



PATIENT

Midas Rebelo

SPECIES

Canine

BREED

Mixed Large

SEX

Neutered Male

AGE

2 Years 11 Months

WEIGHT

99.3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Orchard Grove Animal
Hospital

REFERRING VET

Dr. Cassano

INVOICE

16473

DATE

05/22/26

PRESENTING CLINICAL SIGNS

Chronically elevated / increasing kidney values. Clinically normal on exam and at home. history of Lyme (+) Dec. 2025 treated w/ 28-day course of Doxy.

Abnormal PE/Chem/CBC/UA Results: Neutrophils 2.375 Low, Lymphocytes 4.742 high, SDMA 51 high, Creat 6.0 high, BUN 62 high,

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 **prostate** was uniform measuring 1.5 cm.

The **kidneys** revealed nodular cortices with irregular pyelectasia, strongly consistent with primary renal dysplasia. A renal biopsy would be necessary for further definition, yet prognosis is poor long-term. The right kidney measured 6.55 cm in length. Blood flow to the kidneys was significantly subnormal on power doppler assessment. The left kidney measured 5.54 cm in length. Cortical cysts were also noted.

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 2.73 cm x 0.73 cm width at the caudal pole and 0.47 cm width at the cranial pole. The right adrenal gland measured 0.6 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



PATIENT

Midas Rebelo

SPECIES

Canine

BREED

Mixed Large

SEX

Neutered Male

AGE

2 Years 11 Months

WEIGHT

99.3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Orchard Grove Animal
Hospital

REFERRING VET

Dr. Cassano

INVOICE

16473

DATE

05/22/26

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

- Primary renal dysplasia pattern.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Renal biopsy would be indicated for confirmation. If this is a breeding line, then the breeding line should be evaluated for similar disease. Chronic insidious disease such as leptospirosis, toxin exposure, other infectious agents are all possible. However, the pattern is more consistent with primary dysplasia and secondary degenerative disease given the irregular displaced renal pelvises, cortices and irregular contour.





PATIENT

Midas Rebelo

SPECIES

Canine

BREED

Mixed Large

SEX

Neutered Male

AGE

2 Years 11 Months

WEIGHT

99.3 lbs

INTERPRETED BY

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

IMAGING PERFORMED BY

Rebecca Hamilton

HOSPITAL NAME

Orchard Grove Animal
Hospital

REFERRING VET

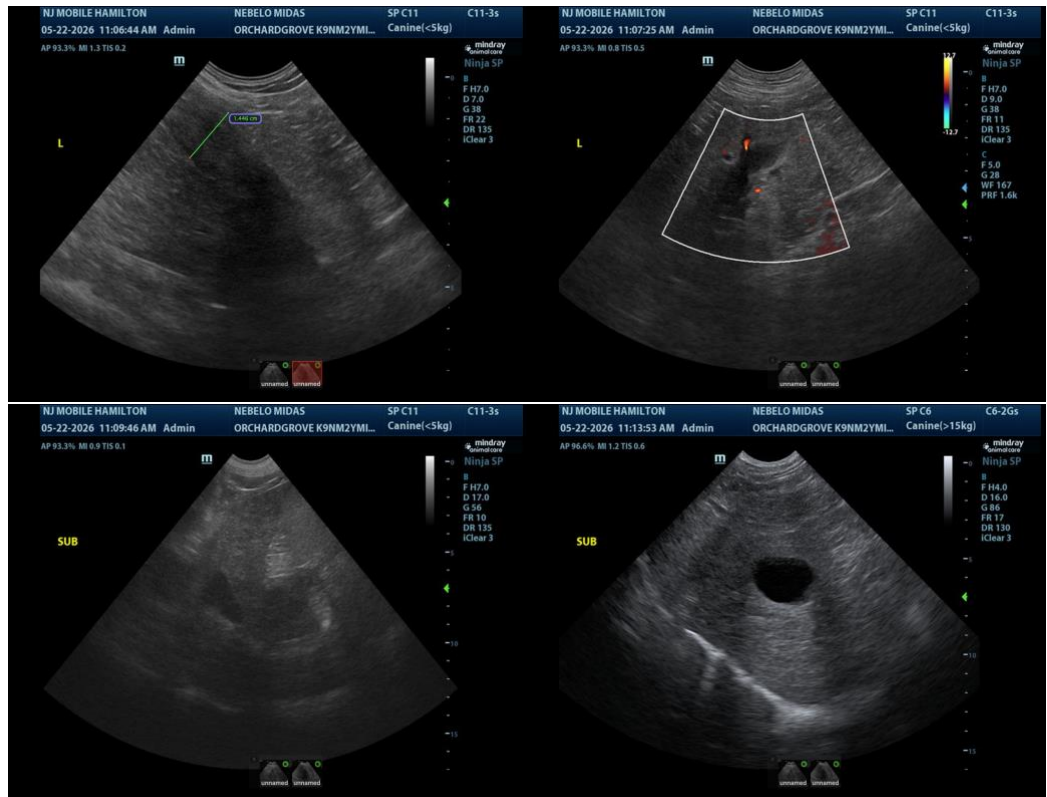
Dr. Cassano

INVOICE

16473

DATE

05/22/26



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,

CEO, Owner, Founder -- SonoPath.com

info@SonoPath.com