

PATIENT

Heidi Theis

SPECIES

Canine

BREED

Dachshund

SEX

FS

AGE

14 years

WEIGHT

9 kg

INTERPRETED BY

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

IMAGING PERFORMED BY

Sonya Myers, DVM

HOSPITAL NAME

Treasure Coast
Animal Emergency

REFERRING VET

INVOICE

302699

DATE

1/14/22

PRESENTING CLINICAL SIGNS

History: None.

Physical Examination: Grade III/VI heart murmur.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: Elevated ALP activity. ACTH stimulation test pending.

Radiographic Findings: Hepatomegaly, possible pulmonary nodule, cardiomegaly.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

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

Normal trigone area, proximal urethra (0.5 cm), and iliac blood vessels.

Normal iliac lymph nodes (1.4 cm). Ureters not visualized.

Normal renal size (left 4.1 cm, right 4.6 cm), echogenic appearance, cortico-medullary differentiation, capsule, and pelvis.

Reproductive System

N/A.

Adrenal Glands

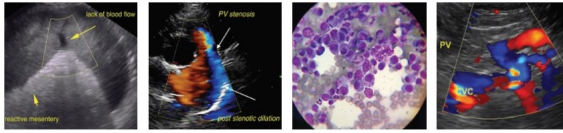
Normal shape, echogenic appearance, size, and position. Left 0.49/0.6 cm, right 0.44/0.5 cm.

Spleen

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

Liver

Enlarged with rounded edges, coarse mottled echogenic appearance, and some loss of portal markings. Ill-defined mottled echogenic parenchymal masses in the left lateral lobe nodules (3.7 x 1.9 cm) and left medial lobe (2.3 x 1.2 cm) with bulging of the overlying capsule. Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder wall. Normal bile duct (0.17 cm).



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Gastrointestinal

Normal appearance of the stomach, pylorus, duodenal papilla, and ileo-cecal junction with no loss of layering, normal wall thickness and no distension of the lumen. Gas accumulation within the stomach. Thickening of the duodenum (0.52 cm), jejunum (0.5 cm) and colon (0.4 cm) but with no loss of layering or distension of the lumen.

Pancreas

Normal size (1.1 cm) with a diffuse hyperechogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Normal mesenteric lymph nodes (2.5 cm).
No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary findings:

- Hepatopathy.
- Hepatic nodules
- Enteropathy.

Secondary findings:

- Pancreatic fibrosis.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Etiologies for the hepatopathy would be vacuolar, reactive, metabolic, nodular degeneration, early cirrhosis, chronic hepatitis, and infiltrative neoplasia.

Etiologies for the hepatic nodules would be nodular hyperplasia, hepatomas, resolved granulomas, abscessation, hematomas, and neoplasia.

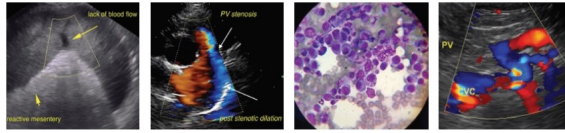
Etiologies for the enteropathy would be non-specific enteritis (viral, bacterial, helminths, protozoa, dietary indiscretion, toxins), dietary hypersensitivity, and inflammatory bowel disease.

Although the appearance of the pancreas is consistent with fibrosis, chronic pancreatitis should be considered.

As there is a pulmonary nodule, metastatic neoplasia needs to be considered.

Further assessment would be fecal analysis, PSL/cPL and cobalamine assay, FNA cytology of the liver and hepatic nodules, echocardiography, and possibly endoscopy of both the upper and lower GI tract with biopsies.

Specific therapy would be dependent on an etiological diagnosis.



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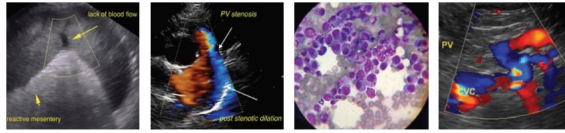
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IMAGES

Liver





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Pancreas



Small intestine



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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)
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