



PATIENT

Leo Arias

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

7 years

WEIGHT

78.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP, Cert. IVUSS,
 CEO of SonoPath.com

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Heart and Paw Lake
 Hopatcong

REFERRING VET

Dr. Marmolejo

INVOICE

75310

DATE

5/11/26

PRESENTING CLINICAL SIGNS

History: BCS 4/9. Follow up on prev. echocardiogram 10/9/25-trivial mitral insufficiency, not clinically significant. Wellness screening AUS. (prev. report attached). Current Medications: Adequan inj. ; Movoflex; Ursolyx (Gaba/Traz)
 Abnormal PE/Chem/CBC/UA Results: WNL

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

The echocardiogram in this patient presented normal volumes in all four chambers. Contractility was normal. Structurally the mitral and tricuspid apparatus were unremarkable with normal apposition. Trivial mitral valve insufficiency is noted and similar to the prior echocardiogram. It was centralized and trivial without clinical significance. Trivial tricuspid insufficiency was noted, which is essentially normal for this breed. There was no pericardial or pleural effusions noted. There was no evidence of clinically significant pathology.

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO	LA/AO (Heart Base)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.9	1.3	NM	1.2	27	53	0.3
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	134	1.1	0.99	78.6 lbs	3.45	4.06	

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 normal size and structure, corticomedullary definition and ratio for this age. The cortices presented largely uniform texture with normal echogenic relationship to liver and spleen. Medullary structure differed distinctly from the cortex and no evidence of pelvic dilation was present. The capsules were acceptably uniform without significant irregularities. The right kidney measured 7.4 cm. The left kidney measured 7.6 cm.



PATIENT

The residual prostate was uniform and measured 1.2 cm.

Leo Arias

SPECIES

Adrenal Glands

Canine

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 right adrenal gland measured 3.0 x 0.86 cm at the cranial pole and 0.72 cm at the caudal pole. The left adrenal gland measured 0.61 cm at the cranial pole and 0.75 cm at the caudal pole.

BREED

Golden Retriever

SEX

Spleen

Neutered male

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.

AGE

7 years

WEIGHT

78.6 lbs

INTERPRETED BY

Liver

Eric Lindquist, DMV,
DABVP, Cert. IVUSS,
CEO of SonoPath.com

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.

IMAGING PERFORMED BY

Shari Reffi, CVT

Gastrointestinal

HOSPITAL NAME

Heart and Paw Lake
Hopatcong

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.

REFERRING VET

Dr. Marmolejo

INVOICE

Pancreas

75310

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.

DATE

5/11/26



PATIENT

Leo Arias

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

7 years

WEIGHT

78.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP, Cert. IVUSS,
 CEO of SonoPath.com

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Heart and Paw Lake
 Hopatcong

REFERRING VET

Dr. Marmolejo

INVOICE

75310

DATE

5/11/26

ULTRASONOGRAPHIC FINDINGS

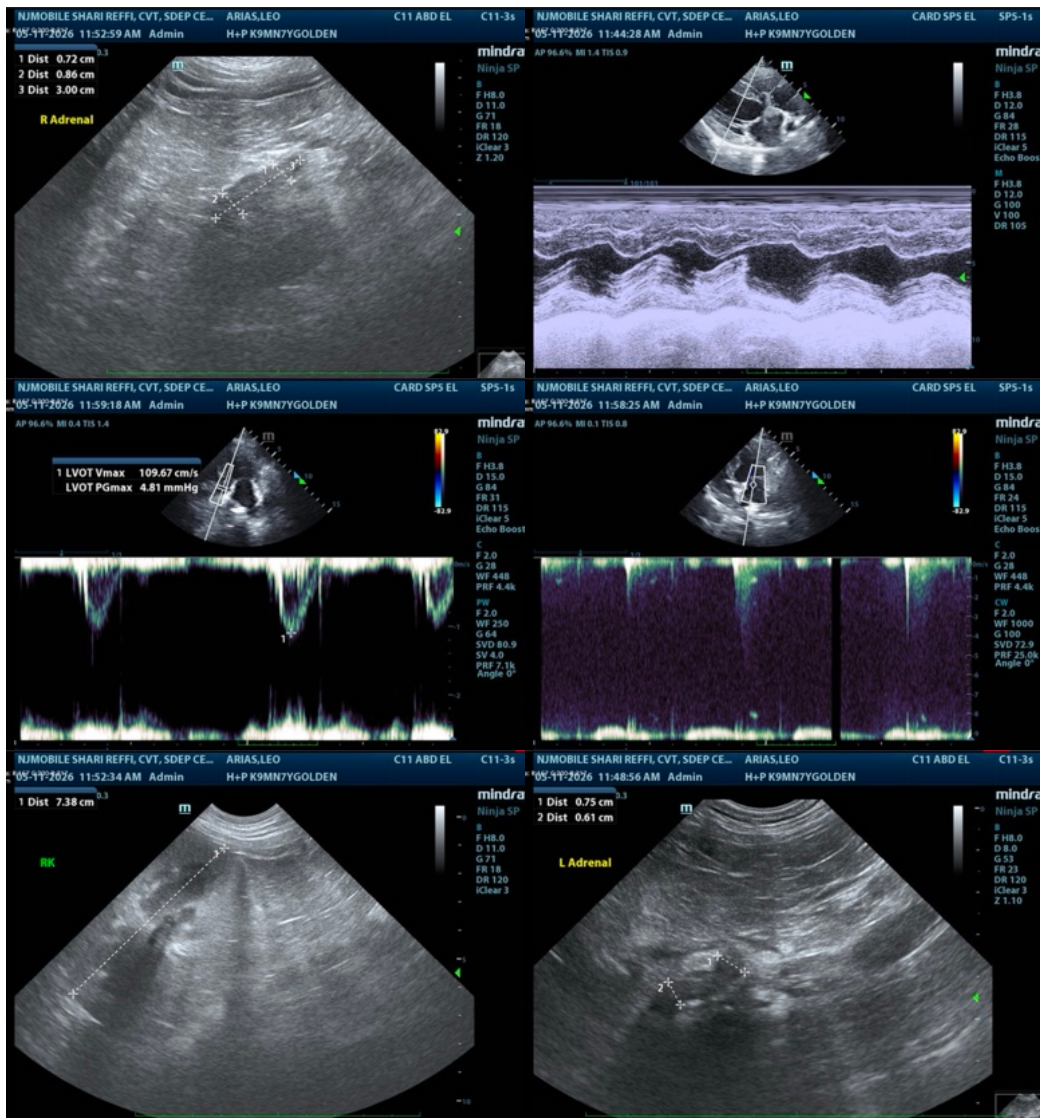
Trivial, mitral and tricuspid insufficiency, yet clinically insignificant.

Otherwise, normal echocardiogram.

Structurally normal abdomen, no evidence of pathology.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No specific therapy is recommended at this time.





PATIENT

Leo Arias

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

7 years

WEIGHT

78.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP, Cert. IVUSS,
 CEO of SonoPath.com

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Heart and Paw Lake
 Hopatcong

REFERRING VET

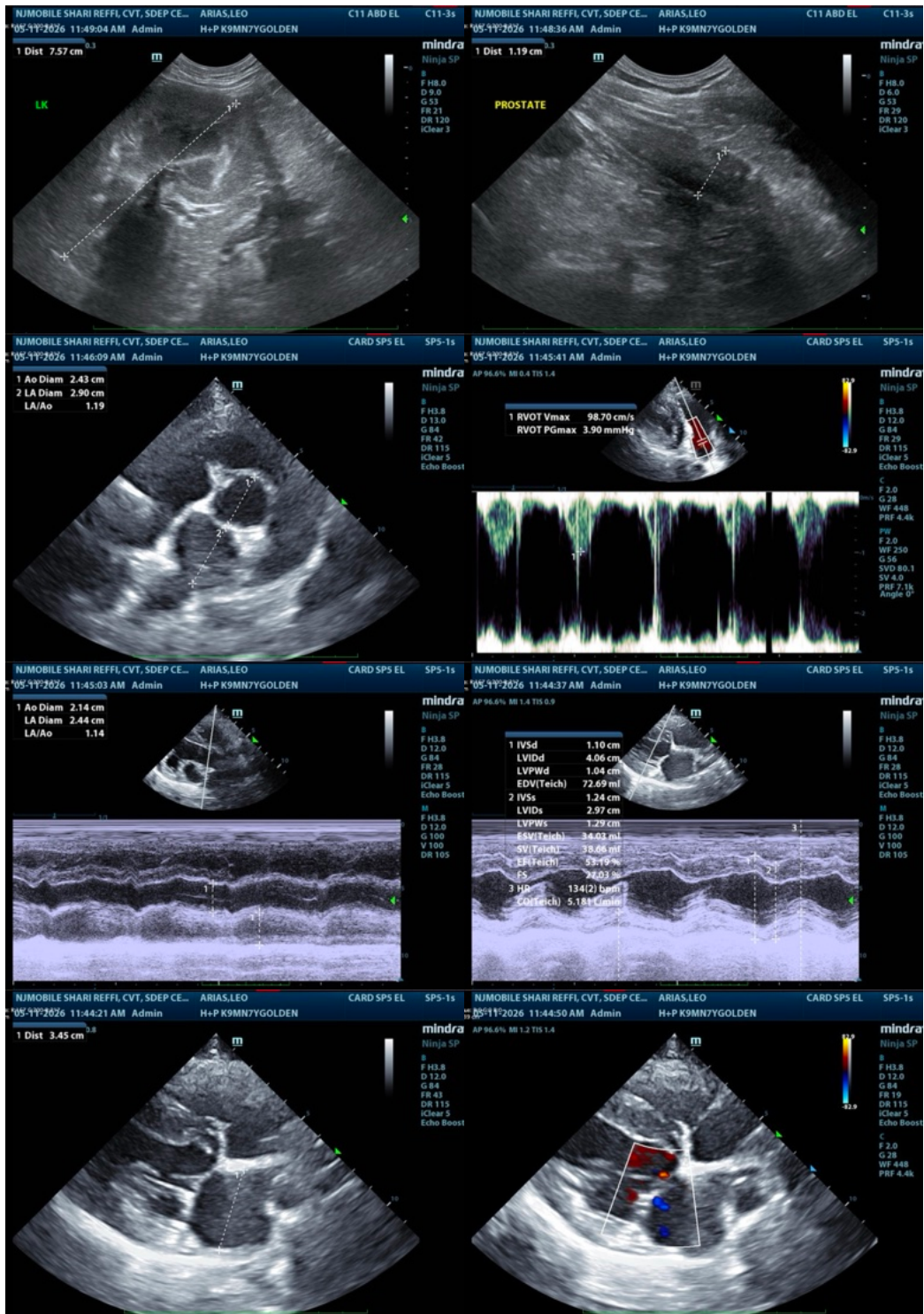
Dr. Marmolejo

INVOICE

75310

DATE

5/11/26





PATIENT

Leo Arias

SPECIES

Canine

BREED

Golden Retriever

SEX

Neutered male

AGE

7 years

WEIGHT

78.6 lbs

INTERPRETED BY

Eric Lindquist, DMV,
 DABVP, Cert. IVUSS,
 CEO of SonoPath.com

IMAGING PERFORMED BY

Shari Reffi, CVT

HOSPITAL NAME

Heart and Paw Lake
 Hopatcong

REFERRING VET

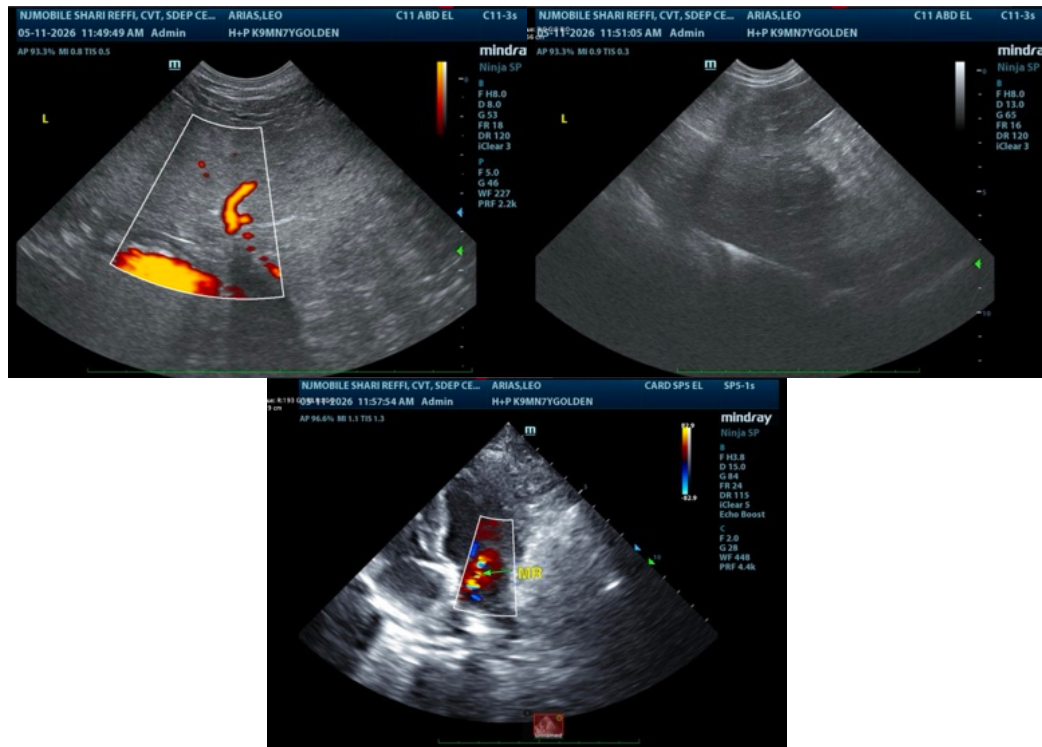
Dr. Marmolejo

INVOICE

75310

DATE

5/11/26



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, Cert. IVUSS, CEO of SonoPath.com

Info@SonoPath.com