

Bergie Murphy  
Dr. Pet

## PRESENTING CLINICAL SIGNS

**SPECIES** all normal- geriatric screening

Canine

## ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

### BREED *Urinary System*

Lab Retriever The urinary bladder is moderately distended with anechoic urine. The Bladder wall, trigone, ureteral papillae and visible urethra (to a depth of 2cm) appear normal with no evidence of wall thickening, mucosal irregularities, masses or cystic calculi.

### SEX

Neutered Male The prostate is normal in size (0.9 cm) and shape for this neutered male dog. The parenchyma is homogenous and the external margins are smooth. The prostatic urethra appears normal with no evidence of irregularity, invasion, mass effect or calculi.

### AGE

10 Years The left kidney has a normal shape and size (5.89 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

### WEIGHT

80 Pounds The right kidney has a normal shape and size (6.87 cm). Overall echogenicity is normal with adequate corticomedullary distinction and a typical 1:3 cortex:medulla ratio. There is no evidence of perinephric inflammation or effusion. There is no evidence of pyelectasia, nephroliths, infarcts or hydroureter. Renal vasculature is normal.

### *Adrenal Glands*

#### INTERPRETED BY

Kathleen Sennello DVM,  
MS, Diplomate ACVIM  
(Small Animal Internal  
Medicine)

The left adrenal gland is normal in size measuring 0.59 cm at the caudal pole. It is observed in its normal position cranial to the left renal artery. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

The right adrenal gland is normal in size measuring 0.53 cm at the caudal pole. It is observed in its normal position between the cranial aspect of the right kidney and the caudal vena cava. It is normal in appearance (uniformly hypoechoic) and shape with no evidence of a mass effect.

#### IMAGING BY

Loetitia Saint-Jacques,  
LVT

### *Spleen*

The spleen is normal in size and echogenicity, and mildly irregular in shape. The blood flow through the hilus and splenic parenchyma appears normal. There is a mostly isoechoic (slightly hyperechoic) bulge at the medial aspect of the liver at the level of the hilus. No discrete mass effect is visualized, but an underlying neoplastic lesion cannot be 100% excluded. Suspect this is a normal anatomic variant.

#### HOSPITAL NAME

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### *Liver*

The liver is subjectively normal in size, and echogenicity with smooth peripheral margins. The parenchyma is homogenous echotexture. The visible portions of the vasculature and biliary tract appear normal. No focal nodules or cystic lesions are observed.

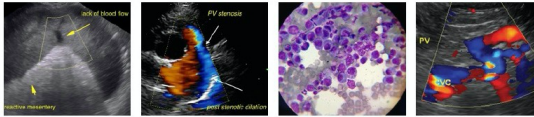
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The gallbladder lumen is moderately distended. The wall of the gall bladder is not thickened and has a smooth mucosal surface. Luminal contents are primarily anechoic. The cystic and common bile ducts are normal/not visible.

#### DATE

3/30/22



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**SPECIES**

Canine

**BREED**

Lab Retriever

**SEX**

Neutered Male

**AGE**

10 Years

**WEIGHT**

80 Pounds

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**Gastrointestinal**

The stomach contains minimal luminal contents. It measures at a normal thickness of <0.7cm with some variability due to the presence of rugal folds. The distinction of the gastric wall layers is adequate and there is no impression of reduced peristaltic activity. No masses or focal lesions were observed.

The visualized areas of duodenum, jejunum and ileum have a relatively uniform diameter with minimal fluid distension. Wall thickness is normal. Bowel loops follow a curvilinear path with distinct wall layering maintaining the typical 1:3 muscularis:mucosa layer ratio. The duodenum measured as normal (between 0.3-0.5cm in wall thickness) and the jejunum measured as normal (between 0.2-0.47cm.) Visualized peristalsis appears appropriate. There were no focal lesions consistent with obstruction or a mass effect observed.

The ileocecal junction was visualized and exhibited normal intact wall layering and is subjectively of normal thickness. Sections of colon are visualized with formed fecal material and gas shadowing distally. There is no observed focal or generalized colon wall thickening or loss of layering.

**Pancreas**

The pancreas is normal and isoechoic to surrounding mesentery. There is no evidence of nodules or cystic lesions. There is no evidence of regional mesenteric inflammation or fluid.

**Free Abdomen**

Evaluation of the peritoneal cavity did not reveal any evidence of effusion, or subjective lymphadenomegaly. The Medial iliac nodes appear normal and there was no evidence of a caudal aortic thrombus at the bifurcation. The omentum is of normal uniform echogenicity.

**Other**

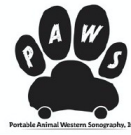
A brief view of the heart was submitted. No significant pericardial effusion was seen.

**ULTRASONOGRAPHIC FINDINGS**

- Iso- to hyperechoic bulge at the level of the hilus and the spleen. This is suspected to be an anatomic variation, but a primary liver mass lesion cannot be excluded as a possibility.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Today's scan looks good. There is a mild iso- to hyperechoic bulge at the medial aspect of the spleen near the hilus. This is suspected to be a normal anatomic variation, but an underlying mass effect cannot be excluded as a possibility. Consider continued monitoring with a recheck ultrasound in 8-10 weeks. If that looks good, then extend to 3 months, 6 months, etc.



Portland Animal Western Sonography, Inc.

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**BREED**

Lab Retriever

**SEX**

Neutered Male

**AGE**

10 Years

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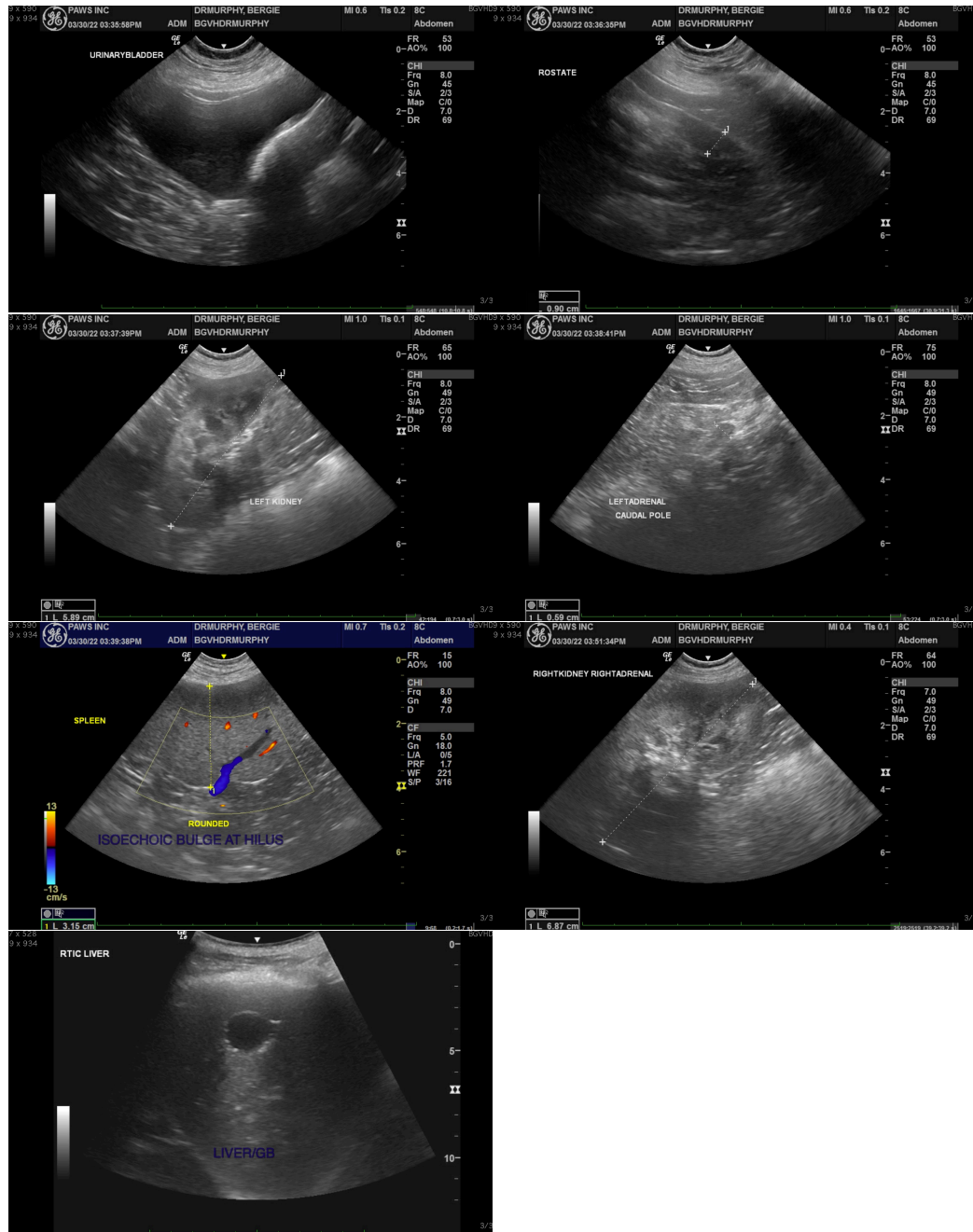
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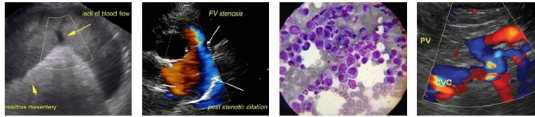
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**The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.**

**SPECIES**

Canine

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.

**BREED**

Lab Retriever

Kathleen Sennello DVM,MS, Diplomate ACVIM (Small animal Internal Medicine)  
kathleen.sennello@sonopath.com

**SEX**

Neutered Male

**AGE**

10 Years

**WEIGHT**

80 Pounds

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