



PATIENT

Betsy Rose Rowan

SPECIES

Canine

BREED

Golden Retriever

SEX

Spayed Female

AGE

9 Years 7 Months

WEIGHT

75 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE

33593

DATE

12/20/21

PRESENTING CLINICAL SIGNS

Radiographs taken for rear leg lameness, spleen appeared irregular in size and shape. Abnormal PE/Chem/CBC/UA Results: PE: stiff in rear legs/back, otherwise WNL BW all WNL RADS: irregular, large spleen noted.

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. No uroliths or sediment were visualized and anechoic urine was present. No evidence of inflammatory or neoplastic changes were noted. Ureteral papillae were normal. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction.

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 7.4 cm. The left kidney measured 7.33 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 0.64 cm at the caudal pole and 0.74 cm at the cranial pole.

Spleen

The **spleen** revealed a mixed echogenic micronodular, peripherally inflamed mass measuring 5.0 cm x 4.1 cm, deriving from the cranial pole. A separate mass was noted 4.0 cm from the caudal pole of the spleen. Heterogeneous changes noted elsewhere.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some age-related parenchymal remodeling was noted but likely not clinically significant at this time. Slight hypoechoic heterogeneous changes noted in the parenchyma, yet no obvious evidence of metastatic disease. However, this could not be completely ruled out. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.

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.



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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.

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Heart

Rapid view of the heart revealed no evident pathology in the right auricle or pericardium.

BREED

ULTRASONOGRAPHIC FINDINGS

Golden Retriever

- Splenic masses – suspect hemangiosarcoma, round cell neoplasia possible, histopathologically benign lesions also possible, yet less likely given the multiple changes. No overt evidence of rupture noted.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Recommend 3-view chest radiographs followed by splenectomy with liver inspection and biopsy. No contraindication to anesthetic procedure based on rapid echocardiogram.

AGE

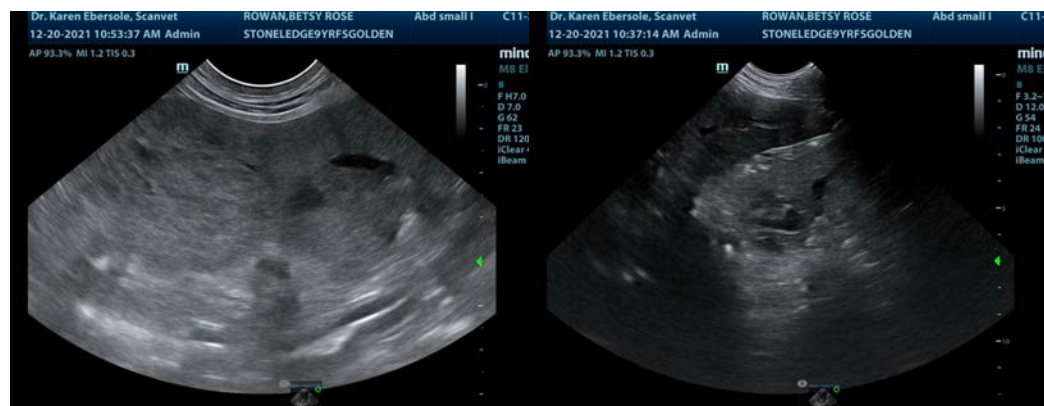
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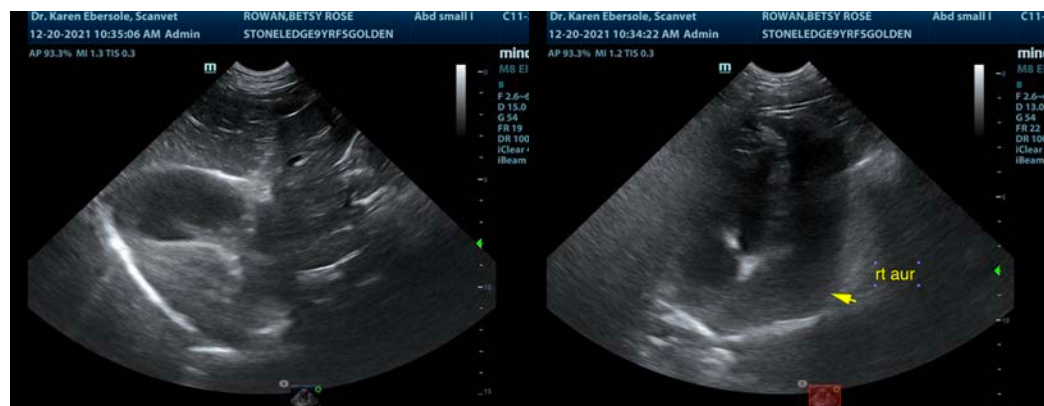
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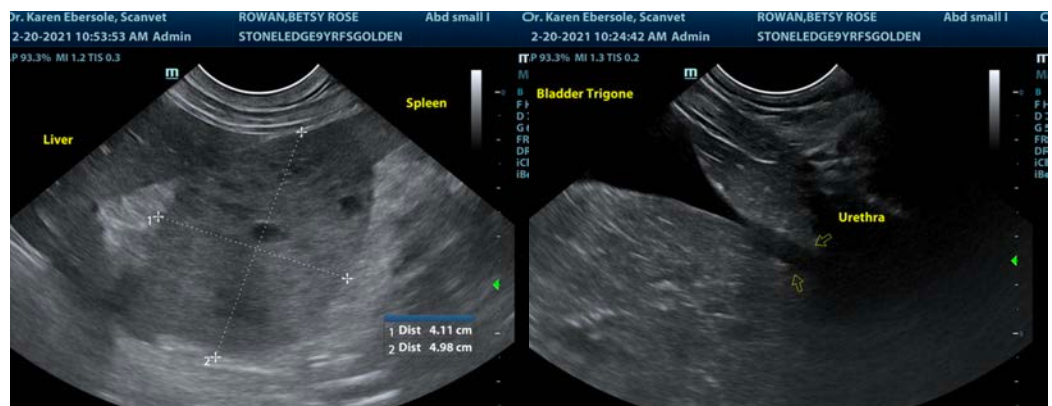
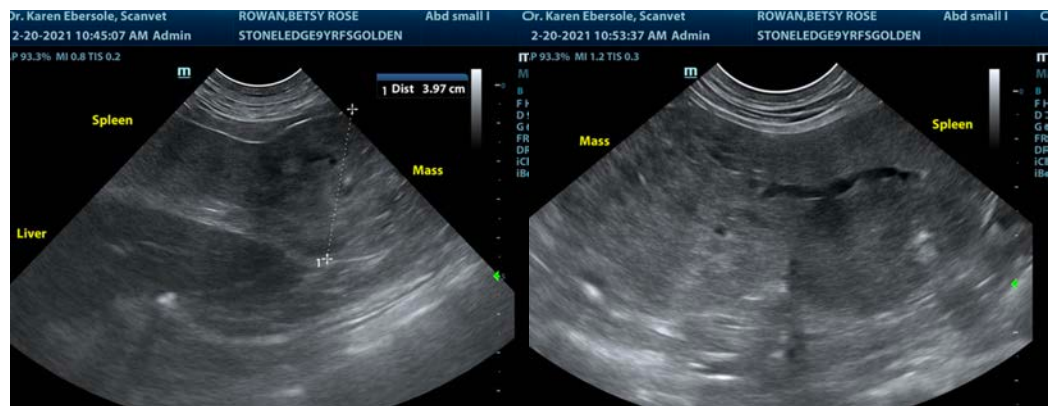
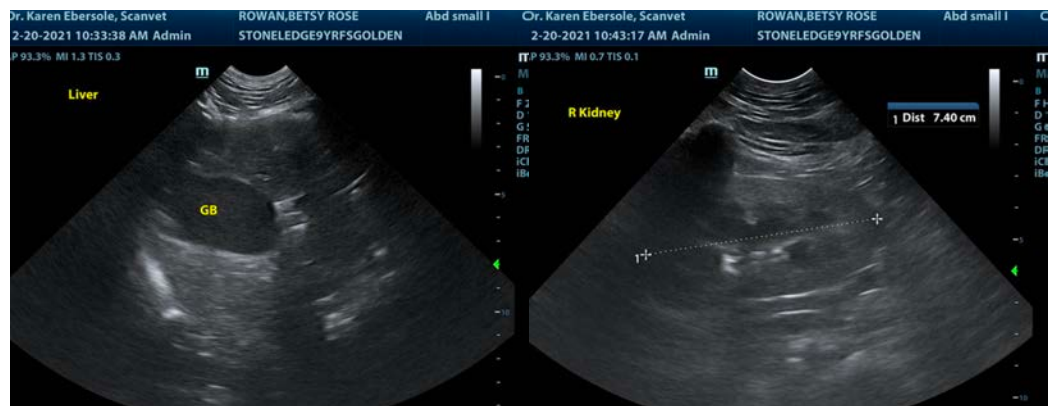
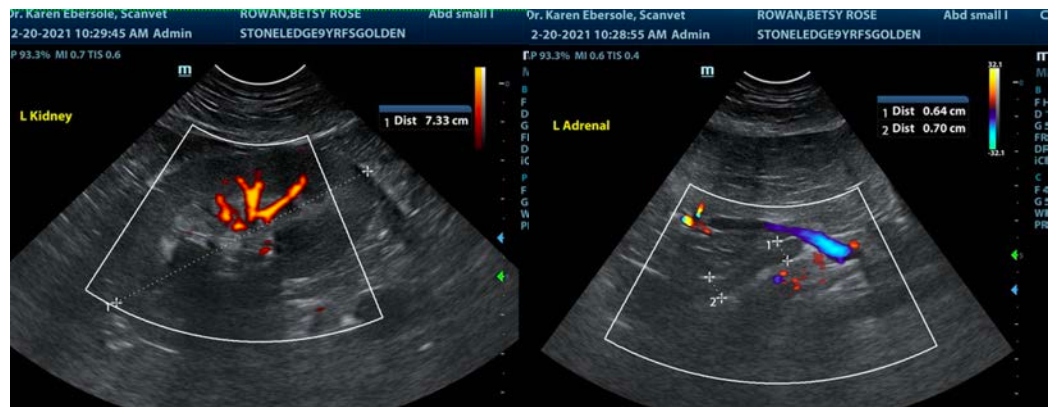
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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