



PATIENT

Pretinha DeCarvalho

SPECIES

Canine

BREED

Schnauzer Mix

SEX

Spayed female

AGE

15 years

WEIGHT

12.5 lbs

INTERPRETED BY

Eric Lindquist, DMV
DABVP, Cert. IVUSS

IMAGING PERFORMED BY

Dr. Salas

HOSPITAL NAME

Tenafly VC

REFERRING VET

Dr. Salas

INVOICE

72273

DATE

3/5/26

PRESENTING CLINICAL SIGNS

- 15 yr old 12 lb Schnauzer Mix: repeat ultrasound q 6 months. Has a history of CRD and renal cysts. Vacuolar Hepatopathy. Hx of previous bladder stones and current crystalluria (Ca Ox). Elev ALP 2300. Urine sp gr 1.027 with 2+ protein and UPC 0.8 historically, new UPC pending. prev LDDST and ACTH stim did not confirm Cushing's disease. Gallbladder emerging mucocele on last u/s- has been on i/d low fat and Ursodiol. Hx of pancreatitis and stable b1 degenerative valvular disease, normal BNP and clinically doing well.

ULTRASONOGRAPHIC EXAMINATION OF THE ABDOMEN

Urinary System

The **urinary bladder**, trigone, and pelvic urethra presented normal thicknesses and normal tone. The pelvic urethra was imaged 2.0 cm beyond the cystourethral junction and appeared normal. 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** presented moderate degenerative changes with loss of corticomedullary definition and corticomedullary calculi. Echogenic cortical remodeling and scarring were noted. Microcystic cortical changes were noted measuring up to 0.61 cm. Blood flow to the kidneys appeared to be adequate on color flow assessment. The right kidney measured 4.42 cm. The left kidney measured 3.9 cm.

Adrenal Glands

The right **adrenal gland** was 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 right adrenal gland measured 0.57 cm. The left adrenal gland was at the upper limits of normal and measured 0.75 cm.

Spleen

The **spleen** was largely smooth with subtle heterogeneous parenchymal changes while maintaining normal echogenic relationship to the liver and kidney. These changes are consistent with normal age-related alteration. The capsule was smooth without noticeable impingement from within the spleen or from pathology in the adjacent abdomen. The splenic vasculature demonstrated normal volume without signs of congestion or significant contraction. No evidence of active acute or chronic inflammatory, neoplastic, or infarctual changes was noted. The spleen measured 1.6 cm.

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. Occasional, non-disruptive hypoechoic and hyperechoic nodular changes were noted. Vascular and biliary tracts were of normal volume and no evidence of congestion



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was noted. The gallbladder was mildly over distended with suspended and dependent debris, yet not to the level of emerging mucocele, yet sludge appears to be mildly excessive. No adjunctive inflammation was noted.

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.

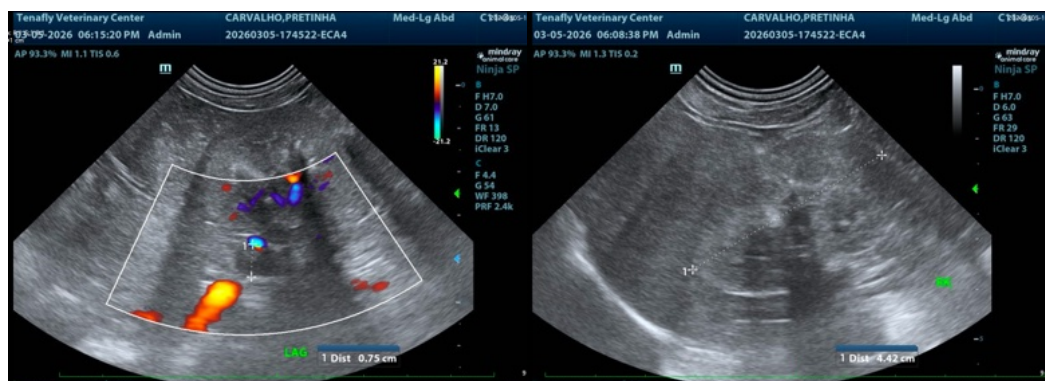
ULTRASONOGRAPHIC FINDINGS

Moderate degenerative renal changes. Microcystic cortical changes were noted in the kidneys.

Age related hepatic changes.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Management based on renal parameters are recommended. Monitoring blood pressure measurements are recommended. If any inflammatory sediment and cultures are all indicated. Ursodiol therapy can be justified based on the excessive debris/sludge.





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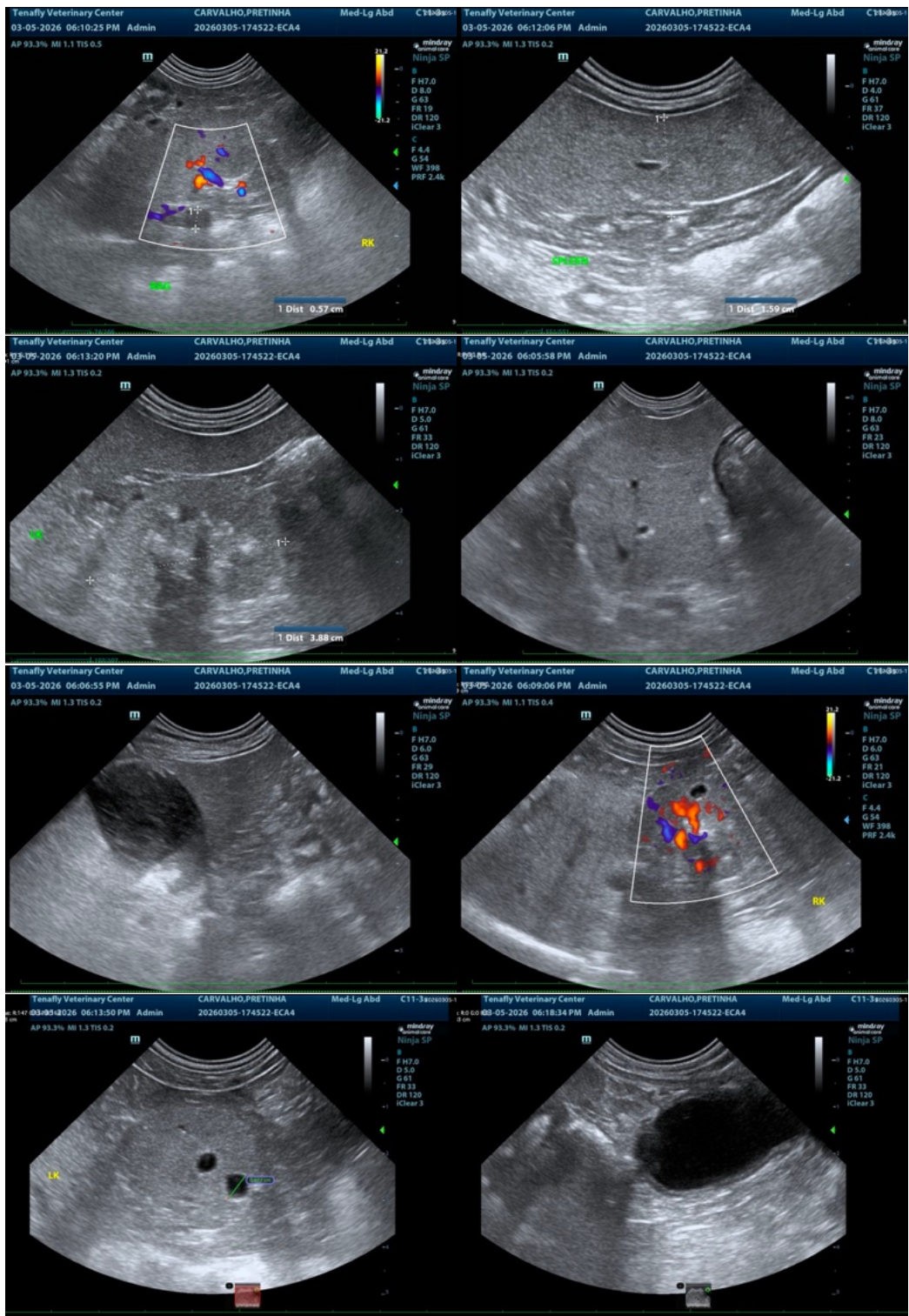
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The information and recommendations provided are based on the images presented by the



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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, CEO of SonoPath.com

info@SonoPath.com