



PATIENT

Milkshake Cruz

SPECIES

Canine

BREED

Maltese

SEX

Neutered male

AGE

13 years

WEIGHT

8.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ian Anderson

HOSPITAL NAME

Chester AC

REFERRING VET

Dr. Feiring

INVOICE

74495

DATE

4/15/26

PRESENTING CLINICAL SIGNS

History: Chronic history of pancreatitis; recent acute flare up
Neutered later in life (June 2025)

Abnormal PE/Chem/CBC/UA Results: Marked pancreatitis lipase increase, CBC/Chem otherwise WNL

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. 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.

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 kidneys presented multifocal infarcts and nephrolithiasis. Contrast resolution was marginal. The left kidney measured 3.0 cm. The right kidney measured 2.8 cm.

The residual prostate was uniform and measured 1.0 cm.

Adrenal Glands

Both **adrenal glands** were visualized and recognized as having largely normal shape, size, position and acceptable echogenicity for this age group and breed. Some heterogeneity was noted within the adrenal parenchyma without concerning capsular distortion. These changes are likely age related but should be monitored by sonogram should the patient be suspected of having adrenal disease. The left adrenal gland measured 0.55 cm. The right adrenal gland measured 0.76 cm and heterogenous.

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 was 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



PATIENT

Milkshake Cruz

SPECIES

Canine

BREED

Maltese

SEX

Neutered male

AGE

13 years

WEIGHT

8.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ian Anderson

HOSPITAL NAME

Chester AC

REFERRING VET

Dr. Feiring

INVOICE

74495

DATE

4/15/26

clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder revealed a minor polyp noted and measured 0.78 cm.

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.

Pancreas

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.

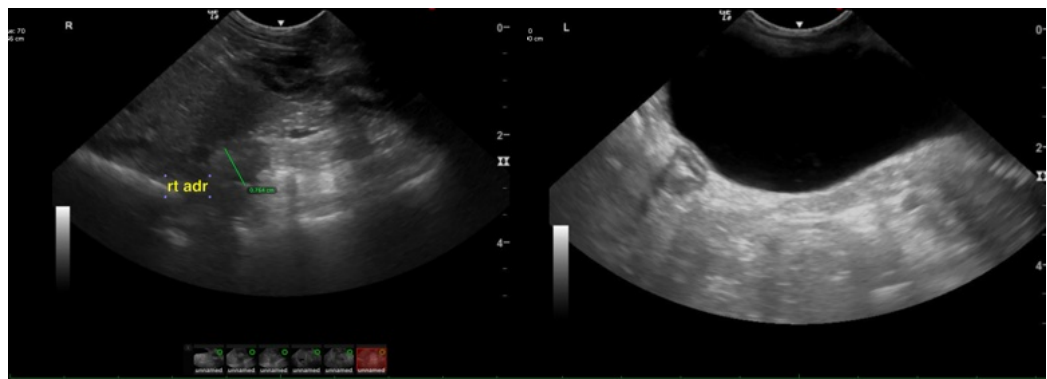
ULTRASONOGRAPHIC FINDINGS

Moderate nephrolithiasis with infarcts and remodeling, non-obstructive at the time of the sonogram.

Structurally unremarkable pancreas. Low-grade pancreatitis is possible, yet there was no evidence of active disease.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient may be passing calculi periodically. I am most concerned about the long term viability of the kidneys in this patient.





PATIENT

Milkshake Cruz

SPECIES

Canine

BREED

Maltese

SEX

Neutered male

AGE

13 years

WEIGHT

8.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ian Anderson

HOSPITAL NAME

Chester AC

REFERRING VET

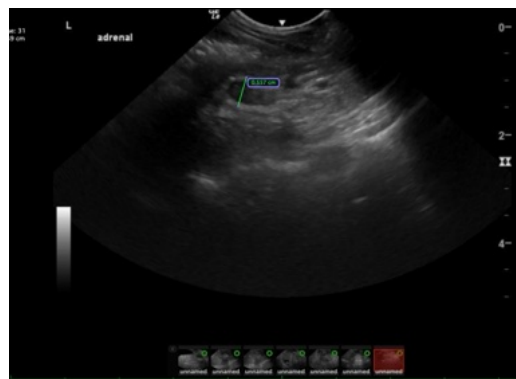
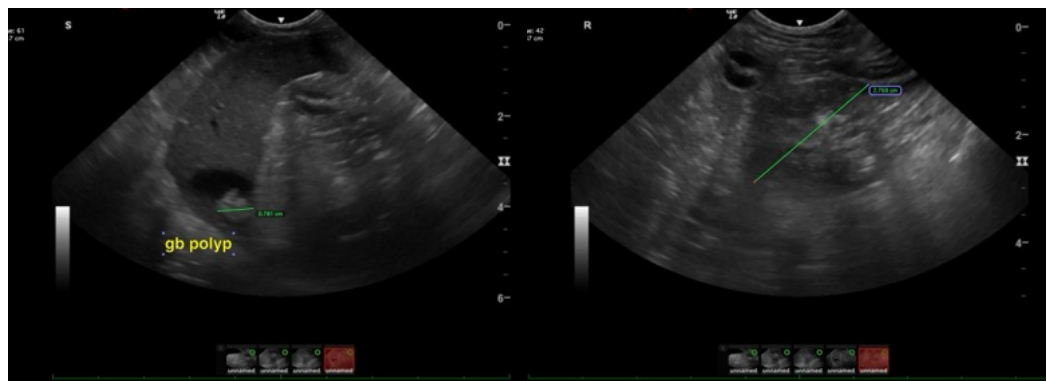
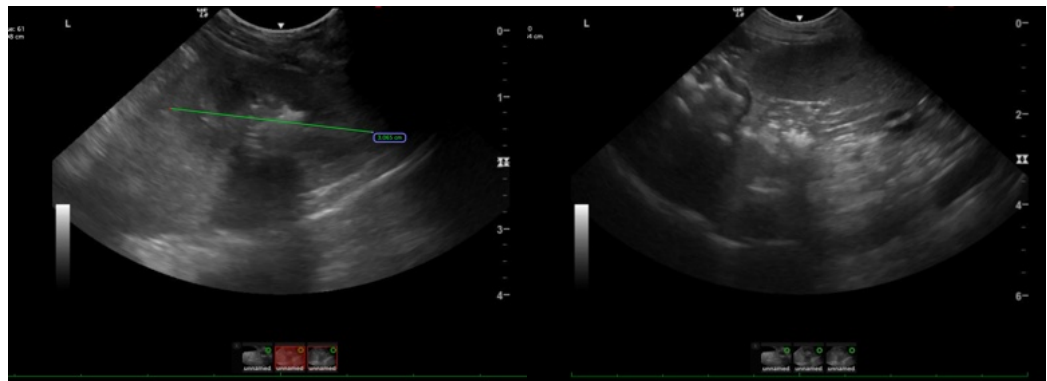
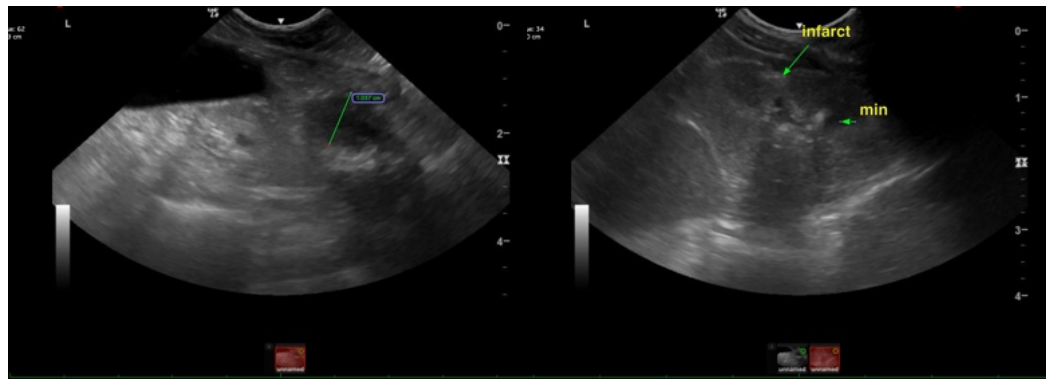
Dr. Feiring

INVOICE

74495

DATE

4/15/26





PATIENT

Milkshake Cruz

SPECIES

Canine

BREED

Maltese

SEX

Neutered male

AGE

13 years

WEIGHT

8.6 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Ian Anderson

HOSPITAL NAME

Chester AC

REFERRING VET

Dr. Feiring

INVOICE

74495

DATE

4/15/26

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 (CFM), Cert. IVUSS, CEO of SonoPath.com

info@SonoPath.com