



**PATIENT**

Mika Shu Kuredjian

**SPECIES**

Canine

**BREED**

Maltese

**SEX**

Spayed Female

**AGE**

13 years

**WEIGHT**

11.2 lbs

**INTERPRETED BY**

Eric Lindquist, DMV  
DABVP, Cert. IVUSS

**IMAGING PERFORMED BY**

Kelly Vazquez, CVT

**HOSPITAL NAME**

Ringwood AH

**REFERRING VET**

Dr. DeSprito

**INVOICE**

95979

**DATE**

2/8/22

**PRESENTING CLINICAL SIGNS**

AUS- follow up from previous ultrasound performed on 4/20/21: vacuolar hepatopathy, lipogranulomatous mesenteric and splenic changes, bladder sand with apical wall thickening, moderate age related renal and adrenal changes. Current meds: Sam e/Ursodiol, SO diet.

**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. Persistent small calculus was noted and measured 0.4 cm. No evidence of inflammatory or neoplastic changes was noted. Ureteral papillae were normal.

The **kidneys** revealed moderate degenerative changes with multi-focal corticomedullary and pelvic calculi. Cortical infarcts were noted. The right kidney measured 4.02 cm. The left kidney measured 3.32 cm with pericapsular and fatty enhancement. There is a possible recent passage of calculi and residual inflammation.

**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 right adrenal gland measured 1.16 x 0.93 cm at the cranial pole and 0.63 cm at the caudal pole. The left adrenal gland measured 1.63 x 0.63 cm at the caudal pole and 0.77 cm at the cranial pole.

**Spleen**

The **spleen** was mildly heterogenous with lipogranulomatous changes.

**Liver**

The **liver** revealed large age related changes with moderate hepatic remodeling. The gallbladder and common bile duct were unremarkable. No significant debris and sludge.

**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**

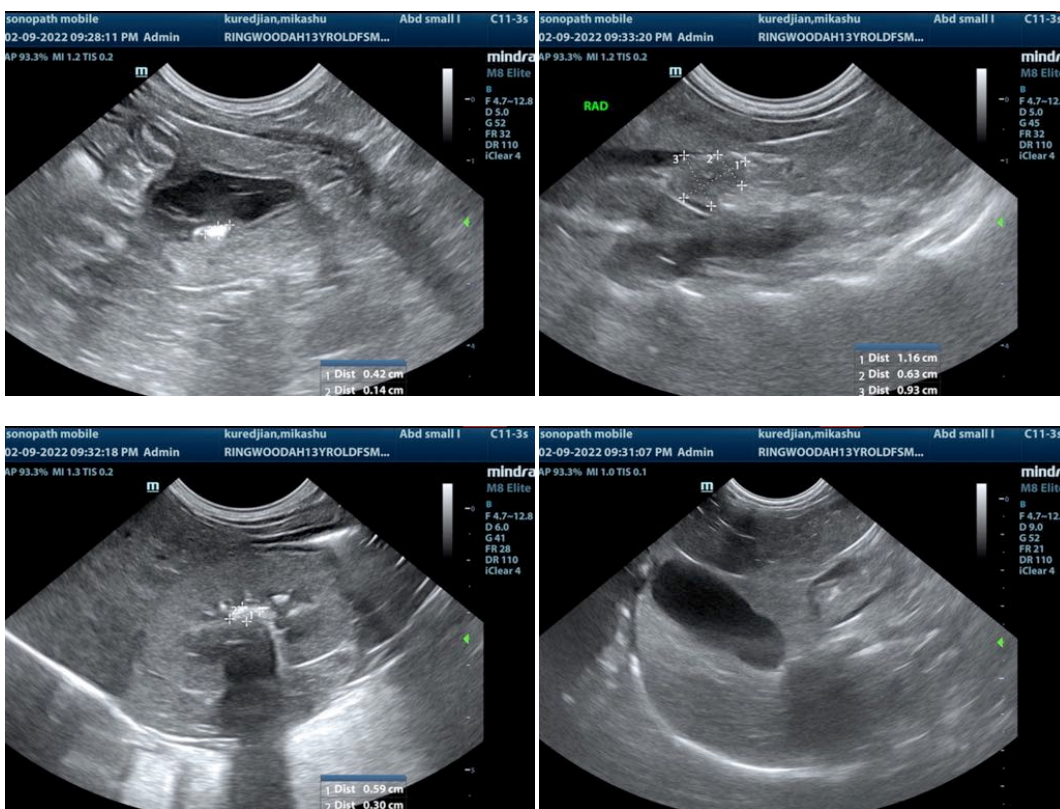
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

**ULTRASONOGRAPHIC FINDINGS**

Moderate degenerative renal changes with non-obstructive renal calculi and bladder sand, non-obstructive.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient is likely passing calculi periodically. A recent urinalysis is warranted to assess for any inflammatory sediment.





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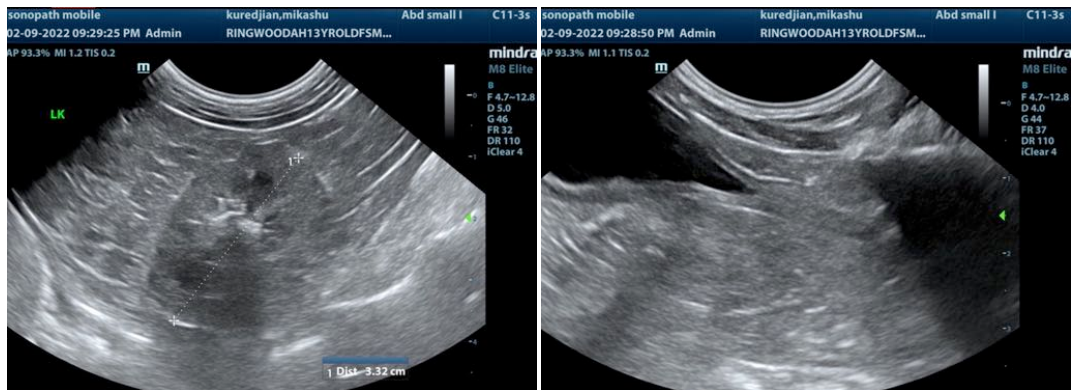
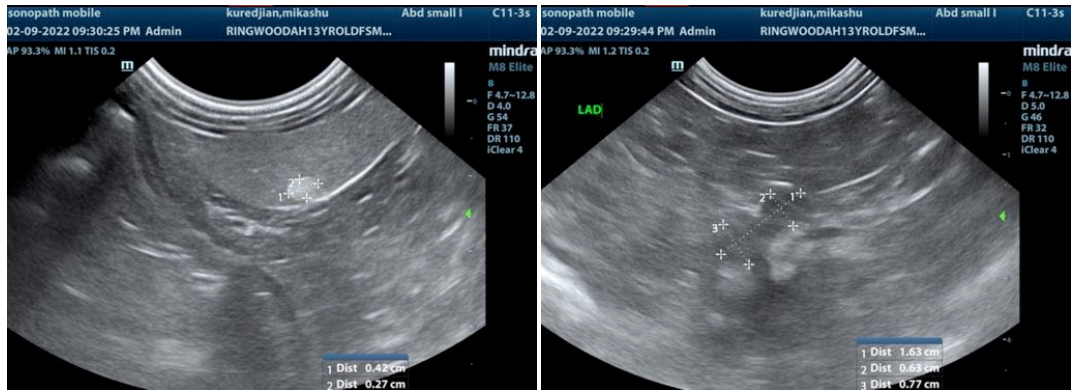
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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