



PATIENT PRESENTING CLINICAL SIGNS

Teaser Neugebauer
Hx: 1 week hx of mild inappetence and intermittent vomiting PE: moderate tenderness on deep palpation of cranial abdomen
Abnormal PE/Chem/CBC/UA Results: CBC: Neutrophilic monocytosis (NEUTS 15k) CHEM: normal spec cPL. Elevated ALP=597, ALT=178, GGT=20 Current Medications cerenia 24 mg q 24 h

SPECIES

Canine

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.

BREED

Border Terrier

SEX

Neutered Male

The **kidneys** revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some age-related loss of curvilinear patterns regarding the capsule and C/M junction. The cortices presented largely uniform texture with some increased echogenicity expected for his age patient. Medullary structure differed distinctly from that of the cortex and no evidence of pelvic dilation was present. The left kidney measured 4.25 cm. The right kidney measured 4.64 cm.

AGE

12 Years

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 right adrenal gland measured 1.2 cm x 0.33 cm at the cranial pole and 0.37 cm at the caudal pole. The left adrenal gland measured 1.47 cm x 0.37 cm at the cranial pole and 0.49 cm at the caudal pole.

WEIGHT

20.5 Pounds

INTERPRETED BY

Eric Lindquist, DMV,
DABVP, Cert. IVUSS

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. A subtle hypoechoic nodule was noted at the cranial pole of the spleen, measuring 1.5 cm x 1.0 cm, non-disruptive without capsular deviation. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes were noted.

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Bush Animal Hospital

Liver

REFERRING VET

Dr. Gibson

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. 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.

DATE

1/5/22

INVOICE

33982



PATIENT *Gastrointestinal*

Teaser Neugebauer The **stomach** itself was unremarkable. The upper duodenum was slightly spastic. The remainder of the gastrointestinal tract was unremarkable.

SPECIES *Pancreas*

Canine The right limb of the **pancreas** presents heterogeneous mixed echogenic changes measuring 3.0 cm x 2.0 cm, enveloping the upper duodenum, which was slightly spastic. Focal smoldering chronic active pancreatitis suspected.

BREED *Free Abdomen*

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

SEX **ULTRASONOGRAPHIC FINDINGS**

- Neutered Male
- Geriatric abdomen with splenic nodule to monitor +/- FNA
 - Chronic active pancreatitis right limb

AGE **INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

12 Years Recheck sonogram in 7-10 days to assess the pancreas and splenic nodule +/- FNA of the splenic nodule. Subxiphoid palpation is recommended to assess for pain or discomfort associated with the pancreas. Bland diet such as ID or even hydrolyzed diet recommended. Enrofloxacin/Metronidazole combination warranted. Nodular hyperplasia likely in the spleen. Emerging round cell neoplasia or hemangiosarcoma also possible.

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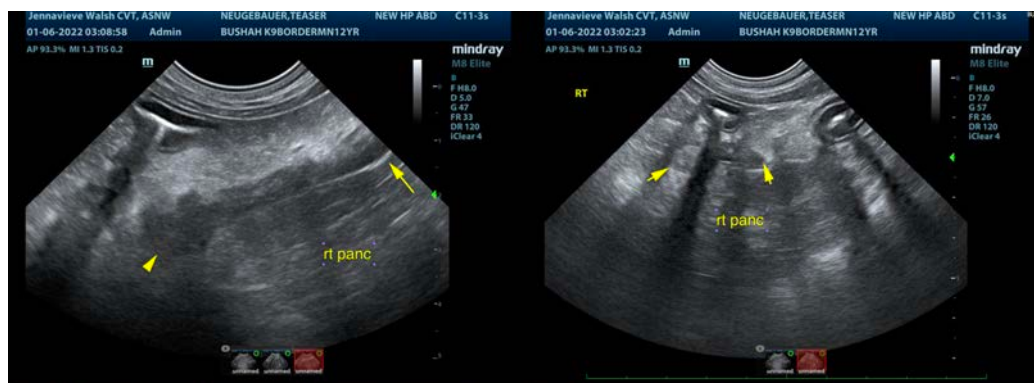
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Neutered Male

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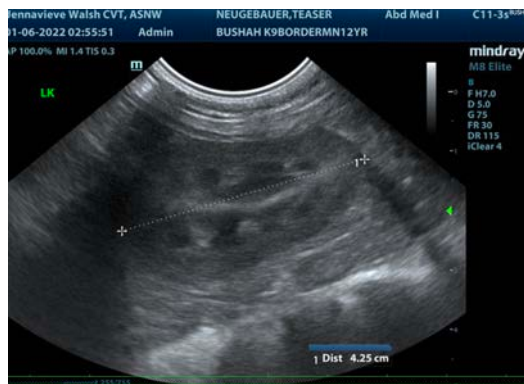
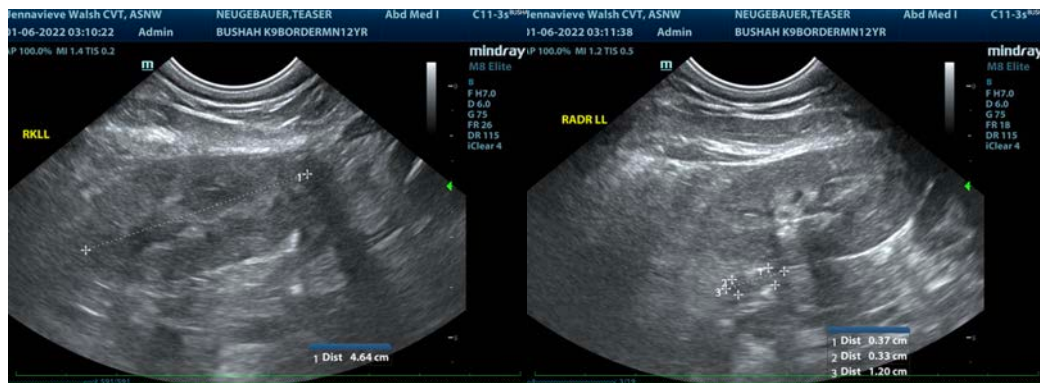
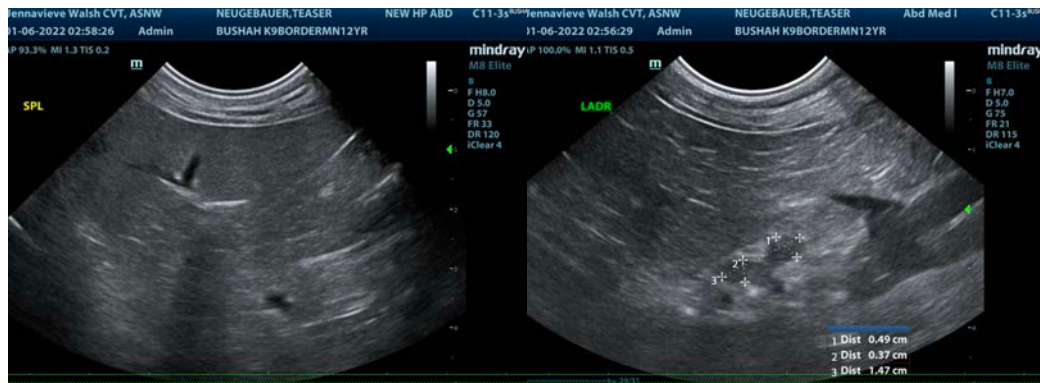
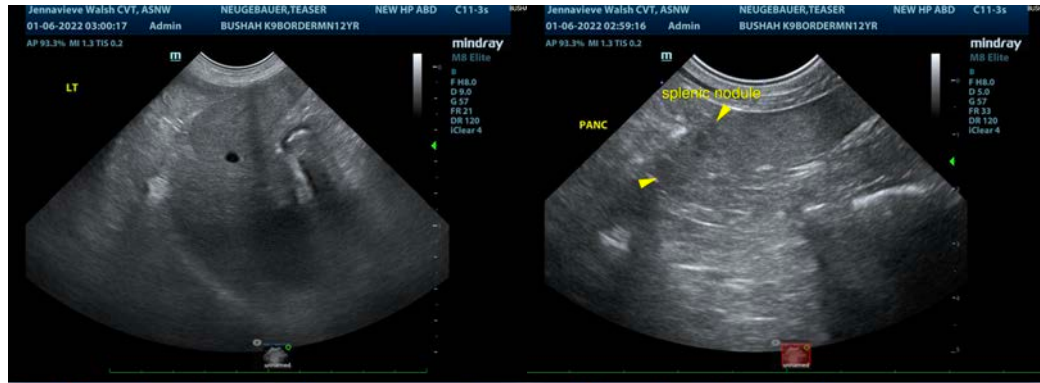
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PATIENT

Teaser Neugebauer

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.

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

Border Terrier

Eric Lindquist, DMV, DABVP, Cert. IVUSS

CEO of Sonopath.com

SEX

Neutered Male

Eric.Lindquist@SonoPath.com

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