



PATIENT

Molly DeRenzo

PRESENTING CLINICAL SIGNS

SPECIES

Canine

BREED

Beagle

SEX

Spayed Female

AGE

8 Years

WEIGHT

44 Pounds

Owner's first and last name: Suzanne DeRenzo Species: Canine Gender(altered?) FS Age: 8 yrs Weight in #: 44.4 Breed: Beagle mix History- Coughing. Obesity. Full canine wellness sent to the lab, results will be available tomorrow. Noted mass in left caudal abdomen during cystocentesis. Radiograph thorax and abdomen- Report Radiographic Findings 2 orthogonal projections of the abdomen, and 5 orthogonal projections of the thorax and cervical region are provided. Thorax : the included portion of pharynx and larynx are normal. There is scant is transient gas in the esophagus. There is minimal variation in tracheal diameter between projections. The patient is mildly hypoinflated. The cardiovascular structures and pulmonary parenchyma are within normal limits. The pleural and mediastinal spaces are within normal limits. The patient is in higher body condition. There is minimal osteophytosis of the scapulohumeral and elbow joints. Abdomen : the liver is mildly enlarged. The spleen is normal. The gastrointestinal tract is within normal limits. The urinary tract is largely obscured by the intestinal tract. The urinary bladder is mildly distended. On the lateral projection, there is a fusiform soft tissue opacity superimposed on the dorsal aspect of the bladder, ventral to the colon. Abdominal serosal detail is appropriate. On the VD projection, there is an irregularly margined fat opacity overlying the left abdomen, however there is no concurrent visceral displacement and this is not seen on the other view and likely represents overlying fat or lipoma. Musculoskeletal structures are normal. Conclusion The soft tissue opacity overlying the urinary bladder on the lateral view is in the region of the uterus. Given that the patient is spayed, this could represent an abnormally enlarged uterine stump (e.g. stump pyometra or neoplasia) or superimposition of an adjacent structure (e.g. ureter, other non-urogenital tissue). Recommend correlation with complete abdominal ultrasound as clinically indicated. Mild nonspecific hepatomegaly. NOT SEDATED FOR SCAN

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

INTERPRETED BY

R. McKenzie Daniel,
DVM, DABVP

Urinary System

The urinary bladder, trigone, cystourethral junction, and visible pelvic urethra to a depth of 2.0 cm exhibited normal thickness and tone. Anechoic urine was present in the lumen with no uroliths or sediment. The ureteral papillae were normal. The ureters were not visible which is normal. No evidence of inflammatory or neoplastic changes were noted.

IMAGING BY

Loetitia Saint-Jacques,
LVT

Normal size and margination were present in the kidneys. A normal 1:3 cortex / medulla ratio and normal corticomedullary definition were maintained. The echogenicity of the cortex was similar to or slightly less than normal liver parenchyma while the medulla echogenicity was hypoechoic to the cortex with no evidence of pelvic dilation. The left kidney measured 6.2 cm. The right kidney measured 6.0 cm.

HOSPITAL NAME

Brighton Greens VH

Adrenal Glands

REFERRING VET

Dr. Robin Janeway

The adrenal glands were uniform in size and contour with a uniformly hypoechoic parenchyma. The left adrenal gland measured 0.44 cm at the cranial pole and 0.54 cm at the caudal pole. The right adrenal gland measured 0.52 cm at the cranial pole to 0.46 cm at the caudal pole.

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Spleen

The spleen exhibited a finely textured and homogenous parenchyma which was hyperechoic to the liver and renal cortical parenchyma. The capsule was smooth and regular without apparent

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Molly DeRenzo expansion. The splenic vasculature at the hilus was normal in volume with no evidence of congestion or thrombosis. Acute to chronic inflammatory, neoplastic, or benign parenchyma changes were not noted.

SPECIES

Canine **Liver**

BREED

Beagle The liver exhibited mild generalized enlargement with symmetrical contour and non-uniform to indistinctly nodular parenchyma with moderate coarse echotexture. The gallbladder was non distended in size with echogenic, nonmineralized, non dependent biliary sludge. The biliary sludge was non organized with a hypoechoic to anechoic, irregular to interrupted rim visible between the nondependent sludge and inner wall. No signs of peripheral inflammation. The common bile duct was normal.

SEX **Gastrointestinal**

Spayed Female The stomach presented intact wall layering with a normal wall layer ratio. The lumen of the stomach contained mild echogenic, nonshadowing ingesta most consistent with post prandial presentation without signs of ileus, obstruction or foreign material.

AGE

8 Years The small intestine presented intact wall layering with 1:3 muscularis/mucosa ratio. The lumen of the small intestine was empty with no signs of ileus, obstruction or foreign material.

WEIGHT

44 Pounds The colon walls presented intact yet prominent wall layering with mild thickened to echogenic submucosa. Nonformed to liquid fecal matter was present in the colon lumen with lumen dilation. Descending colon wall measured 0.27 cm. The descending colon contained a mild amount of semiformed to soft feces.

INTERPRETED BY **Pancreas**

R. McKenzie Daniel, DVM, DABVP The parenchyma of the left limb, body and right limb of the pancreas presented isoechoic to the adjacent omental fat. A normal curvilinear capsule contour of the pancreas was present. The visible pancreatic duct was normal. No signs of active inflammation or neoplastic disease was evident.

IMAGING BY

Free Abdomen

Loetitia Saint-Jacques, LVT The uterine stump noted ventral to the colon and dorsal to the urinary bladder exhibited generalized enlargement with hypoechoic to non-homogeneous echogenicity. No evidence of uterine stump luminal fluid. No evidence of parenchymal mineralization. The uterine remnant measured approximately 2.8 cm in length x 1.2 cm in width. Regional associated mid to caudal abdominal peritonitis was present exhibited by increased omental echogenicity and scant free fluid.

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REFERRING VET

Dr. Robin Janeway

ULTRASONOGRAPHIC FINDINGS

- Thickened uterine stump with regional peritonitis – inflamed uterine granuloma or potential emerging neoplasia possible, less likely uterine stump pyometra assuming no ovarian remnant.
- Sonographically unremarkable urinary bladder
- Possible mild distal colitis

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- Mild hepatomegaly with non-uniform parenchyma – vacuolar hepatitis, chronic active hepatitis, cholangiohepatitis, early fibrosis, cirrhosis, or other hepatopathy with areas of hematopoiesis or nodular hyperplasia possible. Neoplasia is considered a less likely differential diagnosis.

SPECIES

Canine

- Emerging partial gallbladder mucocele

BREED

Beagle

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Exploratory laparotomy with uterine stump resection, hepatic biopsy, and manual expression of the gallbladder may be considered. Gross inspection in the area of the previous left and right ovaries recommended if surgery is elected. Potential for possible adhesions to the urinary bladder and colon (given the inflamed presentation of the uterine stump and associated regional peritonitis) cannot be definitively excluded.

SEX

Spayed Female

The presence of gastric ingesta is likely indicative of recent meal ingestion. Potential for some degree of metabolic gastric stasis if documented NPO.

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WEIGHT

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R. McKenzie Daniel,
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Loetitia Saint-Jacques,
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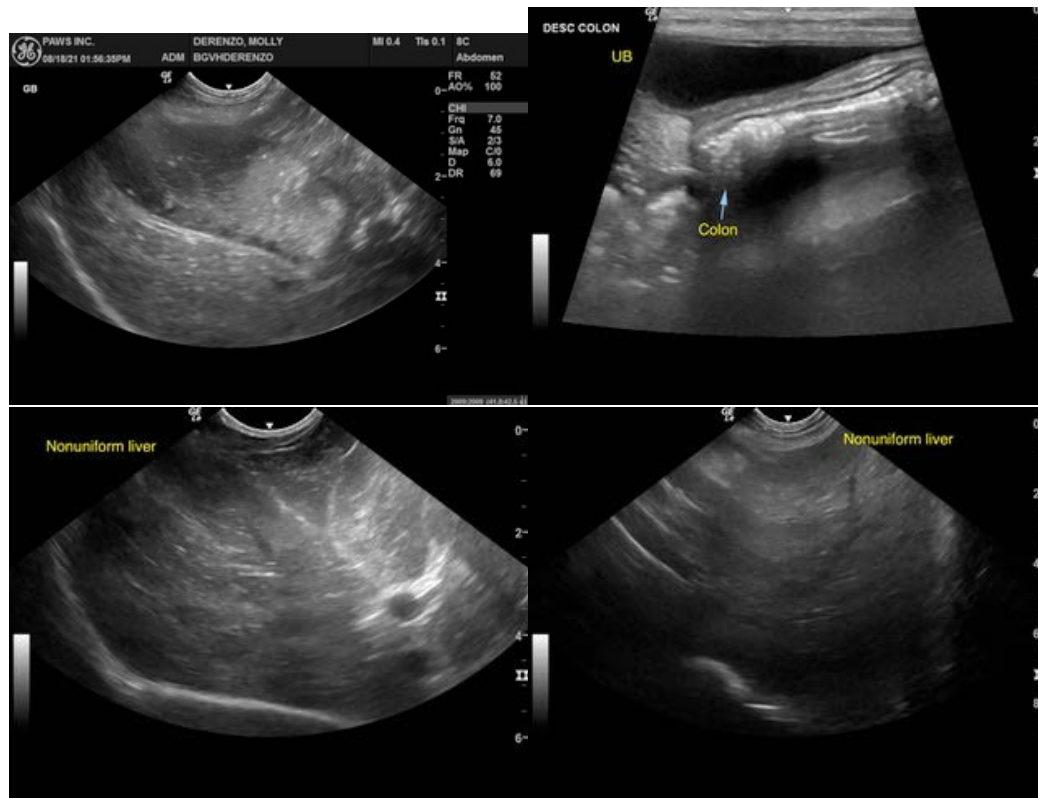
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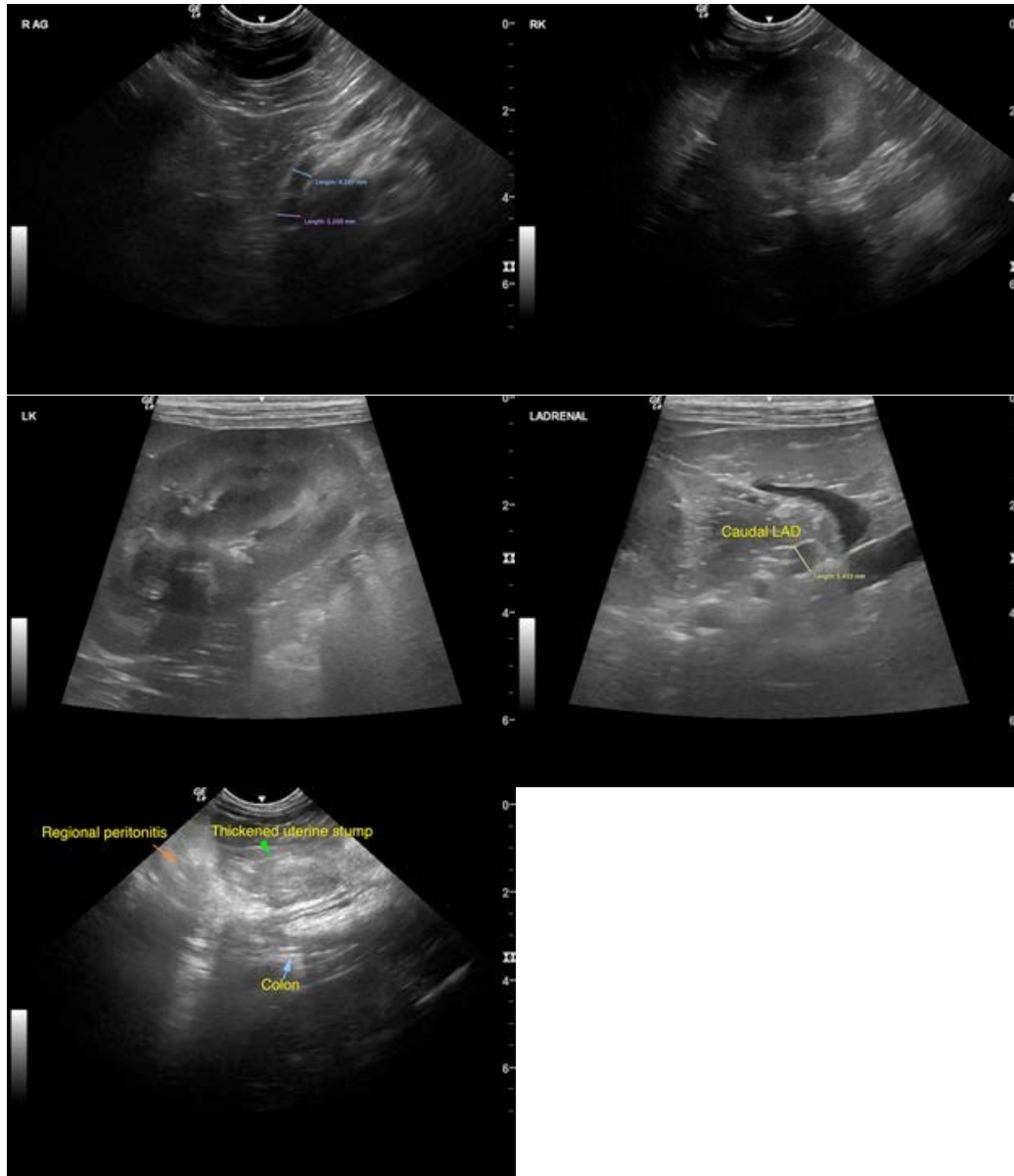
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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