



PATIENT	PRESENTING CLINICAL SIGNS
Coconut Zimmerman	Presented at our hospital for being lethargic last week. Saturday morning O woke up to diarrhea in house, has been having diarrhea for 3 days, now O noticing blood in stool and vomited this morning. Nothing pt could have gotten into Previous Health Concerns: allergies Current Medications: apoquel Abnormal PE/Chem/CBC/UA Results: Radiographs – hepatomegaly; subjective thickening of GIT; Rounded heart on VD; age related pulmonary changes Fast scan- no signs of pericardial effusion CBC – WNL CHEM – K (5.6) ica (0.9) EPOC – ALT (165) ALP (812)
SPECIES	
Canine	
BREED	ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN
Maltese	Urinary System
SEX	The bladder in this patient was mildly thickened with slight echogenic mural changes. No calculi or masses were noted. Slight micropolypoid changes were noted. This is a frequent finding in older animals and may be linked to a history of chronic urinary tract infection or active urinary tract infection. Urinalysis would be recommended with culture if any evidence of inflammatory sediment is present. The region of the trigone and visible pelvic urethra were normal. The pelvic urethra was imaged 3.0 cm beyond the cystourethral junction. The residual prostate measured 5.0 mm.
Neutered Male	
AGE	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 right kidney measured 5.43 cm. The left kidney measured 5.1 cm. Slight mineralizations noted in both kidneys.
12 Years	
WEIGHT	
6.9 kg	
INTERPRETED BY	Adrenal Glands
Eric Lindquist, DMV	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 2.35 cm x 0.50 cm at the cranial pole and 0.63 cm at the caudal pole.
DABVP, Cert. IVUSS	
IMAGING PERFORMED BY	Spleen
Erin Wicks	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.
HOSPITAL NAME	Liver
Shores VEC	The liver was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia. Occasional parenchymal cyst noted, not pathological.
REFERRING VET	Gastrointestinal
Dr. Miller	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	
37871	
DATE	
5/23/22	



PATIENT

Coconut Zimmerman

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. 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.

BREED

Maltese

ULTRASONOGRAPHIC FINDINGS

SEX

Neutered Male

- Structurally unremarkable geriatric abdomen.
- Age related renal and hepatic changes with benign hepatopathy, occasional hepatic cysts (not clinically significant).
- Minor bladder thickening.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No evidence of active pathology. Urinalysis warranted if not already performed.

AGE

12 Years

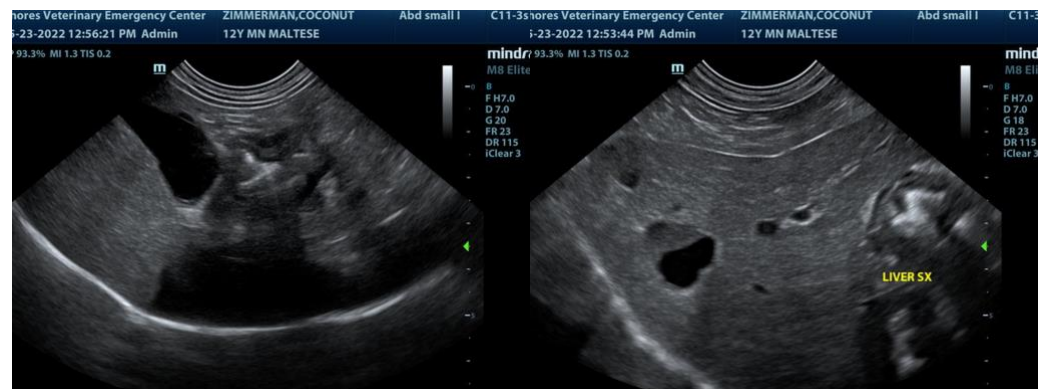
WEIGHT

6.9 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

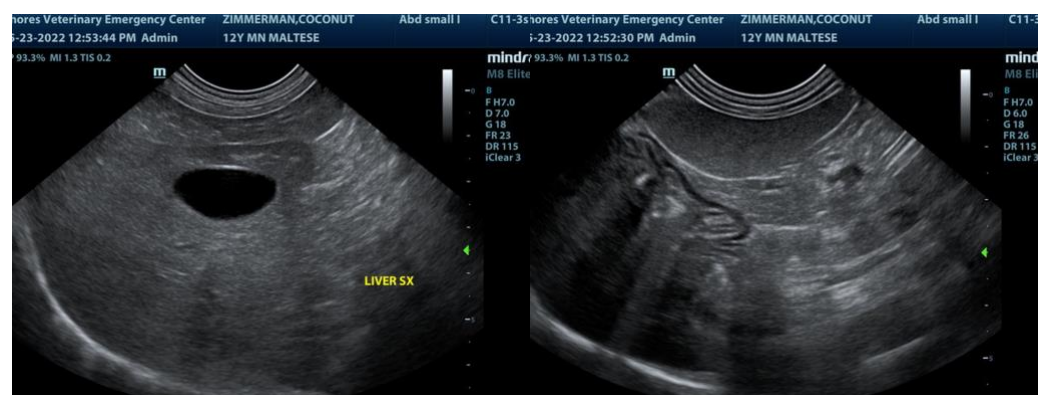


IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC



REFERRING VET

Dr. Miller

INVOICE

37871

DATE

5/23/22



PATIENT

Coconut Zimmerman

SPECIES

Canine

BREED

Maltese

SEX

Neutered Male

AGE

12 Years

WEIGHT

6.9 kg

INTERPRETED BY

Eric Lindquist, DMV

DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Erin Wicks

HOSPITAL NAME

Shores VEC

REFERRING VET

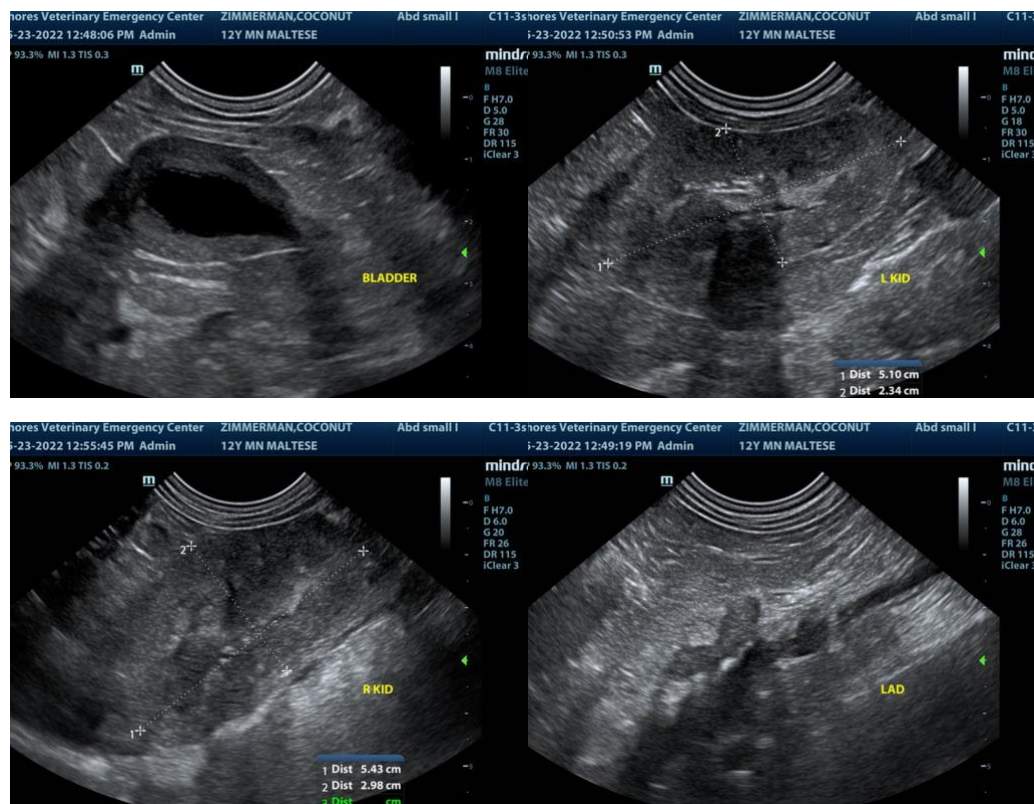
Dr. Miller

INVOICE

37871

DATE

5/23/22



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.

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