

PATIENT PRESENTING CLINICAL SIGNS

Dewey German

History: Recheck echo. Progressive grade 4/6 systolic murmur. No cough or clinical signs. Palpable hepatomegaly.
-Pertinent previous echo findings (11/2021 MML): CVD B1. Mild MR, no LA or LVE, trace TR. LA: 1.7, LV: 2.6.

SPECIES

Canine

BREED

Dachshund

SEX

Male Neutered

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild diffuse thickening of mitral valve leaflets with mild prolapse into the left atrial lumen. Mild to moderate anterior-directed mitral regurgitation with minimal left atrial dilation. Normal MR velocity. Normal LV diameter with adequate myocardial function. The tricuspid valve appears normal with trace tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No obvious aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

AGE

13 years

WEIGHT

18.8lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Rebekah Jakum, CVT
ARDMS/RVT

HOSPITAL NAME

Alburtis AH

REFERRING VET

Dr. Smith

INVOICE

31908

DATE

7/18/23

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	5.0	NM	NM	1.3	49	82	0.2
CANINE CARDIAC PARAMETERS	HR (BP M)	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	94	1.2	0.9	8.5	2.0	2.8	1.5
*Normal chamber parameters expressed as a mean value				3	1.27	2.46	1.36
BODY WEIGHT DEPENDENT PARAMETERS							
*Note: All measurements based upon multi-modal images and methods. An average value is reported.							
Adapted from June Boon, Veterinary Echocardiography, 1998				5	1.40	2.74	1.60
Rishniw M and Hollis NE, J Vet Intern Med 2000; 14:429-435				10	1.50	3.27	2.06
Hansson et al, Vet Rad and Ultrasound 2002				15	1.83	3.71	2.43
Bonagura et al. Echocardiography: principles of interpretation, Vet Clin North Am 15:1177, 1995				20	2.02	4.14	2.80
				25	2.18	4.48	3.10
				30	2.33	4.83	3.39
				35	2.48	5.17	3.69
				40	2.62	5.48	3.96
				50	2.88	6.07	4.46

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Compared to the prior study, findings are remarkably stable. While quantitatively the MR has increased, the left heart dimensions remain essentially normal. No concurrent issues have developed.

Given these findings, no cardiac medications are indicated. Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit. Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.



PATIENT No cardiac contraindication for general anesthesia prior to chamber enlargement.

Dewey German Recommend conservative monitoring with a recheck echocardiogram in 6-12 months, sooner if any development of clinical signs.

SPECIES
IMAGES

Canine

BREED

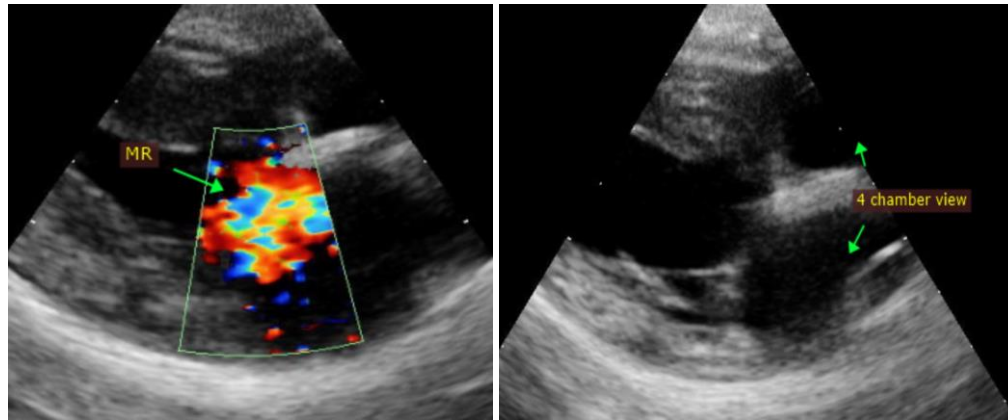
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

WEIGHT

18.8lbs

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.

INTERPRETED BY

Maggie Machen
Lamy, DVM, DACVIM
(Cardiology)

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