



PATIENT

Maddie Widony

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

16.5 Years

WEIGHT

11.2 Pounds

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Kalenius

HOSPITAL NAME

Willamette VH

REFERRING VET

Dr. Kalenius

INVOICE

13873

DATE

10/19/21

PRESENTING CLINICAL SIGNS

History: History for US: History of I-131 in May 2021. June 2021 Creat 2.3. Presented to rDVM 10/16/21 for 2 days of anorexia, lethargy, hiding. Fever 103. Labs: CBC - HCT 30.8%, Neut 16.95k, suspect bands, Lym 8.08k, PLT 72k. Chem - Creat 3.2 (prev 2.3 in June 2021), BUN 64, phos 4.8, GGT 5, rest wnl. UA - USG 1.014, pH 6.0, rods, wbc, & rbc present Abdominal rads - NSF Dispensed Buprenex, orbox, & mirtazapine. also giving oral cerenia. No improvement as of 10/18/21 so P referred to Wilvet for hosp & abdominal US.

Abnormal PE/Chem/CBC/UA Results: Exam: QAR, pale MM. No murmur noted, rare gallop rhythm, lungs clear. Temp 102.2. Abdomen painful on palpation, no obvious mass effects. Blood work today: CBC - HCT 22.9%, WBC 21.78k, Neut 19.36k, Mono 0.79k, rest wnl Chem10 - Creat 3.1, BUN 51, rest wnl EPOC - iCa 1.09, Creat 2.55, K 3.8, LAC 1.18, pH 7.448, BUN 58, HCT 25%

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. Iliac trifurcation was unremarkable.

The **left kidney** revealed swollen irregular contour with hydronephrosis of 1.5 cm x 1.5 cm. Moderate degenerative change with subnormal blood flow on power doppler assessment noted. The remaining parenchyma was irregular with enhanced surrounding fat, suggestive for inflammation.

The **right kidney** revealed mild pyelectasia with ill-defined pelvic fat (suggestive for pyelonephritis) with cortical infarcts and regional inflammation.

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 were 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.



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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

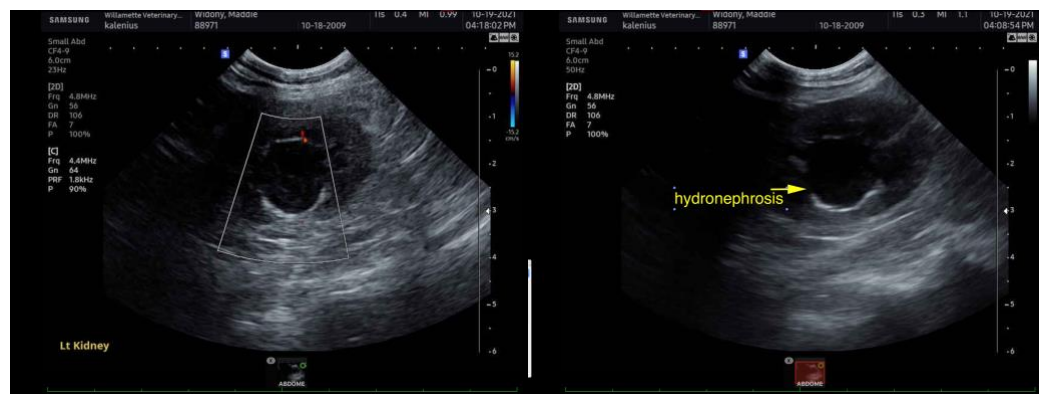
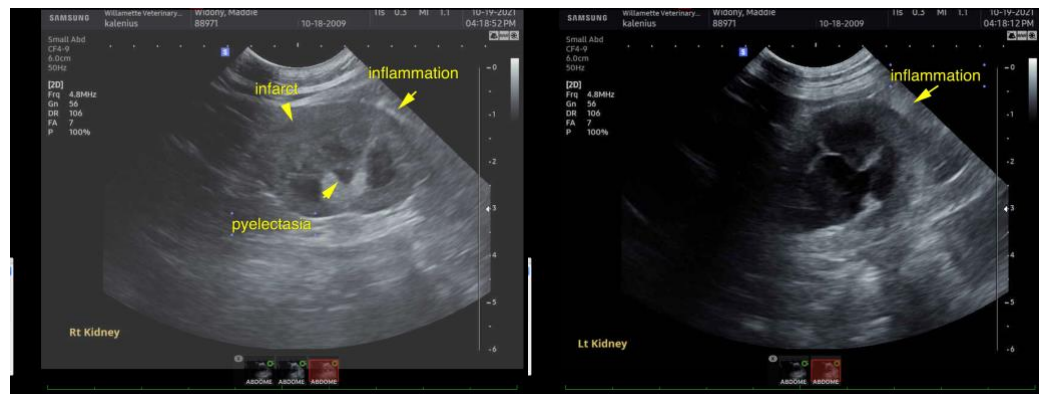
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Bilateral nephritis with moderate nephrosis in the left kidney, mild pyelectasia on the right kidney- suspect pyelonephritis, however, should be matched with urinalysis results

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The kidneys appear subjectively near end-stage. Dilution effect is likely playing a role given the isosthenuria. Prognosis is guarded.





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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.

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info@SonoPath.com