

## PATIENT

Daisy Christopherson

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Spayed female

## AGE

6 years

## WEIGHT

62 lbs

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Sara Hansen

## HOSPITAL NAME

Albany AH

## REFERRING VET

Dr. Spangler

## DATE

3/30/23

**Invoice**  
43649

## PRESENTING CLINICAL SIGNS

History: Vaginal discharge - serosanguinous to frank blood, started ~1 week ago Possible mass effect palpable on rectal exam, ventral to rectum

Abnormal PE/Chem/CBC/UA Results: UA - Mild pyuria, non-squamous epithelial cells CBC/Chem pending - will send once received Current Medications carprofen 50mg PO q12h Radiographic Findings N/A

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. The ureters were not visible which is normal. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The uterine stump was thickened in this patient and measured 1.4 cm in thickness. The uterine stump impinges upon the pelvic urethra appears to be separate from it. The apex of the uterine stump was fluid filled in a region that measured 1.0 cm. Mild enhanced surrounding mesentery was noted. This is suggestive for inflammation. A hypoechoic, region caudal to the right kidney was noted and measured 3.2 cm. This is consistent with ovarian remnant. There is a potential for underlying neoplasia. The region of the left ovarian fossa was unremarkable with no evidence of pathology; however, this should be investigated at the time of surgery.

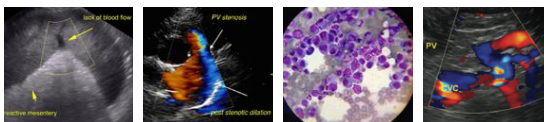
The **kidneys** revealed normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 6.24 cm. The left kidney measured 5.29 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. The left adrenal gland measured 2.57 x 0.83 cm at the caudal pole and 0.64 cm at the cranial pole. The right adrenal gland measured 2.57 x 1.16 cm at the cranial pole and 0.62 cm at the caudal pole.

### 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.



## PATIENT

Daisy Christopherson

## SPECIES

Canine

## BREED

Labrador Retriever

## SEX

Spayed female

## AGE

6 years

## WEIGHT

62 lbs

## INTERPRETED BY

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

## IMAGING PERFORMED BY

Sara Hansen

## HOSPITAL NAME

Albany AH

## REFERRING VET

Dr. Spangler

## DATE

3/30/23

Invoice  
43649

## 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.

## Gastrointestinal

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Small and large intestine demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

## Pancreas

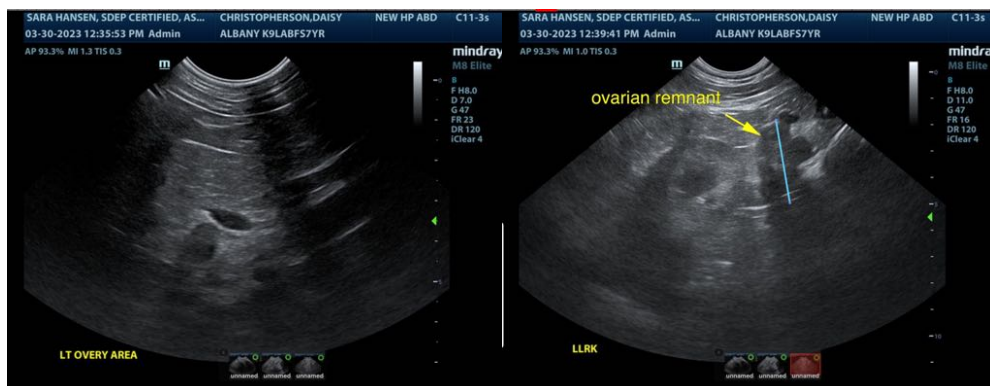
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

## ULTRASONOGRAPHIC FINDINGS

Right ovarian remnant with stump pyometra.

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Surgical intervention is recommended.





**PATIENT**

Daisy Christopherson

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Spayed female

**AGE**

6 years

**WEIGHT**

62 lbs

**INTERPRETED BY**

Eric Lindquist, DMV,  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Albany AH

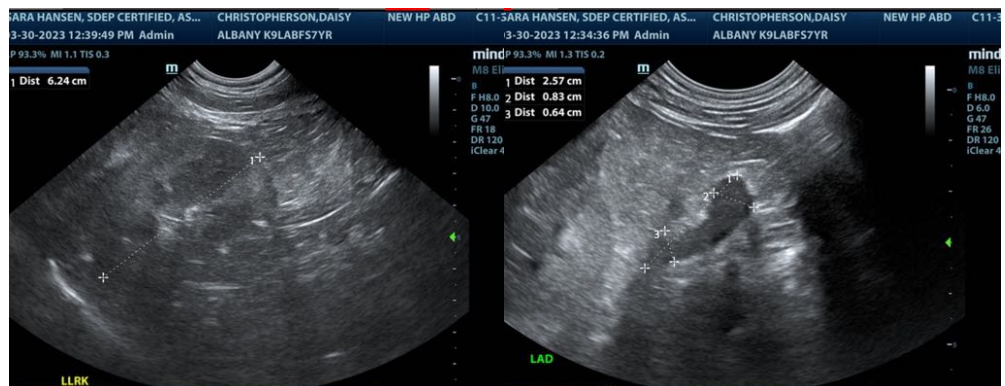
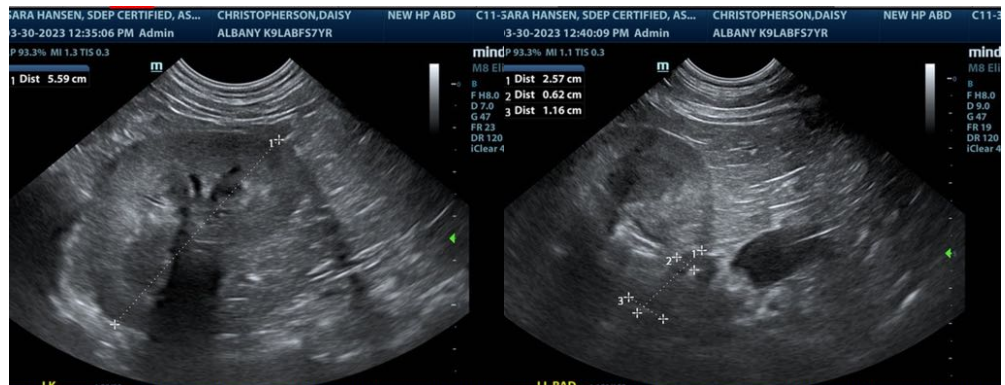
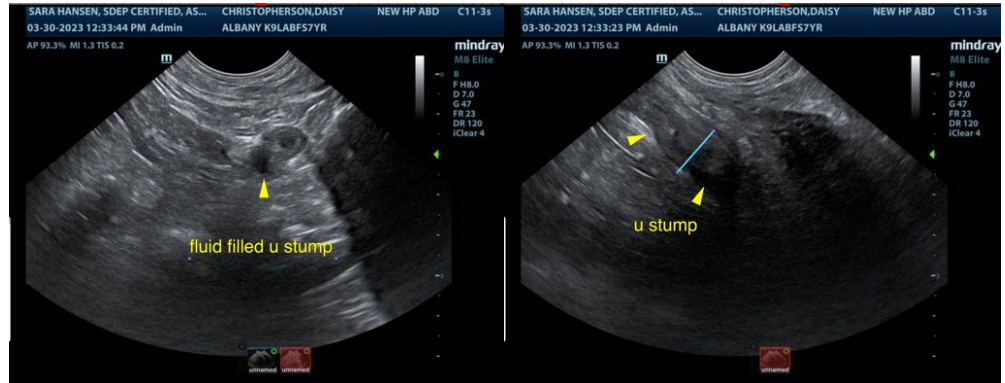
**REFERRING VET**

Dr. Spangler

**DATE**

3/30/23

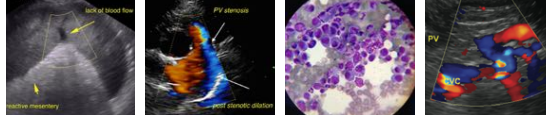
**Invoice**  
43649



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**



**PATIENT**

Daisy Christopherson

CEO of Sonopath.com

Eric.Lindquist@SonoPath.com

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

Spayed female

**AGE**

6 years

**WEIGHT**

62 lbs

**INTERPRETED BY**

**Eric Lindquist, DMV,**  
DABVP, Cert. IVUSS

**IMAGING  
PERFORMED BY**

Sara Hansen

**HOSPITAL NAME**

Albany AH

**REFERRING VET**

Dr. Spangler

**DATE**

3/30/23

**Invoice**  
43649