


PATIENT PRESENTING CLINICAL SIGNS

Kloe Dobbertean

History: Hindlimb weakness.

SPECIES

Canine

Physical Examination: Heart murmur.

Urinalysis: N/A

BREED

Spaniel

CBC: Neutrophilia, thrombocytopenia.

Serum Biochemistry: Elevated ALT and ALP activity and globulins. Negative 4Dx.

Radiographic Findings: N/A

SEX

FS

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Age

11 years

Urinary System

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

WEIGHT

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Normal trigone area, proximal urethra (0.6 cm), and iliac blood vessels.

Normal iliac lymph nodes (1.8 cm). Ureters not visualized.

Normal renal size (left kidney 5.7 cm, right 6.1 cm) with increased echogenic appearance, some loss of cortico-medullary differentiation, and normal pelvis and capsule.

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 Remo Lobetti, BVSc,
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Reproductive System

N/A.

Adrenal Glands

Normal shape, echogenic appearance, position, and size. Left 0.64/0.66 cm, right 0.6/0.69 cm.

Spleen

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

Liver

Normal size with a diffuse mottled echogenic and nodular appearance, some loss of portal markings, and regular curvilinear capsule. Nodules are faint, hypoechogenic, parenchymal and up to 0.8 cm in size. No masses evident. Small gall bladder containing small amount of hyperechogenic sediment. Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.2 cm).

Gastrointestinal

Segmental thickening of the stomach (0.69 cm), duodenum (0.58 cm), and small intestine (0.57 cm) with a prominent hypoechogenic appearance of the submucosal layer but with no loss of layering or distention of the lumen. Normal appearance of the ileo-cecal junction and colon.

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

 Oviedo Veterinary Care and
Emergency

REFERRING VET

Dr Rivera

INVOICE

303413

DATE

9/19/22

**PATIENT** *Pancreas*

Kloe Dobbertean

Normal size (right 1.4 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 (1.7 cm).
Small amount of ascites in the caudal abdomen.

BREED

Spaniel

ULTRASONOGRAPHIC FINDINGS

Primary Findings:

SEX

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- Enteropathy.
- Nodular hepatopathy.

Age

11 years

Secondary Findings:

- Gall bladder sediment.
- Age-related renal changes.

WEIGHT

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**INTERPRETED BY**

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Etiologies for the enteropathy would be non-specific gastroenteritis (viral, bacterial, protozoal, helminths, toxins, dietary indiscretion), inflammatory bowel disease, dietary hypersensitivity, with emerging lymphoma a less likely differential diagnosis.

Etiologies for the nodular hepatopathy would be reactive, hyperplasia, vacuolar, nodular regeneration, copper/iron hepatitis, granulomatous disease, and infiltrative neoplasia.

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Further assessment would be fecal analysis, cobalamin assay, FNA cytology of the liver, and possibly endoscopy of the upper GI tract with biopsies. Tru-cut/wedge biopsy of the liver may, however, be required for a final etiological diagnosis.

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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

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IMAGES

Liver



Stomach

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PATIENT

Duodenum

Kloe Dobbertean

SPECIES

Canine

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Spaniel

SEX

FS

Age

11 years

WEIGHT

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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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