



PATIENT PRESENTING CLINICAL SIGNS

Chloe Witmer

History: O scheduled exam for evaluation of dermal masses and teeth to discuss potential for surgery. Concern for anesthetic safety due to history of renal disease, collapsing trachea.

SPECIES

Abnormal PE/Chem/CBC/UA Results: BUN 59 SDMA 18 LDDST normal

Canine

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

BREED

Urinary System

Yorkie

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.

SEX

Spayed Female

AGE

12 years

The **kidneys** presented a relatively uniform cortical hyperechogenicity when compared to the renal medulla, spleen and liver. No overt masses were noted. Corticomedullary definition was nebulous and the ratio favored the cortex slightly. The ureters were not visible and assumed to be normal. These changes are most consistent with chronic interstitial nephritis yet infiltrative disease could not be entirely ruled out without biopsy though neoplasia is not suspected. Multi-focal cortical cysts were noted. The right kidney measured 5.3 cm with slight pyelectasia. The left kidney measured 4.9 cm with pyelectasia.

WEIGHT

10.4 lbs

INTERPRETED BY

Adrenal Glands

Eric Lindquist, DMV
DABVP, Cert. IVUSS

A left **adrenal gland** mass was noted in this patient with an expansive 3.5 x 2.0 cm gland. A hyperechoic mass was deriving from the cranial pole with capsular expansion without capsular escape. The right adrenal gland measured 1.66 x 0.53 cm.

IMAGING PERFORMED BY

Dr. Reese

Spleen

HOSPITAL NAME

Willow Run VC

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.

REFERRING VET

Dr. Reese

Liver

INVOICE

91626

The **liver** was uniformly swollen with minor, excessive gallbladder debris and over distension with dependent and suspended bile without evidence of overt mucocele formation. However, excessive sludge was present. Gallbladder polyps and thickened were noted. The liver presented coarse architecture with mildly increased portal markings and subtle, mixed echogenic changes. This is consistent with vacuolar hepatopathy and some level of remodeling and history of inflammatory component. There was no overt suspicion of neoplasia.

DATE

9/1/21



PATIENT

Gastrointestinal

Chloe Witmer

Examination of the **gastrointestinal tract** revealed a stomach and intestine free of stasis, of normal wall thickness, acceptable curvilinear mural detail, and peristaltic activity. Transit of chyme was normal. Minor mesenteric lymphadenopathy was noted.

SPECIES

Canine

Pancreas

BREED

Yorkie

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

Left adrenal mass.

AGE

12 years

Moderate degenerative renal changes with polycystic changes and pyelectasia.

WEIGHT

10.4 lbs

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Adenocarcinoma, adenoma and pheochromocytoma are all possible. Serial blood pressure measurements +/- urine catecholamine is warranted to assess for pheochromocytoma. Urine culture and sensitivity would be warranted. Left adrenalectomy would be ideal; however, it may be benign and non-functional. The kidneys appear near end stage from a structural degenerative standpoint.

INTERPRETED BY

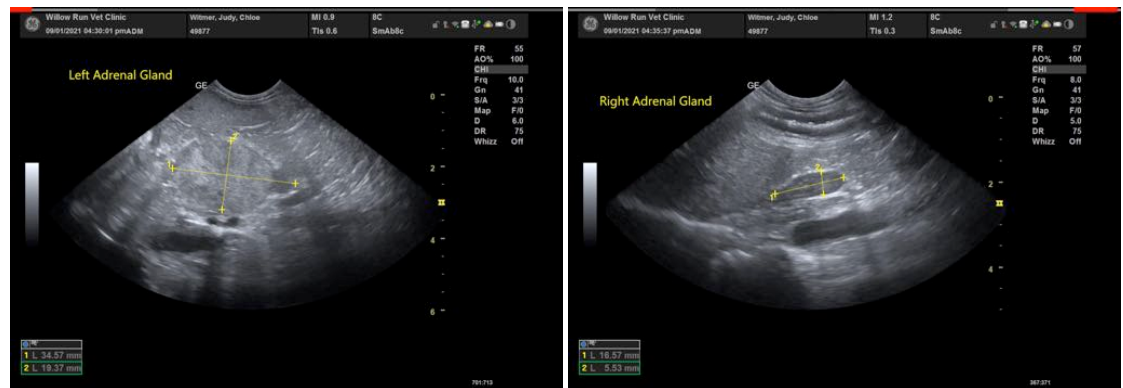
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IMAGING PERFORMED BY

Dr. Reese

HOSPITAL NAME

Willow Run VC



REFERRING VET

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PATIENT

Chloe Witmer

SPECIES

Canine

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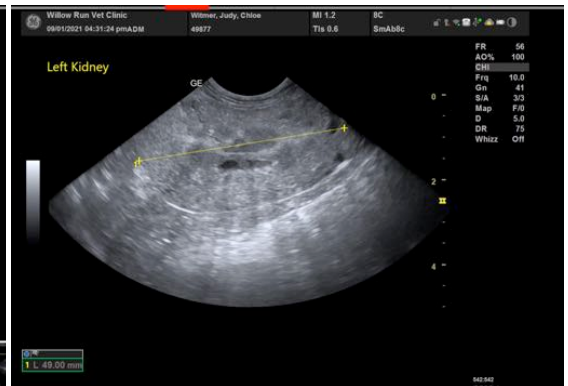
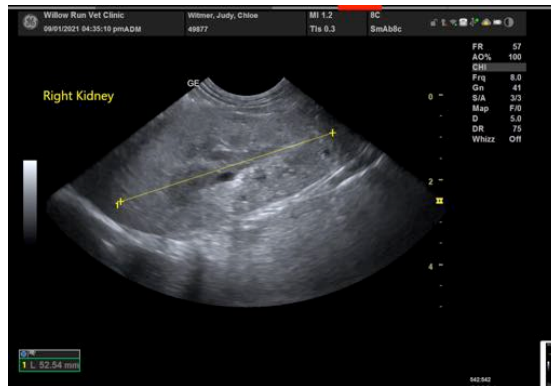
Spayed Female

AGE

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WEIGHT

10.4 lbs



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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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