



PATIENT

Persia Thomas

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

13 ½ years

WEIGHT

7.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

Dr. Todd

INVOICE

96994

DATE

3/21/22

PRESENTING CLINICAL SIGNS

History: Persia is a thirteen year old, FS, DSH cat with a history of hematuria. and chronic/recurrent UTI beginning January 2022. After a course of marbofloxacin and UTI was still present, the urine was cultured and found resistance to marbofloxacin. Clavamox was prescribed as culture showed was sensitive to it. At recheck in February, bacteria and hematuria was still present. Persia takes aluminum hydroxide and eats Rx renal diet for CKD. (Creat=3.4 in december 2021) In March, another UTI was present and treated with enrofloxacin course. Bacteria and hematuria remain in the recheck sample after treatment. Abdominal ultrasound was advised to rule out causes of persistent hematuria.

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 was noted. Ureteral papillae were normal.

The **kidneys** revealed a chronic interstitial nephrosis pattern with loss of corticomedullary definition and corticomedullary calculi. Infarcts were noted. Severe cortical infarct and adjacent hyperplastic nodule was noted in the right kidney. This is part of the degenerative process. No evidence of active inflammation. These are likely changes secondary to prior insults. The right kidney was subnormal in size owing to chronic degenerative changes. The left kidney measured 4.03 cm with minor pyelectasia. The right kidney measured 2.57 cm. Blood flow to the right kidney was minimal.

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.

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 submitted revealed subjectively normal liver size, contour, and structure. Parenchymal echogenicity was naturally coarse and hypoechoic to the spleen. Vascular and biliary tracts were of normal volume with no evidence of congestion. The gallbladder presented acceptably thin walls with primarily anechoic content. The cystic and common bile ducts were normal. No pathological hepatic lymphadenopathy was evident. No overt structural evidence of inflammatory, infiltrative or regenerative pathology was evident.



PATIENT

Gastrointestinal

Persia Thomas

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.

SPECIES

Feline

BREED

Domestic Shorthair

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.

SEX

Spayed Female

ULTRASONOGRAPHIC FINDINGS

Moderate to severe renal dystrophy on the right and moderate on the left. Interstitial nephrosis pattern.

AGE

13 ½ years

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

WEIGHT

7.7 lbs

The patient is likely passing calculi periodically with infarcts and cortical collapse/dystrophic changes. Blood flow to the left kidney was moderately subnormal. Long term viability of the kidneys is poor. Renal support protocol is warranted. Subjectively the kidneys appear near end stage. Blood pressure measurements, urinalysis and culture is recommended if any inflammatory sediment is present. If any azotemia develops then 72-hour IV fluid protocol is indicated.

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

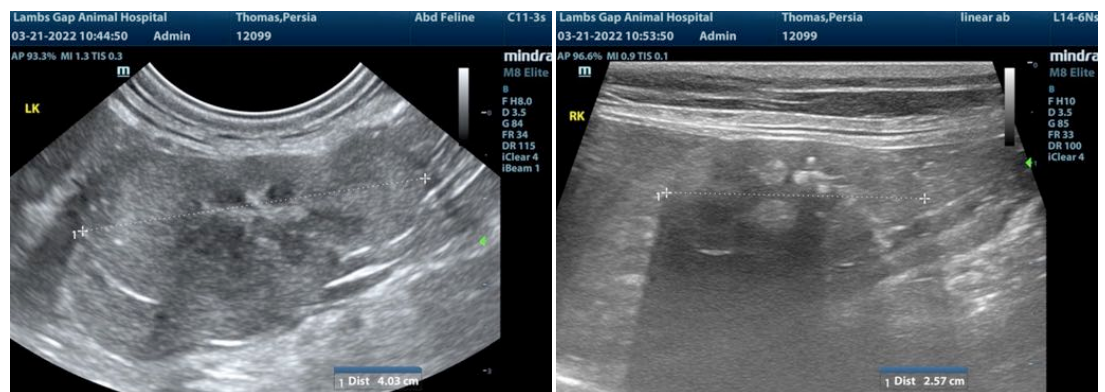
Dr. Todd

INVOICE

96994

DATE

3/21/22





PATIENT

Persia Thomas

SPECIES

Feline

BREED

Domestic Shorthair

SEX

Spayed Female

AGE

13 ½ years

WEIGHT

7.7 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Todd

HOSPITAL NAME

Lambs Gap AH

REFERRING VET

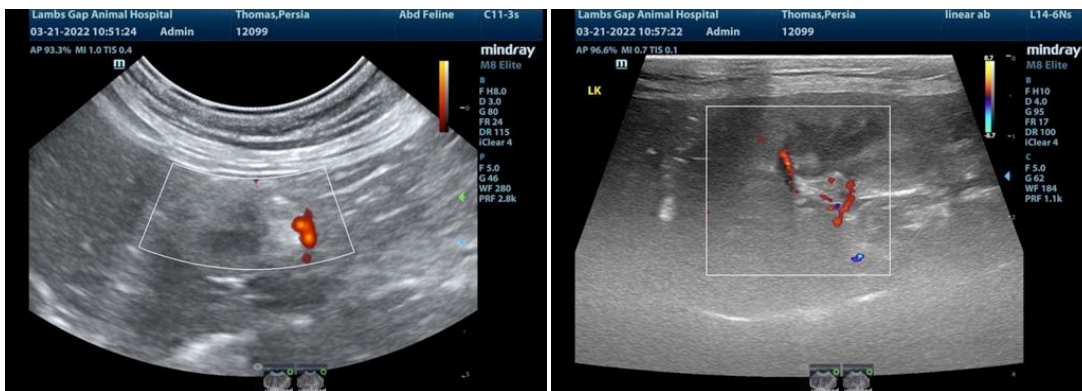
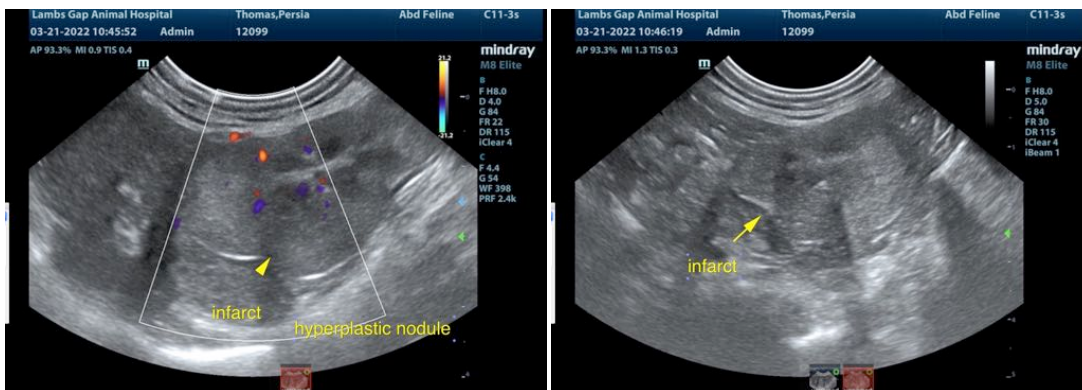
Dr. Todd

INVOICE

96994

DATE

3/21/22



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