



**PATIENT**

Bugs Falls

**SPECIES**

Rabbit

**BREED**

Rabbit

**SEX**

Intact female

**AGE**

12 years

**WEIGHT**

**PRESENTING CLINICAL SIGNS**

History: Presented early July for distended abdomen and ADR. Owner received care at a previous clinic who suspected an abdominal mass. Fluid-filled structures noted during brief ultrasound on initial presentation, discussed possibility of hydro vs pyometra. Red'c referral, O declined. Pet stable, O now would like to pursue diagnostics to confirm mass.

**ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**

**Urinary System**

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The ureters were not visible which is normal. A minor amount of bladder debris was noted. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The uterus was fluid filled with echogenic tissue proliferation at the base of the uterus. The left ovary was uniform and measured 0.8 x 0.5 cm. The right ovary was uniform and measured 1.12 x 0.53 cm.

The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The left kidney measured 3.21 cm.

**Adrenal Glands**

Both **adrenal glands** were visualized and recognized as having normal shape, size, position and echogenicity for this breed. The phrenic vasculature, glandular echogenicity and detail were unremarkable. Capsule, cortex, and medullary definition were normal for this age patient.

**Spleen**

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. The capsule was smooth without noticeable expansion or deviation from within the spleen or adjacent pathology. The splenic vasculature demonstrated normal volume without signs of congestion or thrombosis. No sonographic evidence of acute or chronic inflammatory, neoplastic, or infarctual changes was noted.

**Liver**

The **liver** images submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Sonya Myers

**HOSPITAL NAME**

Lake Emma AH  
SonoFlo Mobile  
Veterinary

**REFERRING VET**

Dr. Hecker

**INVOICE**

32840

**DATE**

9/12/22



**PATIENT**

**Gastrointestinal**

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The **stomach** was filled with ingesta, which is normal for this species. The small intestines and colon were unremarkable.

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**Pancreas**

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The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**SEX**

**Free Abdomen**

Intact female

Left cranial mammary gland was cystic and mildly enlarged measuring 2.26 x 0.68 cm.

**AGE**

12 years

**ULTRASONOGRAPHIC FINDINGS**

Normal abdomen with hydrometra and minor tissue thickening.

**WEIGHT**

Cystic, left cranial mammary gland.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUS

Urinary tract infection should be ruled out as a potential issue. The tissue proliferation is concerning along with the pyometra. The left and right horns in the uterus appear to be thickened with minor fluid filled lumen. There is a potential for emerging uterine neoplasia. Ovariohysterectomy is recommended. Surgical removal is recommended. Hyperplasia versus carcinoma. FNA can be considered for further definition.

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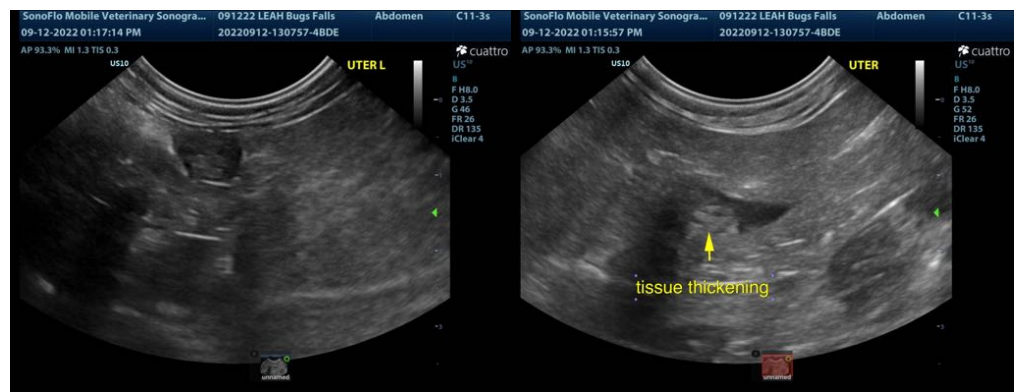
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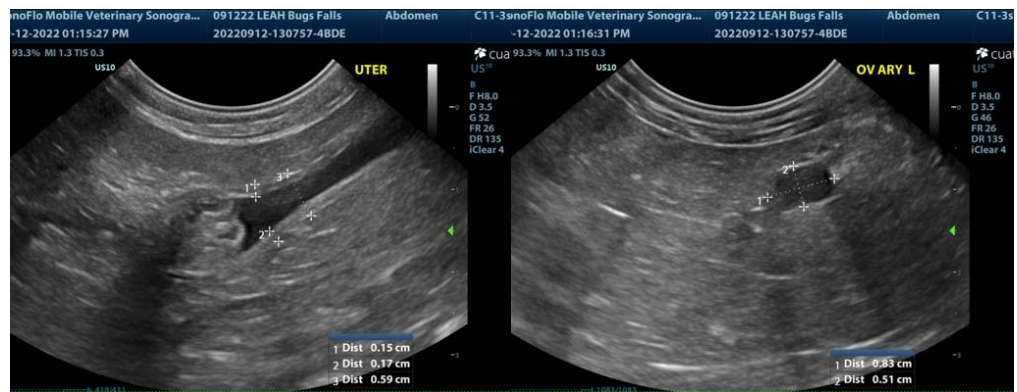
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

**Eric Lindquist, DMV, DABVP, Cert. IVUSS, CEO of SonoPath.com**  
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