



PATIENT

Josie Williams

SPECIES

Canine

BREED

Miniature Pinscher

SEX

Spayed female

AGE

15 years

WEIGHT

7.9 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Griffin

HOSPITAL NAME

Northside VC

REFERRING VET

Dr. Griffin

INVOICE

42312

DATE

1/24/23

PRESENTING CLINICAL SIGNS

History: Patient has had ultrasound reviewed by Lindquist on 9/29/21 Patient is currently being monitored/managed for tracheal collapse, kidney disease, hypertension and has a heart murmur
Abnormal PE/Chem/CBC/UA Results: Most recent Chem showed: BUN 41, ALT 136

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 largely normal size and structure, corticomedullary definition and ratio (cortex 1/3 of medulla) were essentially maintained with some 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. Mineralization was noted in the kidneys. The right kidney measured 3.0 cm. The left kidney measured 2.8 cm with slight pyelectasia and minor mineralization.

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 was slightly heterogenous with slight, irregular swelling measuring 0.57 cm. The right adrenal gland was slightly swollen at the caudal pole measuring 0.55 cm and the cranial pole measured 0.41 cm.

Spleen

The **spleen** revealed slight, hyperechoic, lipogranulomatous changes. This is not overtly pathological. Slight, indented contour was noted possibly owing to infarct, yet appears stable.

Liver

The **liver** images from right and left intercostal as well as subcostal views revealed subjectively normal liver size, contour, and structure. Some 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. Minor gallbladder polyps were noted and were non-pathological.

Gastrointestinal

The **gastrointestinal tract** was largely unremarkable with curvilinear patterns with minor, mucosal speckling. The colon was unremarkable.



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Pancreas

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The **pancreas** appears stable with minor heterogenous changes.

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ULTRASONOGRAPHIC FINDINGS

Irregular left adrenal gland.

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Miniature Pinscher

Moderate, degenerative renal changes with slight mineralization.

Stable pancreas.

SEX

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Minor mucosal speckling.

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The degenerative changes in the kidneys have progressed and there is some evidence of inflammatory hepatopathy. Full urinary work-up is warranted if not already performed. Geriatric diet is indicated. The renal values should be monitored carefully.

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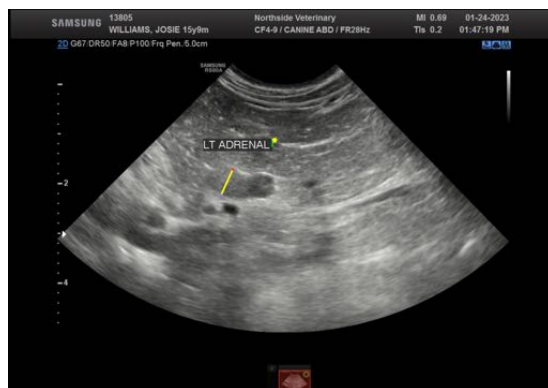


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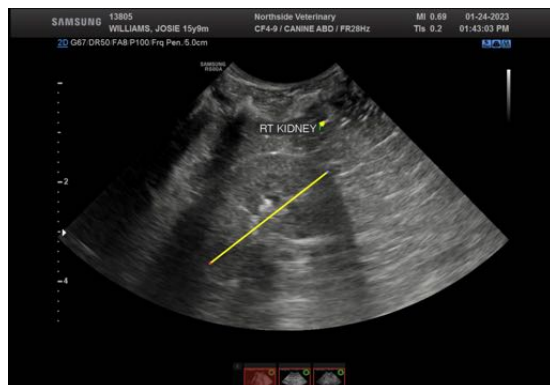
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

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