous disease, chronic hepatitis, and infiltrative neoplasia.

Although the appearance of the adrenal glands may merely be an age-related change, with the presenting clinical signs, pituitary-dependent Cushing's disease needs to be considered.

Although the appearance of the small intestine may merely be an age-related change, inflammatory bowel disease, parasitic enteritis, and dietary hypersensitivity need to be considered.

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

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Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the liver would be ursodiol.

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PATIENT IMAGES

Chui Ortiz **Liver**

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PATIENT Right adrenal

Chui Ortiz

SPECIES

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Duodenum



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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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