



**PATIENT**

Danger Dalton

**SPECIES**

Canine

**BREED**

Golden retriever

**SEX**

MN

**AGE**

9 years

**WEIGHT**

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**

302582

**DATE**

10/1/21

**PRESENTING CLINICAL SIGNS**

History: Right shoulder mass, elevated liver enzyme activity.

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 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 (3.1 cm). Ureters not visualized.

Normal renal size (left 7.1cm, right 8.1 cm), echogenic appearance, cortico-medullary differentiation, pelvis, and capsule.

**Reproductive System**

Small hypoechoic prostate.

**Adrenal Glands**

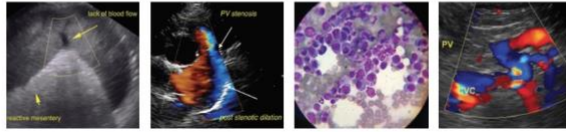
Normal shape, echogenic appearance, size, and position. Left 0.62/0.45 cm, right 0.64 cm.

**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. Large mottled echogenic r, cavitary vascularized mass (10 x 9.4 cm) that appears to originate from the base of the liver. Hyperechoic appearance of the surrounding mesentery containing irregular hypoechoic material. Small 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 pylorus, stomach, duodenum, small intestine, ileo-cecal junction, and colon with no loss of layering and normal wall thickness (duodenum 0.41 cm, jejunum 0.38 cm) and peristalsis, and no distension of the lumen.

**Pancreas**

Normal size (right 1.2 cm) and echogenic appearance. Regular capsule. Normal echogenic appearance of the mesentery and fat surrounding the pancreas.

**Free Abdomen**

Normal mesenteric lymph nodes.  
No ascites.

**Other**

Irregular mottled echogenic subcutaneous mass (8.3 x 3.7 cm).  
No ascites.

**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Hepatic mass.
- Subcutaneous mass.

Secondary findings:

- None.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

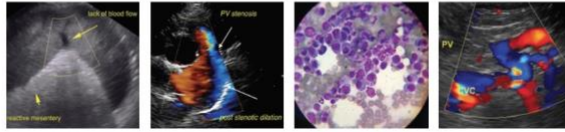
The most likely etiology for the hepatic mass would be neoplasia (primary hepatic carcinoma, hemangiosarcoma) with hepatoma and granuloma, less likely differential diagnoses.

Etiologies for the appearance of the mesentery surrounding the hepatic mass would be inflammatory reaction, metastatic disease, and hemorrhage.

Etiologies for the subcutaneous mass would be neoplasia, granuloma, abscess, hematoma.

Further assessment would be 3-view thoracic radiographs and FNA cytology of the hepatic and subcutaneous masses and the cranial mesentery.

If surgical excision of the masses is considered, CT scan would be recommended to fully delineate the extent of the masses and feasibility of surgical excision.



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**IMAGES**

**Liver**



**Region caudal to the hepatic mass**



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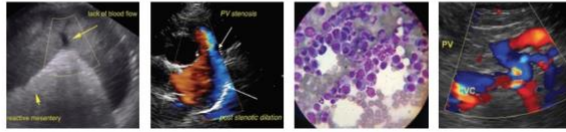
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**Shoulder area**



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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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