



PATIENT PRESENTING CLINICAL SIGNS

Macho O'Brien History: Elevated liver enzyme activity on pre-surgical blood work for dental and neuter. CIRD 2 months ago – treated with doxycycline and Tussigon.

SPECIES Physical Examination: N/A.

Canine Urinalysis: SG 1.043, hematuria – possibly iatrogenic.

BREED CBC: Normal.

Dachshund Serum Biochemistry: Elevated liver enzyme activity and pre-and post-prandial bile acids. Normal bile acids.

SEX Radiographic Findings: N/A.

Intact Male ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

AGE *Urinary System*

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

WEIGHT Normal trigone area, proximal urethra, and iliac blood vessels.

10.1 # Normal iliac lymph nodes. Ureters not visualized.

INTERPRETED BY Normal renal size (4.3 cm, right 4.6 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

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Reproductive System

Normal size (2.5 x 1.4 cm) and echogenic appearance of the prostate.

IMAGING PERFORMED BY

Adrenal Glands

Dr Megan Cassels-Conway Normal shape, echogenic appearance, and position but small in size. Left 0.8 x 0.24 cm, right 0.89 x 0.43 cm.

HOSPITAL NAME *Spleen*

Central Broward Animal Hospital Normal size and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, normal vasculature and blood flow. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

REFERRING VET *Liver*

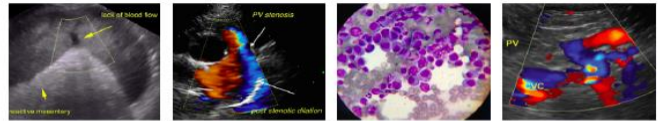
Dr Megan Cassels-Conway Normal size with a diffuse coarse increased echogenic appearance and prominent portal markings. No nodules or masses evident. Full gall bladder containing normal anechoic bile. Normal appearance and thickness of the gall bladder wall. Normal bile duct.

INVOICE *Gastrointestinal*

302559 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 lumen distension.

DATE

9/17/21



PATIENT *Pancreas*

Macho O'Brien 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

Dachshund

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

- Hepatopathy.
- Small adrenal glands.

SEX

Intact Male

AGE

1 years

Secondary Findings:

- None.

WEIGHT

10.1 #

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be vacuolar, reactive, metabolic, primary portal vein hypoplasia, small porto-caval shunt, and hepatitis.

INTERPRETED BY

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Although the small adrenal glands may be an incidental finding, emerging Addison's disease needs to be considered.

Further assessment that could be considered would be ACTH stimulation test and FNA cytology of the liver. If there is convincing clinical evidence of primary portal vein hypoplasia or PSS, then contrast angiography and liver biopsy should be considered.

IMAGING PERFORMED BY

Dr Megan Cassels-
Conway

Specific therapy would be dependent on an etiological diagnosis. Symptomatic management of the hepatopathy would be ursodiol. As dental disease can result in a reactive hepatopathy, addressing the dental disease in this patient would be recommended.

HOSPITAL NAME

Central Broward Animal
Hospital

REFERRING VET

Dr Megan Cassels-
Conway

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PATIENT

Macho O'Brien

SPECIES

Canine

BREED

Dachshund

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Intact Male

AGE

1 years

WEIGHT

10.1 #

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IMAGES

Liver



Gall bladder



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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