



PATIENT

Murphy Smith

SPECIES

Canine

BREED

Min. Schnauzer

SEX

NM

AGE

7 years

WEIGHT

11.6 pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Ebersole

HOSPITAL NAME

Scanvet

REFERRING VET

Dr. Kaltsas

INVOICE

10548ag

DATE

05/09/2022

PRESENTING CLINICAL SIGNS

History: Recent back pain and history of cardiac disease (Dx at specialty clinic). Radiographs for back pain showed possible stones in Gall Bladder.

Abnormal PE/Chem/CBC/UA Results: RADS: multiple narrowed IVD spaces. Hepatomegaly with conglomerate mineral opaque GB calculi. Focally round caudal liver margin. ALP 189, proBNP 1660.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The urinary bladder, trigone, and pelvic urethra presented normal thicknesses and normal tone to a depth of 2 cm. 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 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 left kidney measured 3.94 cm in length. The right kidney measured 4.02 cm in length.

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 0.5 cm caudal pole width by 0.33 cm cranial pole width. The right adrenal gland measured 0.82 cm caudal pole width by 0.42 cm cranial pole width.

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 were noted.

Liver

The liver exhibited slight uniform swelling with slight coarse architecture and was otherwise structurally unremarkable. The gallbladder exhibited a group of polyps measuring 1.33 cm.

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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ULTRASONOGRAPHIC FINDINGS

- Benign hepatopathy with minor remodeling
- Mineralized gallbladder polyps

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

NM

The gallbladder polyps should be monitored to ensure they are not progressive yet appear benign and are non-obstructive at this time. No evidence of clinically significant biliary disease was noted. A progressive rise of the ALKP level could be expected with this type of benign hepatopathy.

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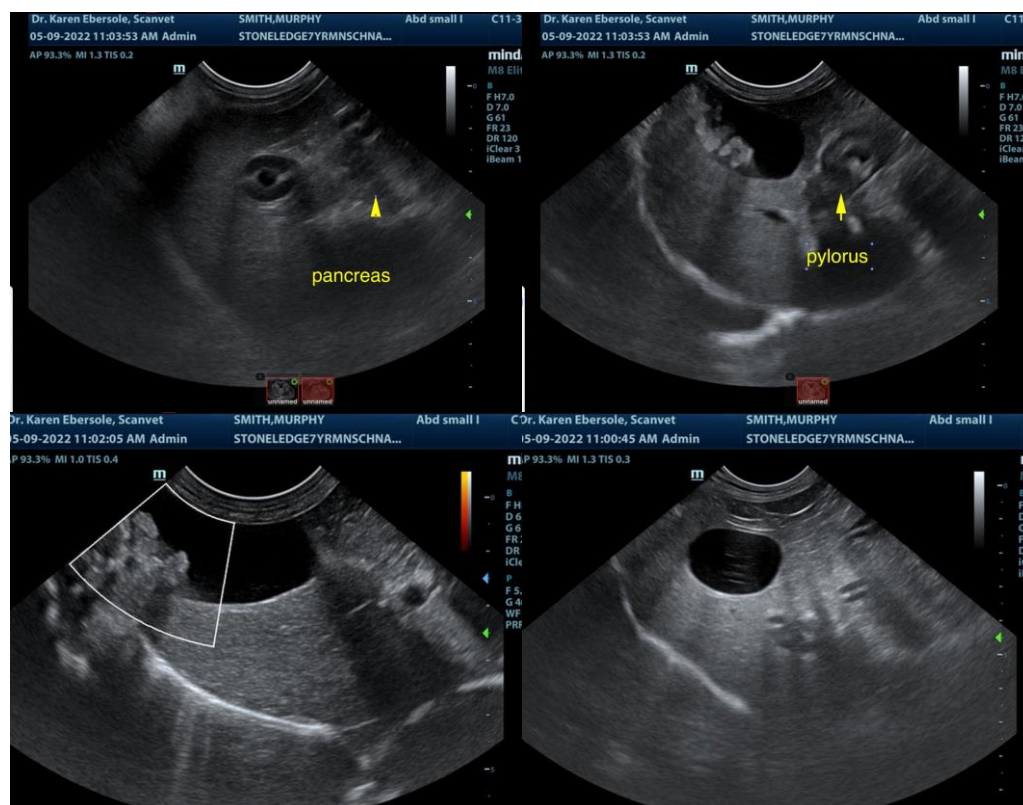
Dr. Kaltsas

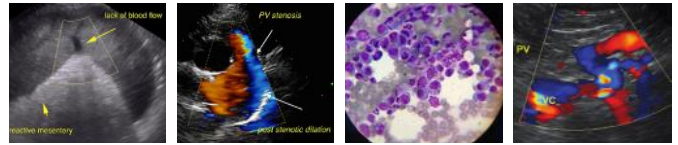
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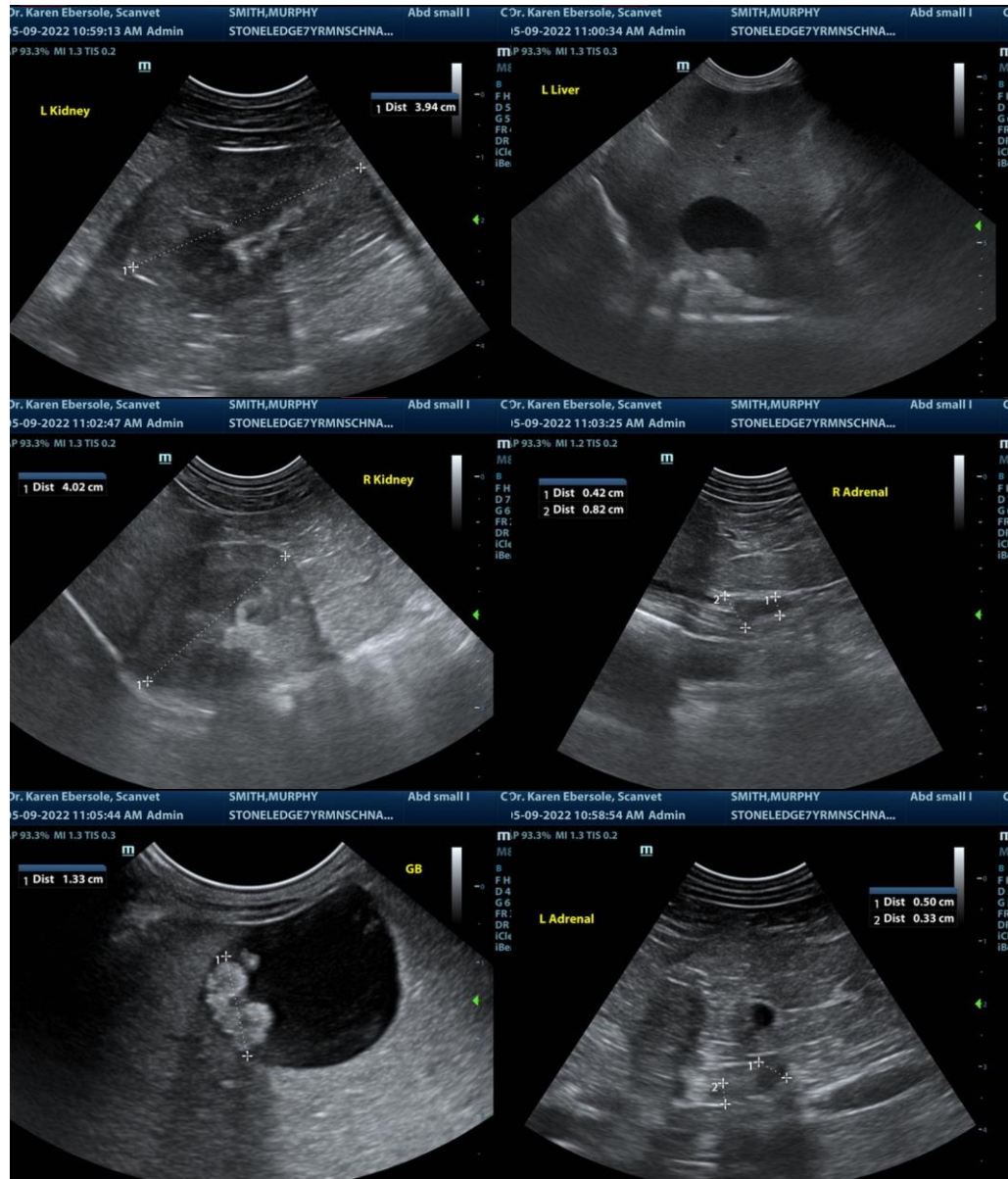
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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