



PATIENT

Reagan Nomikos

SPECIES

Canine

BREED

Maltese

SEX

Neutered Male

AGE

14

WEIGHT

12.9

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

**IMAGING
PERFORMED BY**

Marcela Salas

HOSPITAL NAME

Tenaflly VC

REFERRING VET

Marcela Salas

INVOICE

23970

DATE

8/18/23

PRESENTING CLINICAL SIGNS

History: 14 yr maltese mix. presented 3 d ago after having ingested mulch. vomitus with mulch and stool with a little blood and mulch present. Rads taken were wnl. pet proceeded to have another vomitus and diarrhea. is on ursodiol for gall bladder sludge, and was started on metronidazole and given sqf/cerenia. labs taken confirmed azotemia: BUN 95, Cr 2.9, mild hypokalemia and hypochloremia. PLI negative. Today admitted for IVF. not eating normally. blood pressure wnl. ua/ucs/upc collected via cysto. ultrasound done to better evaluate the kidneys, gall bladder, etc.

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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some moderate 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. Mineralization was present in the kidneys. The left kidney measured 4.16 cm. The right kidney measured 4.01 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 0.7 cm. The right adrenal gland measured 0.66 cm at the caudal pole and 0.8 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.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some minor age-related parenchymal remodeling was noted but likely not clinically significant at this time. Vascular and biliary tracts were of normal volume and no evidence of congestion was noted. The gallbladder presented some dependent debris with essentially normal contour. The cystic and common bile ducts were normal. No overt evidence of active inflammatory, infiltrative or regenerative pathology was noted but should be paired with current or past LE elevations regarding any clinical significance to this presentation. The hepatic lymph nodes were unremarkable.



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Gastrointestinal

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The artifact was noted in the **stomach** yet no obvious foreign body or gas interference was present. The colon was fluid filled. The remainder of the gastrointestinal tract was unremarkable.

SPECIES

Pancreas

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

- Moderate degenerative renal changes with corticomedullary calculi (nonobstructive)
- Fluid filled colon- no evidence of obstruction. Artifact in the stomach.
- Age related abdominal changes otherwise.

Neutered Male

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

AGE

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I recommend 72hr IV fluid protocol and GI protectants. I recommend a fresh fecal smear and fecal floatation analysis. Gastroenteritis/colitis is likely. Recheck sonogram in 48-72 hours if clinical signs are persistent.

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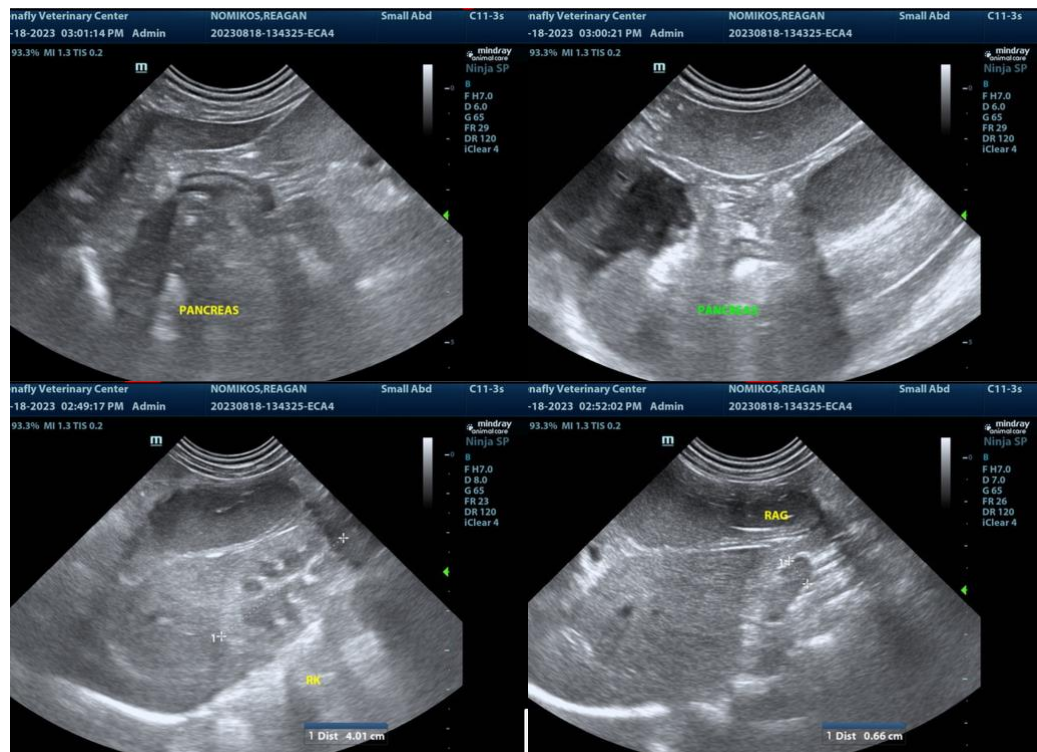
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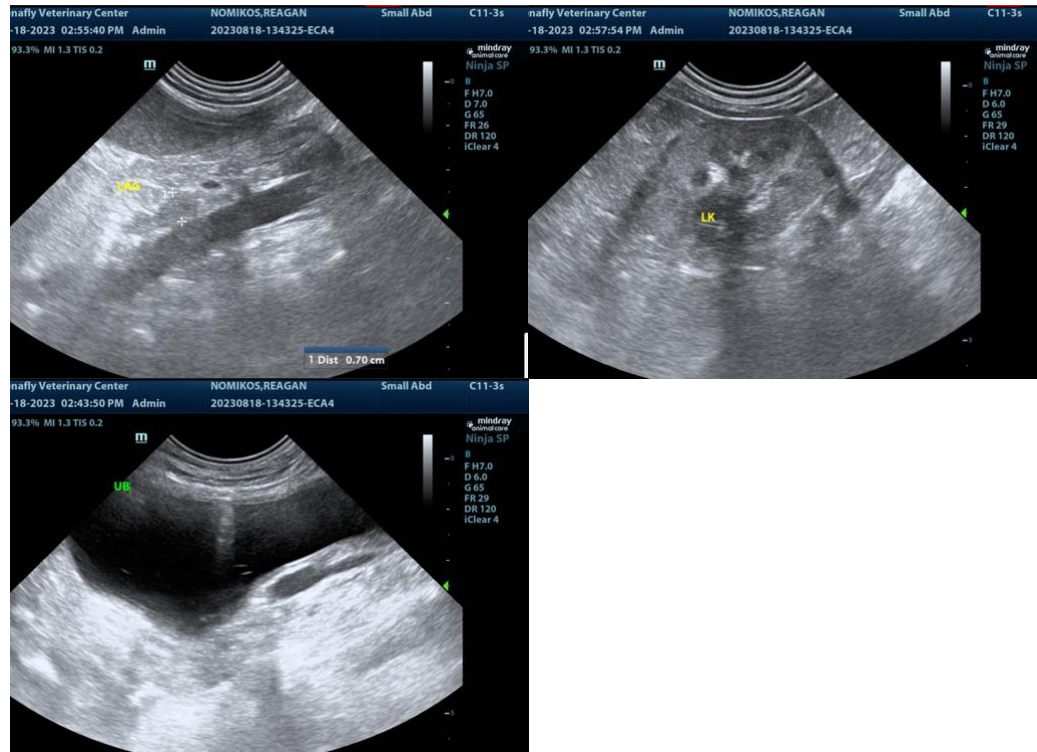
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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
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