

**PATIENT PRESENTING CLINICAL SIGNS**

Chopper Springer

History: Vomiting.

SPECIES

Physical Examination: N/A.

Canine

Urinalysis: N/A.

BREED

CBC: Leukocytosis.

Mixed

Serum Biochemistry: Elevated liver enzyme and pancreatic enzymes.

Radiographic Findings: Gastric foreign material on repeated radiographs.

SEX**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

MN

Urinary System**Age**

Full urinary bladder with a normal thickness and appearance of the wall. Moderate amount of floating hyperechogenic sediment present. No uroliths evident.

13 years

Normal trigone area, proximal urethra (0.8 cm), and iliac blood vessels.

WEIGHT

Normal iliac lymph nodes. Ureters not visualized.

66 #

Normal renal size (left 7.1 cm right 6.5 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule. Focal cortical cyst (1.3 cm) in the left kidney.

INTERPRETED BY**Reproductive System**Remo Lobetti, BVSc,
MMedVet (Med), PhD, Dipl.
ECVIM

Small hypoechogenic prostate (1.3 cm).

IMAGING PERFORMED BY**Adrenal Glands**

Sonya Myers, DVM

Normal shape, echogenic appearance, size, and position. Left 0.58/0.45 cm, right 0.47/0.46 cm.

HOSPITAL NAME**Spleen**Oviedo Veterinary Care and
Emergency

Not visualized.

Liver**REFERRING VET**

Normal size, diffuse mottled echogenic appearance, some loss of prominent portal markings, and regular curvilinear capsule. No nodules evident. Irregular parenchymal mottled echogenic mass (3.8 x 5.1 cm) in the right liver. Full gall bladder containing small amount of hyperechogenic sediment. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.3 cm).

Dr Osman

INVOICE**Gastrointestinal**

303226

Distended stomach containing large amount of shadowing material with normal appearance of the wall. Segmental thickening of the duodenum (0.7 cm) and small intestine (0.48 cm) with no loss of layering or distension of the lumen. Normal appearance of the ileo-cecal junction and colon.

DATE

8/23/22


PATIENT *Pancreas*

Chopper Springer

Enlarged and irregular (0.8 cm) with a hypoechogenic appearance. Hyperechogenic appearance of the mesentery and fat surrounding the pancreas.

SPECIES *Free Abdomen*

Canine

Normal mesenteric lymph nodes (0.4 x 2.2 cm).

No ascites.

BREED

Hyperechogenic appearance of the mesentery in the cranial abdomen.

Mixed

ULTRASONOGRAPHIC FINDINGS
SEX

Primary Findings:

MN

- Pancreatitis.
- Hepatopathy.
- Hepatic nodule.
- Distended stomach.
- Enteropathy.
- Mesenteric inflammation.

Age

13 years

WEIGHT

66 #

Secondary Findings:

- Urinary and gall bladder sediment.
- Renal cyst.

INTERPRETED BY

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The appearance of the pancreas is consistent with pancreatitis and could account for the hepatopathy, distended stomach, and enteropathy.

An important consideration for the distended stomach would be a foreign body causing an obstruction and associated enteropathy as well as pancreatitis.

Other etiologies for the hepatopathy would be reactive, hyperplasia, vacuolar, metabolic, chronic hepatitis, early nodular regeneration, and early cirrhosis with infiltrative neoplasia, a less likely differential diagnosis.

Etiologies for the hepatic nodule would be focal nodular regeneration, hepatoma, hematoma, granuloma, and neoplasia.

Other etiologies for the enteropathy would be non-specific enteritis (viral, bacterial, protozoal, helminths, toxins, dietary indiscretion), inflammatory bowel disease, and dietary hypersensitivity.

The mesenteric inflammation can be ascribed to the pancreatitis and enteropathy.

Further assessment would be urine and fecal analyses, 3-view thoracic radiographs, and cytology of the liver and hepatic mass. With the history and ongoing gastric distension, laparotomy would be indicated, which would also allow for biopsies of the small intestine, liver, and hepatic mass.

Specific therapy would be dependent on an etiological diagnosis.

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Oviedo Veterinary Care and
Emergency

REFERRING VET

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PATIENT **IMAGES**
 Chopper Springer **Stomach**

SPECIES

Canine

BREED

Mixed

SEX

MN

Age

13 years

WEIGHT

66 #

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PATIENT Duodenum

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SPECIES

Canine

BREED

Mixed

SEX

MN

Age

13 years

WEIGHT

66 #



Pancreas

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PATIENT Liver

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SPECIES

Canine

BREED

Mixed

SEX

MN

Age

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WEIGHT

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DATE

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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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