



PATIENT PRESENTING CLINICAL SIGNS

Applesauce Cave Vomiting, lethargy
Abnormal PE/Chem/CBC/UA Results: Current Medications Proin 50mg
SPECIES ALT 1448, AST 57, ALP 2120, GGT 44, Bili 0.6, BUN , USG 1.025, pyuria, white cells 10-15

Canine ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED *Urinary System*

French Bulldog 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.

SEX

Spayed Female

AGE

12 Years

WEIGHT

24 Pounds

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 4.37 cm. The right kidney measured 4.6 cm.

Adrenal Glands

The **right adrenal gland** was 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 1.78 cm x 1.12 cm at the cranial pole and 0.54 cm at the caudal pole.

The **left adrenal gland** was slightly enlarged at the caudal pole, measuring 0.73 cm at the caudal pole, 0.41 cm at the cranial pole, and 1.51 cm in length.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Jenna Walsh, CVT

HOSPITAL NAME

Countryside AC

REFERRING VET

Dr. Cox

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. 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.

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. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The **gallbladder** was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

INVOICE

35394

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2/2/22



PATIENT *Gastrointestinal*

Applesauce Cave Some retention of ingesta was noted in the **stomach**. The upper duodenum was mildly thickened. The distal small intestine was unremarkable.

SPECIES *Pancreas*

Canine The right limb of the pancreas was enlarged, irregular and hypoechoic with enhanced surrounding mesentery and coarse architecture, consistent with chronic active pancreatitis. The right limb of the pancreas enveloped the upper duodenum, likely contributing to delayed outflow.

BREED

French Bulldog

ULTRASONOGRAPHIC FINDINGS

SEX

- Chronic right limb pancreatitis with possible underlying neoplasia and post-hepatic obstruction
- Concurrent cholangiohepatitis

Spayed Female

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

12 Years

Ultrasound guided FNA of the pancreas and ideally the liver would be performed. The gallbladder was congested. Given the position of the right pancreatic pathology, envelopment of the common bile duct may be causing an issue as well.

WEIGHT

24 Pounds

Surgical approach may be necessary in this patient if IV fluid support and broad spectrum antibiotics, pain management and medical therapy does not allow for liberation of the common bile duct. Recheck sonogram in 48-72 hours depending upon clinical progression.

INTERPRETED BY

Eric Lindquist, DMV

The patient was not reported to be NPO at the time of the sonogram. However, significant stasis was present, and envelopment of the duodenum was noted by the pancreatic pathology.

DABVP, Cert. IVUSS

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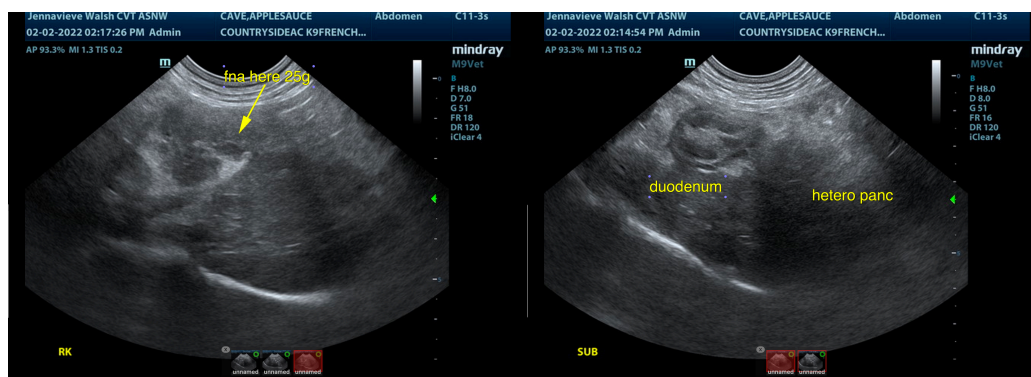
Dr. Cox

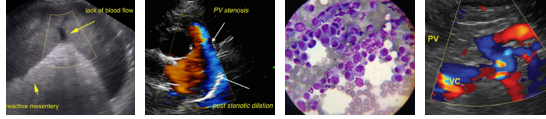
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Applesauce Cave

SPECIES

Canine

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French Bulldog

SEX

Spayed Female

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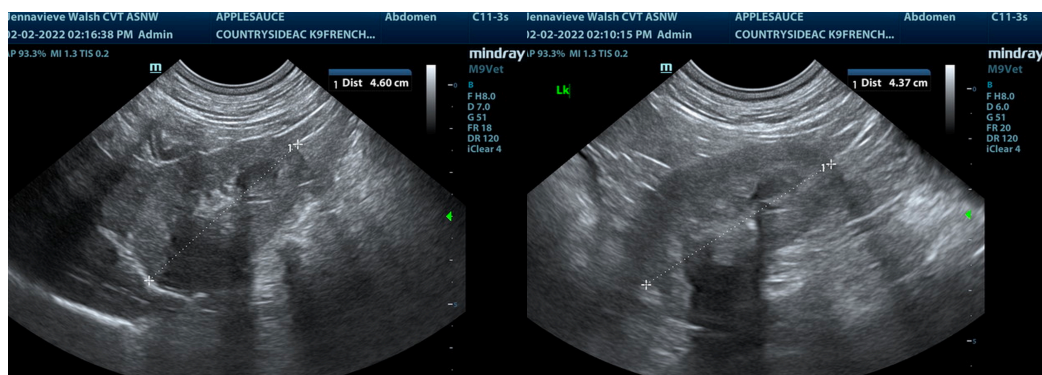
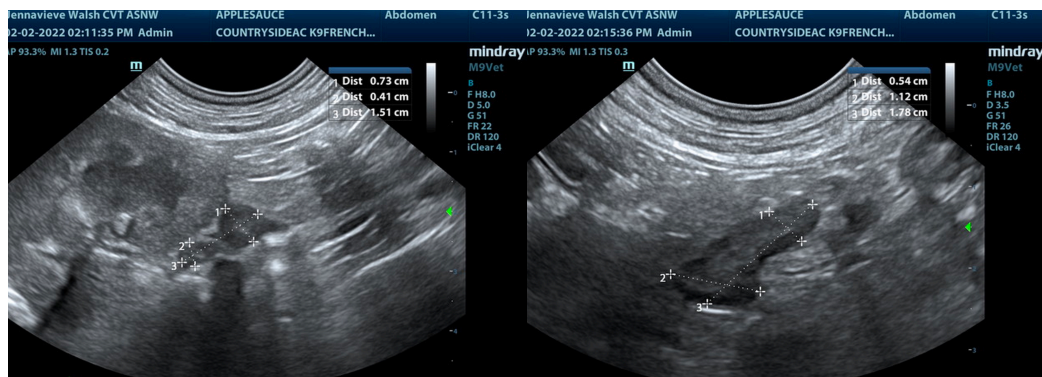
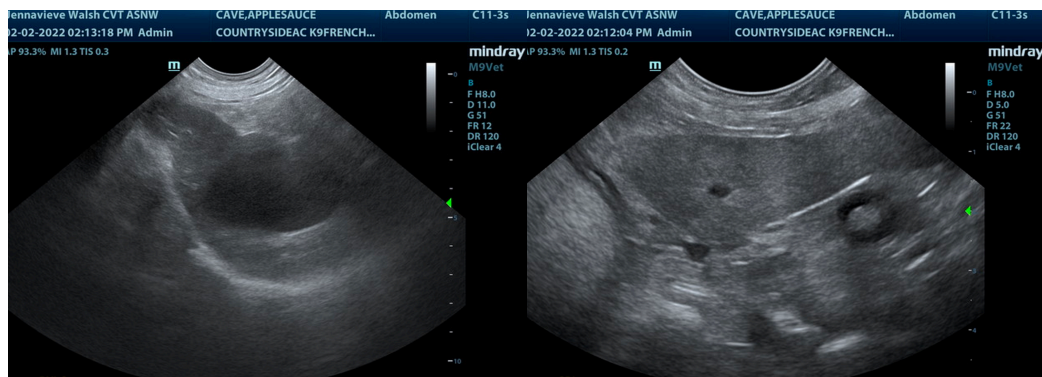
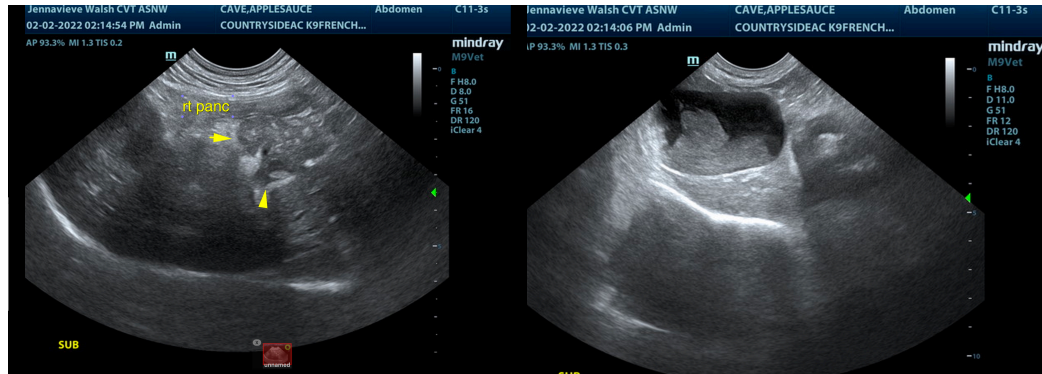
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PATIENT

Applesauce Cave

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.

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

BREED

French Bulldog

info@SonoPath.com

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Spayed Female

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