



**PATIENT**

Dove Hallman

**SPECIES**

Canine

**BREED**

Labradoodle

**SEX**

Intact female

**AGE**

12 years

**WEIGHT**

63 #

**INTERPRETED BY**

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

**IMAGING PERFORMED BY**

Lara Wiseman, DVM

**HOSPITAL NAME**

Village Royale Animal  
Clinic

**REFERRING VET**

**INVOICE**

302674

**DATE**

12/11/21

**PRESENTING CLINICAL SIGNS**

History: Large infected mammary mass – assess for intra-abdominal metastatic disease.

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 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 (1.7 x 0.7 cm). Ureters not visualized.

Normal renal size (left 6.3 cm, right 7 cm), echogenic appearance, cortico-medullary differentiation, capsule, and pelvis.

**Reproductive System**

Enlarged uterine body (1.3 cm) containing hyperechogenic material. Normal uterine horns (left 0.7 cm, right 0.6 cm). Enlarged, heterogeneous ovaries (left 1.7 x 1.3 cm, right 2.3 x 1.7cm).

**Adrenal Glands**

Normal shape, echogenic appearance, size, and position. Left 0.52 cm, right 0.6 cm.

**Spleen**

Normal size (1.7 cm) and echogenic appearance. Smooth homogenous parenchyma, smooth curvi-linear capsule, and normal vasculature. No evidence of inflammatory, neoplastic, infarction, or infiltrative changes noted.

**Liver**

Normal size, echogenic appearance, and portal markings. Two focal hyperechogenic ill-defined parenchymal nodules (1.5 and 1.3 cm). Full gall bladder containing normal anechoic bile. Normal thickness and appearance of the gall bladder 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 (duodenum 0.46 cm, jejunum 0.38 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.

Large irregular mottled echogenic cavitary mass (12.5 x 11.6 cm) in the mid-abdomen, not obviously associated with any organ.

Focal cyst (0.8 cm) in the region of the iliac lymph nodes

**Other**

Mottled echogenic mammary mass with cystic areas.

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**ULTRASONOGRAPHIC FINDINGS**

Primary findings:

- Abdominal mass.
- Hepatic nodules.
- Mucometra
- Mammary mass.

Secondary findings:

- Cyst.

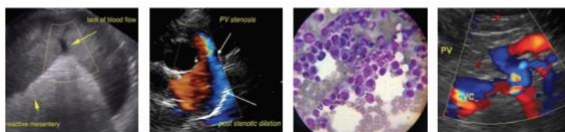
**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The most likely etiology for the abdominal mass would be neoplasia (primary or metastatic) with a granuloma a less likely differential diagnosis.

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

The appearance of the uterus and ovaries is consistent with cystic endometrial and hyperplasia complex.

The most likely etiology for the mammary mass would be neoplasia.



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Further assessment would be 3-view thoracic radiographs and FNA cytology of the abdominal and mammary masses and hepatic nodules.

Specific therapy would be dependent on an etiological diagnosis. Ovariohysterectomy and mastectomy could be considered.

**IMAGES**

**Liver**



**Uterus**



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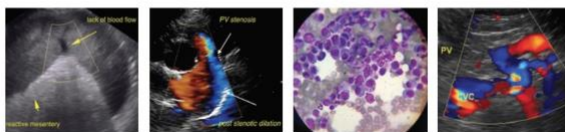
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**Abdominal mass**



**Mammary mass**



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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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