


PATIENT PRESENTING CLINICAL SIGNS

Marley Hertle History: Vomiting. Previous history of GI foreign body.

SPECIES Physical Examination: N/A.

Canine Urinalysis: N/A.

CBC: N/A.

BREED Serum Biochemistry: Elevated ALT activity.

Pug Radiographic Findings: N/A.

SEX ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

MN

Urinary System

Age

10 years

Full urinary bladder with a normal thickness and appearance of the wall. Small amount of floating hyperechogenic sediment and small urolith (0.9 cm) present.

WEIGHT Normal trigone area, proximal urethra (0.3 cm) and iliac blood vessels. Small amount of hyperechogenic sediment within the proximal and prostatic urethra present.

Normal iliac lymph nodes (0.7 cm). Ureters not visualized.

INTERPRETED BY Normal renal size (left 4.6 cm, right 4.9 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule. Incidental bilateral pinpoint mineralization.

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

Reproductive System

Small hypoechogenic prostate (0.7 cm).

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Adrenal Glands

Sonya Myers, DVM

Normal position, echogenic appearance, shape and size. Left 0.41/0.57 cm, right 0.4/0.52 cm.

HOSPITAL NAME
Spleen

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Springs

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

REFERRING VET
Liver

Dr Williams

Normal size with a mottled and coarse echogenic appearance, some loss of portal markings, and regular curvilinear capsule. No nodules or masses evident.

INVOICE
Gall bladder

304182

Full containing moderate amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the wall. Normal bile duct (0.1 cm).

DATE

5/2/23


PATIENT *Gastrointestinal*

Marley Hertle Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.35 cm, duodenum 0.47 cm, jejunum 0.36 cm, colon 0.2 cm) and peristalsis, and no distension of the lumen. Shadowing material within the stomach (3.9 cm) but with no obvious pyloric obstruction evident.

SPECIES

Canine

Pancreas
BREED

Pug

Normal size (left 0.9 cm, right 1.2 cm) with a hyperechogenic appearance and irregular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen
SEX

Normal mesenteric lymph nodes (1.4 cm).

MN

No ascites evident.

Age

10 years

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

WEIGHT

- Hepatopathy.
- Gastric foreign material.
- Chronic pancreatitis vs fibrosis.

INTERPRETED BY

Secondary Findings:

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

- Gall and urinary bladder sediment.
- Urolith.

IMAGING PERFORMED BY
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Sonya Myers, DVM

Etiologies for the hepatopathy would be reactive, early nodular hyperplasia, vacuolar, chronic hepatitis, granulomatous hepatitis, and infiltrative neoplasia.

HOSPITAL NAME

Although the gastric foreign material may merely be an incidental finding, it needs to be monitored for possible development of GI tract obstruction.

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Further assessment would be urinalysis, urine culture, cPL/PSL assay, and FNA cytology of the liver. If a laparotomy is required, then a wedge biopsy of the liver and cystotomy can also be done.

REFERRING VET

Dr Williams

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

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PATIENT

Marley Hertle

SPECIES

Canine

BREED

Pug

SEX

MN

Age

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WEIGHT

IMAGES

Liver



Pancreas



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Remo Lobetti, BVSc,
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PATIENT Stomach

Marley Hertle

SPECIES

Canine

BREED

Pug

SEX

MN

Age

10 years

WEIGHT



Urinary bladder

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

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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.

Remo Lobetti, BVSc, MMedVet (Med), PhD, Dipl. ECVIM (Internal Medicine)
remo.lobetti@sonopath.com