



PATIENT

Eddie Passarelli

SPECIES

Canine

BREED

German Shepherd

SEX

Neutered Male

AGE

6 Years 5 Months

WEIGHT

42 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Donna Markland, DVM

HOSPITAL NAME

Island Mobile Paws VS

REFERRING VET

Applecross VH

INVOICE

13173

DATE

9/19/21

PRESENTING CLINICAL SIGNS

History: Eddie has a history of a persistently elevated ALT. He has also had a few episodes of pancreatitis over the last year or so. Eddie presented on July 30 for two recent episodes of shaking in the hind legs and panting. He was alert during these episodes which lasted only about 5 seconds. Eddie has also gained weight (normal total T4). A CBC/Chem/T4 on July 30 was normal with the exception of the elevated ALT. A pre and post prandial bile acids test on August 14 was normal. Eddie is very stressed in clinic and was sedated with dexdomitor/butorphanol for this exam.

Abnormal PE/Chem/CBC/UA Results: July 30, 2021: ALT= 310 U/L (10-125) June 12, 2021: ALT=136

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 **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 6.43 cm. The right kidney measured 6.95 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 3.6 cm x 1.03 cm at the caudal pole and 0.77 cm at the cranial pole. The right adrenal gland measured 3.79 cm x 0.55 cm at the caudal pole and 0.59 cm at the cranial pole.

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. Caudal folding of the spleen was noted.

Liver

The **liver** revealed slight coarse architecture and minor generalized enlargement. The gallbladder was rounded with inspissated bile and partially mobile, consistent with emerging gallbladder mucocele. The cystic duct was dilated. No overt calculi noted in this patient; however a significant amount of bile sludge was present.

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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ULTRASONOGRAPHIC FINDINGS

- Emerging gallbladder mucocele
- Liver slight coarse architecture and minor generalized enlargement

BREED

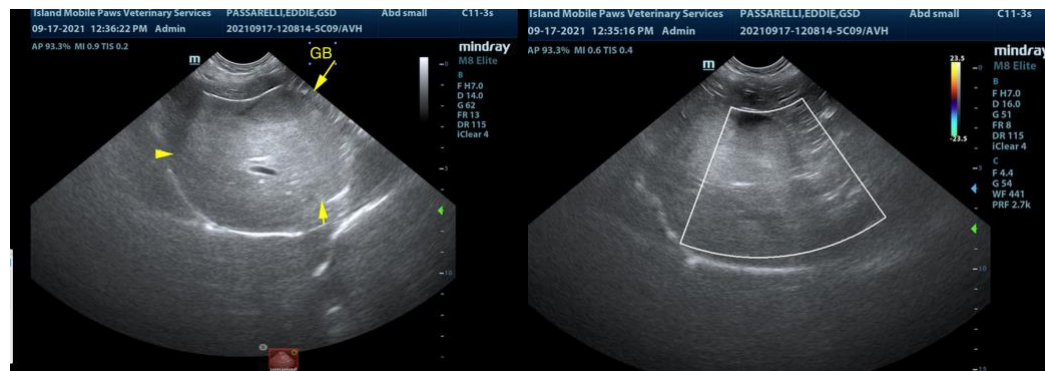
German Shepherd

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Gallbladder motility study would be ideal and empirical treatment with ursodiol over the next 6-8 weeks and recheck sonogram at that time. FNA of the liver could be justified for further definition of the ALT elevation.

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Neutered Male



AGE

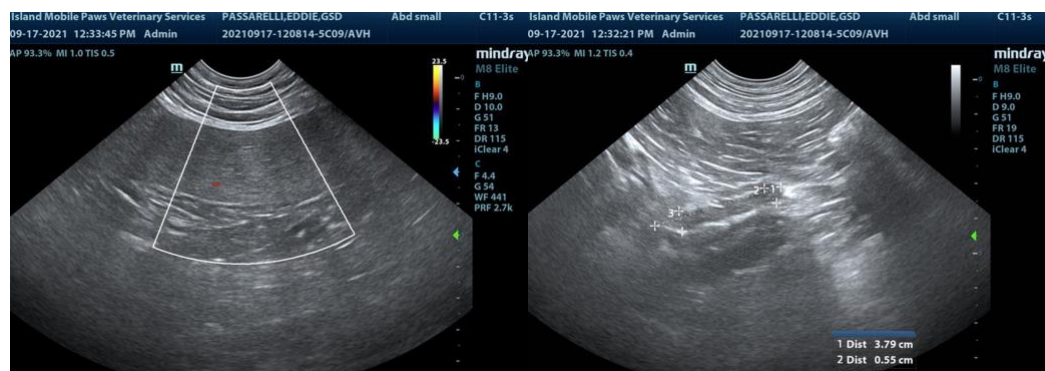
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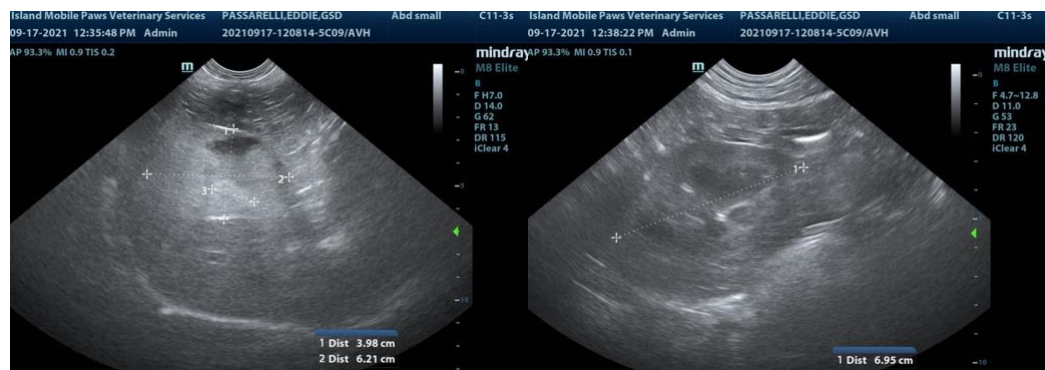
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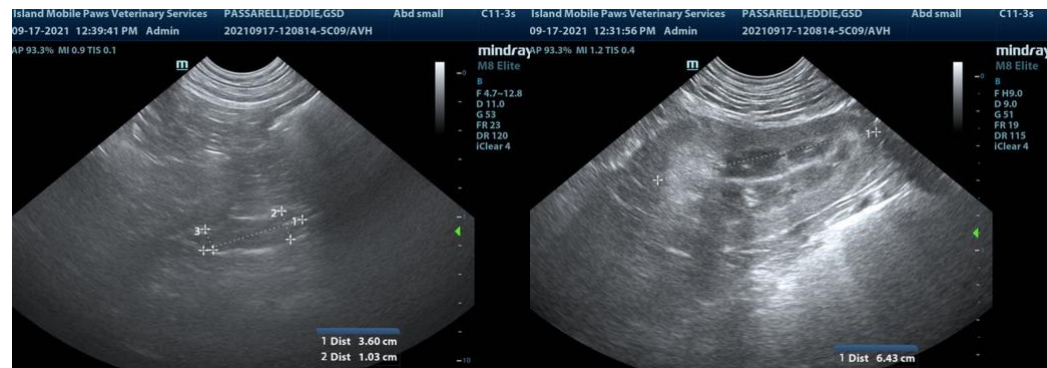
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
info@SonoPath.com