



PATIENT

Duke Wellhoefer

SPECIES

Canine

BREED

Golden Retriever

SEX

Male Neutered

AGE

5 years

WEIGHT

76.4lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kim Liedberg

HOSPITAL NAME

SVS Imaging WI

REFERRING VET

Dr. Haynes

INVOICE

27146

DATE

10/26/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. Was on grain-free diet but no longer. No murmur.

-Current medications: Pimobendan and Taurine.

-Pertinent previous echo findings (5/2022 MML) Trace MR, trace/mild AI, No LVE, FS: 22%.

Prominent RH, minimal LAE. LA/AO: 1.4.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The mitral valve appears normal with no obvious prolapse into the left atrial lumen. Trivial central MR. No left atrial dilation. No LV dilation with increased sphericity. Mild decline in myocardial function. Normal LV wall thickness. The tricuspid valve appears normal in form and function. Prominent right atrial and ventricular diameter. No overt evidence of pulmonary arterial hypertension or right heart decompensation. Trace TR. The aortic valve is normal in morphology and mobility. No subvalvular ridge present; normal LVOT velocity with laminar flow. Trace/mild aortic insufficiency. Normal pulmonic valve with trace pulmonic insufficiency seen. No pericardial or pleural effusion noted. No obvious cardiac tumors.

CARDIAC CHART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NM	NM	1.2	1.3	24	40	0.2
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	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	70	1.7	0.97	34.7	3.0	3.8	2.9
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Compared to the prior study, the left heart dimensions and function are slightly improved comparatively. No significant valve leaks are noted and AI unchanged. No additional issues are identified.

Given these findings, no changes are indicated at this time. Continue Pimobendan and Taurine as was previously recommended. Prognosis is guarded long-term.

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PATIENT

Duke Wellhoefer

Monitor for development of a murmur, cough, labored breathing, exercise intolerance or collapse episodes.

SPECIES

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PLAN

Continue Pimobendan and Taurine as prescribed.

BREED

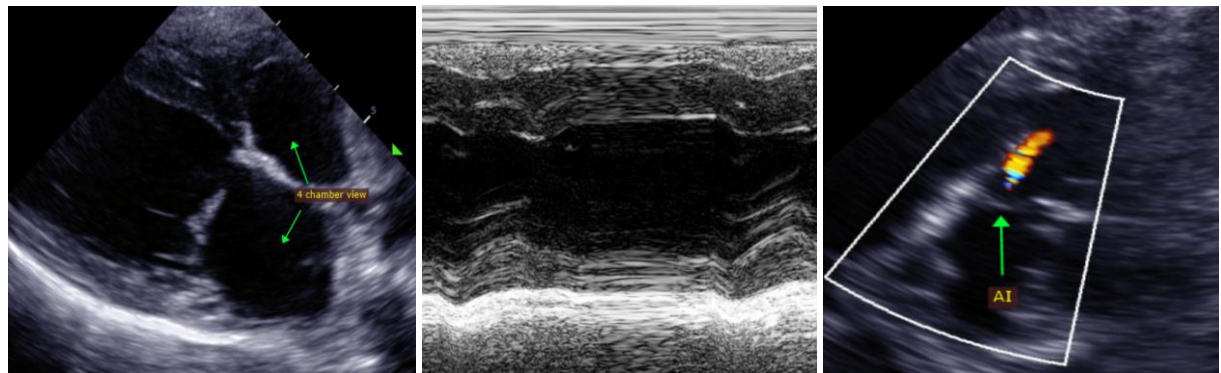
Golden Retriever

A recheck echocardiogram is recommended annually, sooner if a murmur develops, or any signs of cardiac disease are noted.

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IMAGES



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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.

INTERPRETED BY

Maggie Machen Lamy, DVM, DACVIM (Cardiology)

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.

IMAGING PERFORMED BY

Kim Liedberg

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

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