



PATIENT	PRESENTING CLINICAL SIGNS
Teya Preston	History: Needs a dental procedure. Pre-anesthetic bloodwork showed borderline anemia, mildly elevated ALT, and elevated lipase. Pyuria with no bacteria noted.
SPECIES	
Canine	Abnormal PE/Chem/CBC/UA Results: 12/08/21: RBC=5.3 (5.4-8.7) Hemoglobin=128 (134-207) HCT=0.38 (0.38-0.57) ALT=124 (18-121) Lipase=398 (0-250) usg=1.024 No RBCs 10-15 WBC/hpf 2+squamous epithelial cells No bacteria No crystals
BREED	
Boxer	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
SEX	Urinary System
Spayed Female	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.
AGE	
12 years	The kidneys revealed largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some minor 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 7.6 cm. The right kidney measured 7.4 cm.
WEIGHT	
32 kg	
INTERPRETED BY	Adrenal Glands
Eric Lindquist, DMV DABVP, Cert. IVUSS	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 2.23 cm x 0.41 cm at the caudal pole and 0.4 cm at the cranial pole.
IMAGING PERFORMED BY	Spleen
Dr. Markland	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 was noted.
HOSPITAL NAME	Liver
Island Mobile Paws VS	The liver revealed coarse architecture and mild increased portal markings. Occasional ill-defined hyperechoic nodule noted. The gallbladder and common bile duct were unremarkable.
REFERRING VET	Gastrointestinal
Prevost VC	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
INVOICE	
12996	
DATE	
12/10/21	



PATIENT

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demonstrated normal luminal chyme and stool consistency respectively. No obstructive or overt infiltrative disease was noted. No associated abnormal lymphatic activity was noted.

Pancreas

SPECIES

Canine

The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Some mild 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 subxyphoid palpation then low-grade smoldering chronic pancreatitis should be suspected. No evidence of significant inflammation.

BREED

Boxer

SEX

Spayed Female

- Hepatic remodeling and ill-defined nodular changes, likely chronic inflammatory hepatopathy with nodular hyperplasia and lipogranulomas.

AGE

12 years

- Age-related renal and pancreatic changes

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

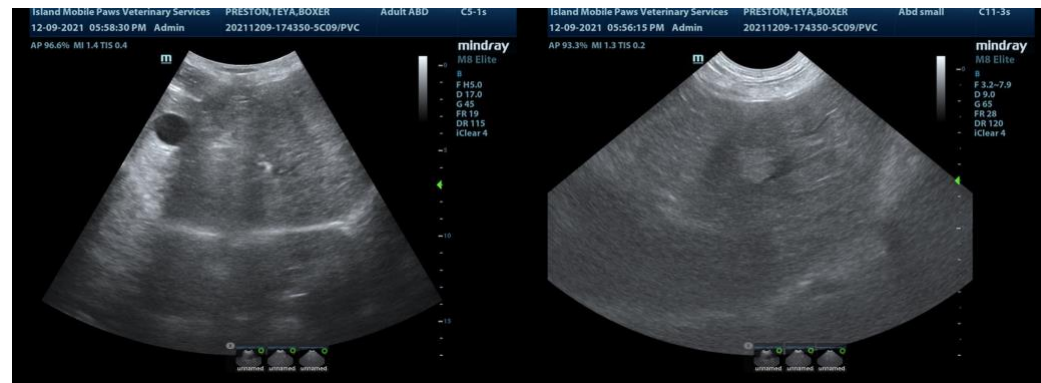
FNA of the liver warranted for further definition with sampling of the various echotextures. Bile acid profile would be ideal. The cause of anemia is unclear. Based on the sonogram, no overt pathology would contraindicate anesthetic procedure, however CBC path review indicated.

WEIGHT

32 kg

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS



IMAGING PERFORMED BY

Dr. Markland

HOSPITAL NAME

Island Mobile Paws
VS

REFERRING VET

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SPECIES

Canine

BREED

Boxer

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Spayed Female

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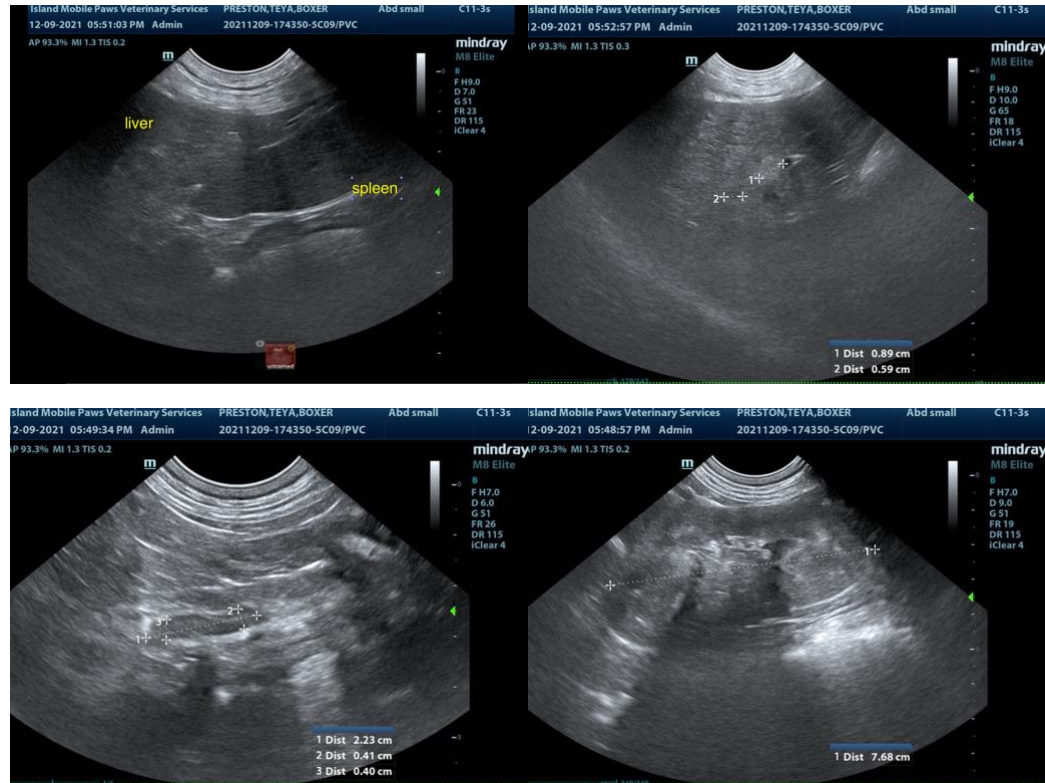
Prevost VC

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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