

**PATIENT PRESENTING CLINICAL SIGNS**

Zoey Meng T 99.3, HR 140, RR 28, BCS 5/9, PS 0, FAS yellow

**SPECIES ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN**  
*Urinary System*

Canine

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. 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.

**BREED**

Labrador Pit Mix

A hypoechoic tissue density was noted dorsal cranial to the apical bladder and appeared to be connected to the uterus with two cystic areas measuring 1.3 x 1.7 cm.

**SEX**

Spayed Female

The uterine horn revealed anechoic fluid and measured 1.3 cm. Left ovarian remnant was noted caudal to the left kidney.

**AGE**

2 years

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.

**WEIGHT**

65 lbs

*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.

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

*Spleen*

**HOSPITAL NAME**

SDEP Lab

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.

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*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.



**PATIENT**

**Gastrointestinal**

Zoey Meng

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. The mesenteric and epigastric lymph nodes are enlarged.

**SPECIES**

Canine

**BREED**

Labrador Pit Mix

**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.

**SEX**

Spayed Female

**Free Abdomen**

A slight amount of free fluid was noted cranial to the right kidney.

**AGE**

2 years

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

**WEIGHT**

65 lbs

The echocardiogram in this patient demonstrated normal **left atrial** size based on 3 separate methods of LA evaluation. The cranial and caudal **mitral** valve leaflets presented normal linear structure, extension in systole, and union in diastole with normal kinesis. The **left ventricle** presented thicknesses with linear contour and was not dilated nor restricted. The **myocardium** presented normal echogenicity without subjective evidence of significant fibrotic or ischemic disease. **Contractility** of the ventricular walls was adequate and in normal range for this patient evidenced by the fractional shortening measurement and subjective evaluation of the different regions of the myocardium. The **left ventricular outflow** tract demonstrated normal laminar flow and subjective structural integrity. The **right atrium** and auricle revealed normal size, structure and content. No evidence of masses was noted. **Tricuspid** valvular assessment demonstrated adequate linear morphology and kinesis. The **right ventricle** was of normal size (1/3 diameter of LV), chordae structure, myocardial echogenicity and thickness. **Pulmonary outflow** tract assessment revealed normal valve structure, laminar flow, and diameter (approx. 1:1 pa/ao ratio). No visible **pericardial** or free pleura fluid was noted. The cranial **mediastinum and pericardial and extra-cardiac regions** were free of masses in the visible window.

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**ULTRASONOGRAPHIC FINDINGS**

Uterine horn and left ovary remnant. Incomplete spay.

Enlarged epigastric and mesenteric lymph nodes.

Tissue density dorsal cranial to the apical bladder appeared to be connected to the uterus with two cystic areas measuring 1.3 x 1.7 cm.

Free fluid cranial to the right kidney.

Normal echocardiogram.



**PATIENT**

Zoey Meng

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

A recheck is recommended in 3 months or sooner. The owner should watch for any signs of heat.

**SPECIES**

Canine

**BREED**

Labrador Pit Mix

**SEX**

Spayed Female

**AGE**

2 years

**WEIGHT**

65 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
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**HOSPITAL NAME**

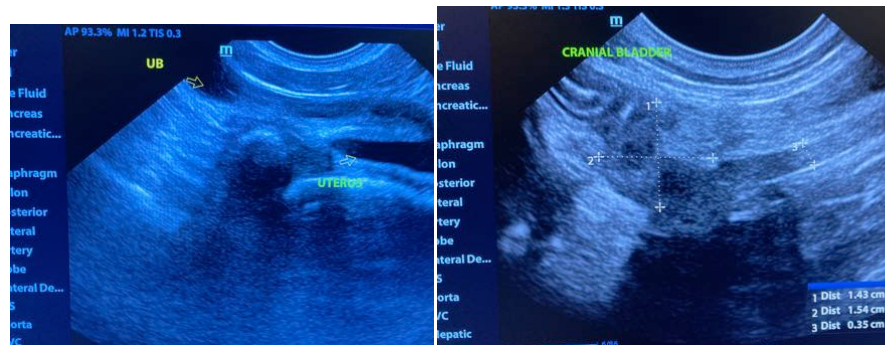
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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