


PATIENT PRESENTING CLINICAL SIGNS

Hercules McCain History: On phenobarbital and Keppra for seizures. Elevated liver enzyme activity on senior bloodwork.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

BREED CBC: Normal.

Chihuahua Serum Biochemistry: Elevated liver enzyme activity.

Radiographic Findings: N/A.

SEX

MN

Age

11 years

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Urinary System

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

WEIGHT

3 kg

Normal trigone area, proximal urethra (0.4 cm), and iliac blood vessels.

Normal iliac lymph nodes (1.1 cm). Ureters not visualized.

INTERPRETED BY

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

Normal renal size (left 3.8 cm, right 4.2 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule. Bilateral pinpoint mineralization.

Reproductive System

Small hypoechogenic prostate (0.7 cm).

IMAGING PERFORMED BY

Sonya Myers, DVM

Adrenal Glands

Normal position, echogenic appearance, shape, and size. Left 0.54/0.48 cm, right 0.43/0.39 cm.

HOSPITAL NAME

Lake Emma Animal
Hospital

Spleen

Normal size (1.1 cm) and echogenic appearance. Smooth homogenous parenchyma, regular curvilinear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes evident.

REFERRING VET

Dr Hecker

Liver

Enlarged with rounded edges, hyperechogenic appearance, loss of portal markings, and regular curvilinear capsule. FNA taken with no obvious post aspirate hemorrhage. 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).

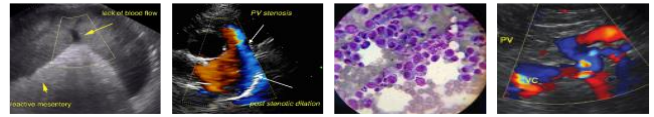
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Gastrointestinal
DATE

3/10/23

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.28 cm, duodenum 0.36 cm, jejunum 0.32 cm, colon 0.29 cm) and peristaltic activity, and no distension of the lumen.



PATIENT *Pancreas*

Hercules McCain Normal size (right 1.1 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 Normal mesenteric lymph nodes (1.3 cm).
No ascites evident.

BREED **ULTRASONOGRAPHIC FINDINGS**

Chihuahua

Primary Findings:

- Hepatopathy.

Secondary Findings:

- Age-related renal changes.

SEX

MN

Age

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WEIGHT **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

3 kg The most likely etiology for the hepatopathy would be secondary to the phenobarbital therapy, with reactive, hyperplasia, metabolic, chronic hepatitis, and infiltrative neoplasia differential diagnoses.

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Further assessment/therapy needs to be based on the pending cytology results.

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PATIENT

Hercules McCain

SPECIES

Canine

BREED

Chihuahua

SEX

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Age

11 years

WEIGHT

3 kg

IMAGES

Liver



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 MMedVet (Med), PhD,
 Dipl. ECVIM

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

Sonya Myers, DVM

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.

HOSPITAL NAME

Lake Emma Animal
 Hospital

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REFERRING VET

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