



PATIENT

Samantha Werbel

SPECIES

Feline

BREED

DSH

SEX

Spayed Female

AGE

18 Years 7 Months

WEIGHT

Not Provided

INTERPRETED BY

Eric Lindquist, DMV,
DABVP(CFM), Cert.
IVUSS

IMAGING PERFORMED BY

Kerri Becker

HOSPITAL NAME

Marsh AH

REFERRING VET

Dr. Armani

INVOICE

12566

DATE

12/04/25

PRESENTING CLINICAL SIGNS

HX asthma, seizures, murmur grade 2, kidney dz Albuterol, solensia, kepra, gaba sq fluids

Abnormal PE/Chem/CBC/UA Results: BUN-38 USG-1.017

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. The left and right kidneys presented with enhanced surrounding fat around the renal capsule suggestive of inflammation. Slight pyelectasia and pinpoint mineralizations were noted bilaterally. The left kidney measured 4.05 cm in length. The right kidney measured 4.05 cm in length.

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 0.39 cm width. The right adrenal gland measured 0.44 cm width.

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.

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

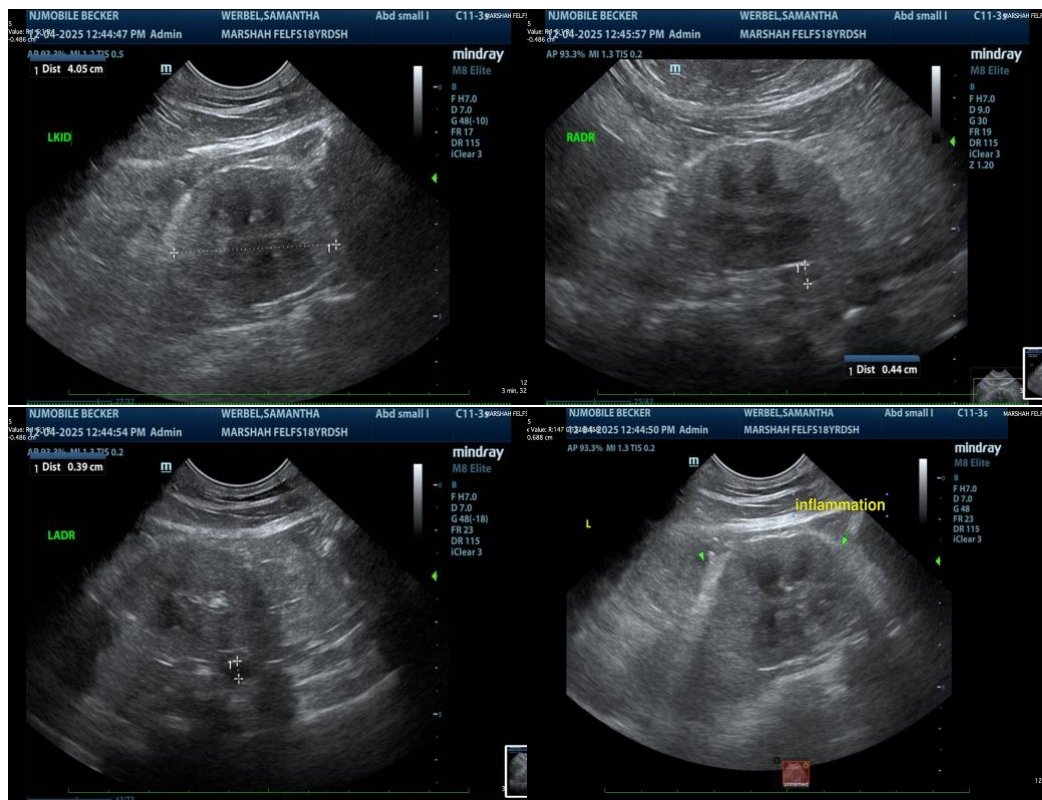
The base and limbs of the **pancreas** were observed to be largely isoechoic to surrounding omental fat. Pancreatic duct and capsular contour were acceptably normal and parenchyma respected normal curvilinear patterns. No overt evidence of active inflammatory or neoplastic disease was noted.

ULTRASONOGRAPHIC FINDINGS

- Geriatric abdomen with subclinical or acute on chronic nephritis pattern noted in both kidneys.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Full urinary work up and culture/sensitivity are warranted if not already performed. Blood pressure measurements are indicated. The seizure activity would merit skull CT. No evidence of neoplasia in the abdomen. The kidneys appear approximately 50-60% compromised. Complicating factors such as pre-renal disease, systemic or urinary infection and hypertension are all potential.





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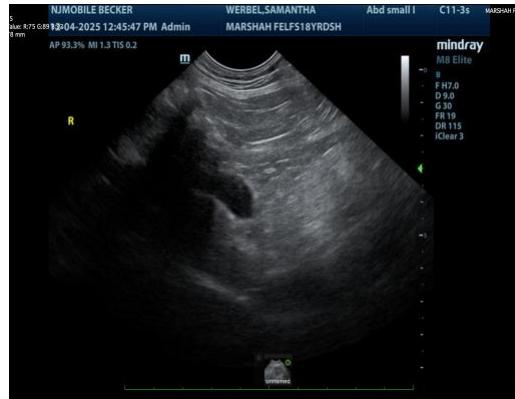
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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(CFM), Cert. IVUSS,

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