



**PATIENT**

Mop Flynn

**SPECIES**

Canine

**BREED**

Shih Tzu

**SEX**

MN

**AGE**

12 years

**WEIGHT**

13.6 #

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Brent Crutchfield,  
DVM

**HOSPITAL NAME**

Treasure Coast  
Animal Emergency

**REFERRING VET**

Angela Cail

**INVOICE**

304099

**DATE**

4/10/23

**PRESENTING CLINICAL SIGNS**

History: Hemorrhagic enteritis.

Physical Examination: N/A.

Urinalysis: N/A.

CBC: N/A.

Serum Biochemistry: N/A.

Radiographic Findings: N/A.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

Full urinary bladder with a normal thickness (0.1 cm) and appearance 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. Ureters not visualized.

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

**Reproductive System**

Small hypoechogenic prostate (0.9 cm).

**Adrenal Glands**

Left – normal shape, echogenic appearance, and position, but enlarged caudal pole (1.1 cm).

Right – large mottled echogenic irregular mass (2.4 cm) with foci of mineralization.

**Spleen**

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

**Liver**

Normal size, echogenic appearance, portal markings, and regular curvilinear capsule. No nodules or masses evident. Incidental parenchymal cyst (0.6 cm).

**Gall bladder**

Full containing normal anechoic bile. Normal thickness (0.1 cm) and appearance of the wall. Normal bile duct.



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**Gastrointestinal**

Normal appearance of the gastro-esophageal junction, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering, normal wall thickness (stomach 0.23 cm, duodenum 0.49 cm, jejunum 0.38 cm, colon 0.14 cm) and peristalsis, and no distension of the lumen.

**Pancreas**

Normal size and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**Free Abdomen**

No mesenteric lymphadenomegaly.  
No ascites evident.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Left adrenomegaly.
- Right adrenal mass.

Secondary findings:

- None.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Etiologies for the left adrenal gland would be disease stress and Cushing's disease.

Etiologies for the right adrenal gland would be non-functional carcinoma and pheochromocytoma.

Once the hemorrhagic enteritis has resolved, further assessment would be ACTH stimulation/LDDS test, urine/plasma catecholamine assay, serial blood pressure, and FNA cytology of right adrenal gland.

Specific therapy would be dependent on an etiological diagnosis.



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**IMAGES**

**Left adrenal**



**Right adrenal**





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**Liver**



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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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