



PATIENT

Boo Weigel

SPECIES

Canine

BREED

Shih Tzu

SEX

FS

AGE

9 years

WEIGHT

6 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

Dr Cail

INVOICE

302776

DATE

2/22/22

PRESENTING CLINICAL SIGNS

History: Diarrhea, anorexia.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: Cardiomegaly, hepatomegaly.

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, and iliac blood vessels.

Normal iliac lymph nodes (1.5 cm). Ureters not visualized.

Normal renal size (left 3.8 cm, right 4.1 cm), echogenic appearance, cortico-medullary differentiation, capsule, and pelvis.

Reproductive System

N/A.

Adrenal Glands

Left – normal position, with an irregular shape, mottled echogenic appearance and an ill-defined parenchymal nodule (0.9 x 1.5 cm).

Right – normal shape, echogenic appearance, position, and size (0.44/0.42 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

Normal size, echogenic appearance, and portal markings. Hyperechogenic parenchymal nodular appearance of the base of the liver (2.4 cm). Poorly defined mass-like lesion (4.3 x 8.7 cm) within the left liver lobe. FNA taken without any obvious post aspirate hemorrhage. Full gall bladder containing small amount of non-adherent hyperechogenic sediment. Irregular intra-luminal non-vascularized polypoid lesion (1.2 x 1.5 cm). Normal thickness and echogenic appearance of the gall bladder wall. Normal bile duct (0.25 cm).



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Gastrointestinal

Normal appearance of the stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (duodenum 0.35 cm, jejunum 0.39 cm) and peristalsis, and no distension of the lumen.

Pancreas

Normal size (right 0.9 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

Free Abdomen

Normal mesenteric lymph nodes (1.3 cm).
No ascites.

ULTRASONOGRAPHIC FINDINGS

Primary findings:

- Hepatic mass.
- Left adrenomegaly.
- Gall bladder polyp.

Secondary findings:

- Gall bladder sediment.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The most likely etiology for the hepatic mass would be a hepatoma with focal hepatitis, granulomatous disease, and emerging primary hepatic neoplasia, differential diagnoses.

Although the appearance of the left adrenal gland may be an incidental finding, emerging neoplasia (adenoma, carcinoma, pheochromocytoma) needs to be considered.

The gall bladder polyp can be considered an incidental finding.

Further assessment needs to be based on the liver cytology results but could include blood pressure and adrenal function testing (ACTH/LDDS test, urinary catecholamine assay). CT scan of the liver and/or Tru-Cut/wedge biopsy may be required for a final etiological diagnosis.

Specific therapy would be dependent on an etiological diagnosis. Ursodiol can be considered for the gall bladder.



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IMAGES

Liver



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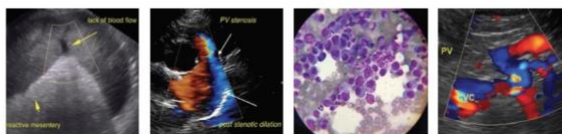
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Gall bladder



Left adrenal



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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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