



PATIENT

Archie Groschel

PRESENTING CLINICAL SIGNS

History: Chronic GI issues, poor appetite, loose stools. (Prior US report invoice #16094 attached).
Current meds: Tylan powder
Abnormal PE/Chem/CBC/UA Results: ALKP 663, BUN 50, Creat .8

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 was noted. Ureteral papillae were normal.

BREED

Pug

SEX

Neutered male

The residual prostate measured 0.62 cm.

AGE

15 years

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. Mineralization was noted in the kidneys. The right kidney measured 3.64 cm. The left kidney measured 3.76 cm.

WEIGHT

17.6 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. The left adrenal gland measured 1.46 x 0.43 cm at the cranial pole and 0.48 cm at the caudal pole.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Newton VH

REFERRING VET

Dr. Bladek

Spleen

The **spleen** presented a smooth homogeneous parenchyma hyperechoic to liver and renal cortical parenchyma. An occasional hyperechoic nodule was noted on the spleen; however, these nodules were non-disruptive and passive. The largest splenic nodule measured 0.65 cm and is most consistent with lipogranulomas. 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.

INVOICE

39699

DATE

9/29/22

Liver

The **liver** revealed coalescing masses that created an 8+ cm mass that occupied the left cranial liver and impinged upon the diaphragm cranially and the gallbladder medially. Concurrent nodular changes were noted in the liver. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal.



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Gastrointestinal

SPECIES

Canine

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.

BREED

Pug

Pancreas

SEX

Neutered male

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some parenchymal remodeling, however, with mild deviation from curvilinear normalcy was observed. Pancreatic duct and capsular irregularities were present consistent with age related changes. If pain upon imaging (+ Murphy sign) was present or if the patient is focally painful in subxiphoid palpation then low-grade smoldering chronic pancreatitis should be suspected.

AGE

15 years

ULTRASONOGRAPHIC FINDINGS

Hepatic mass, potentially resectable.

WEIGHT

17.6 lbs

Age related renal changes with mineralization.

Subjectively benign splenic nodules.

Otherwise, unremarkable abdomen.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

CT evaluation for surgical planning is warranted.

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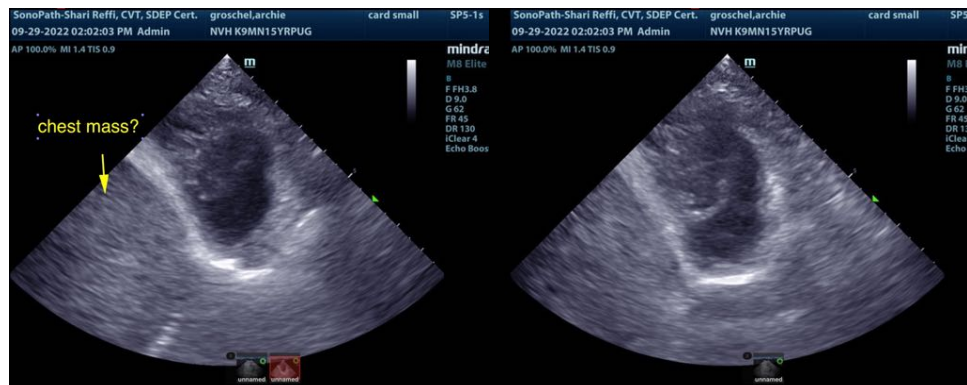
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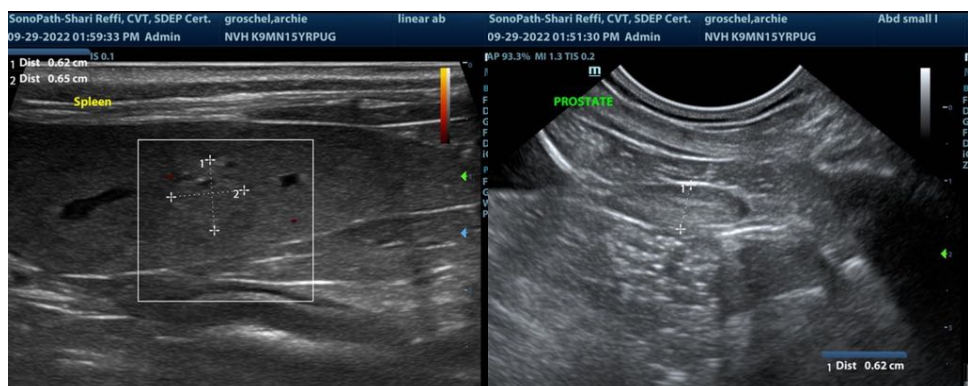
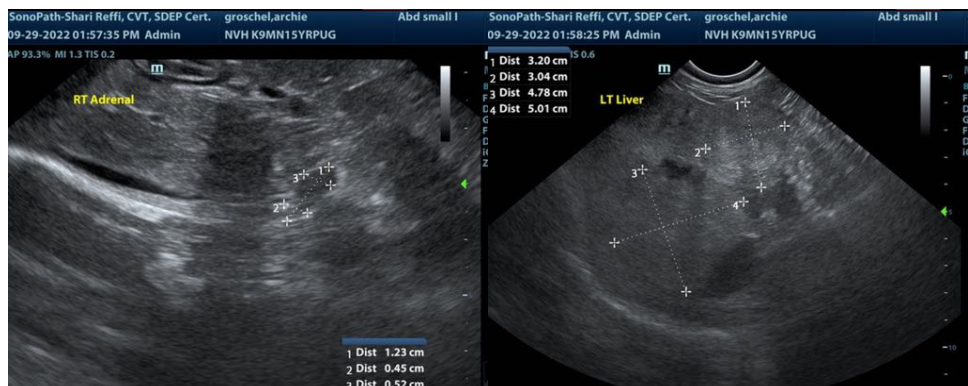
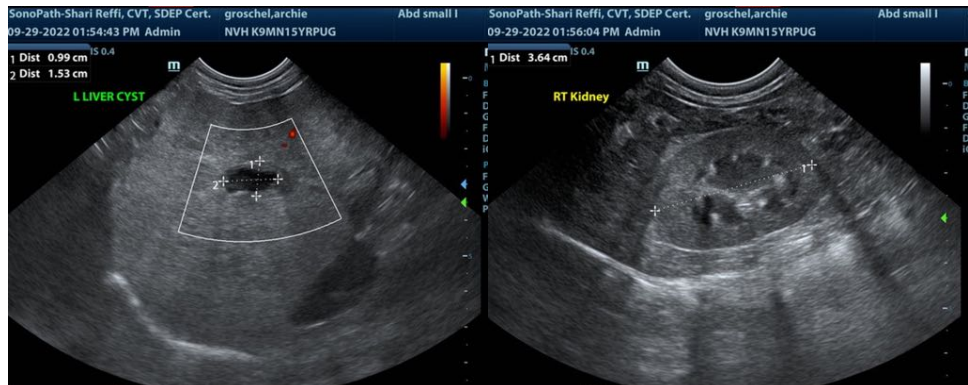
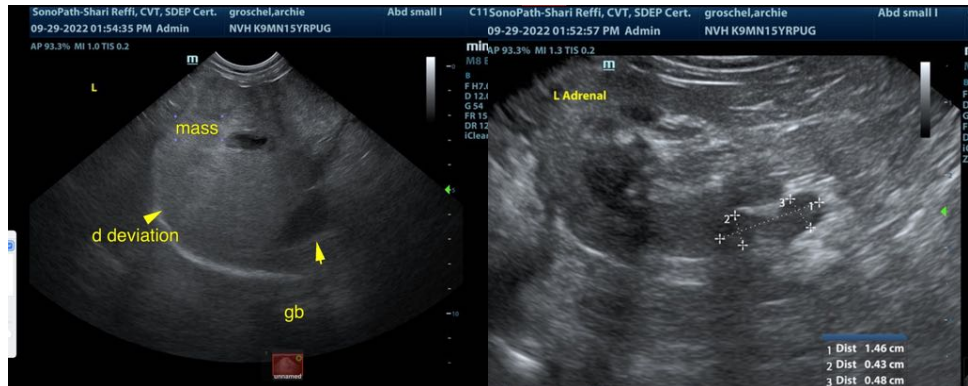
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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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

Pug

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

SEX

Neutered male

AGE

15 years

WEIGHT

17.6 lbs

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