



PATIENT

Lena DMello

SPECIES

Canine

BREED

Pitbull

SEX

Female Spayed

AGE

2 years

WEIGHT

86lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

C. Belan, DVM

HOSPITAL NAME

Properties Animal
Hospital

REFERRING VET

Dr. Morely

INVOICE

25123

DATE

7/4/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. Grade 4/6 heart murmur. No medications.

-Sedation: Butorphanol.

-Pertinent previous echo findings (11/2020 MML): Trace MR, no LVH, trace TR; normal velocity, mild LVOTO: 2.0m/s.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Normal MV leaflets with no obvious prolapse. Trace eccentric mitral regurgitation. Normal left atrial dimension. Normal LV diameter with normal myocardial function. Normal LV wall dimensions. The tricuspid valve appears subjectively normal, trace tricuspid regurgitation. Normal velocity. The right heart is normal. No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. No aortic abnormalities identified, however the LVOT velocity is mildly elevated depending on heart rate. Laminar flow. Pulmonic outflow velocities are normal. No aortic or pulmonic insufficiency. No obvious congenital shunts. No pericardial or pleural effusion noted. No cardiac tumors observed.

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	2.2	1.5	1.2	41	63	NM
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	112	2.2	1.4	39.0	2.7	4.4	2.6
*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, there is no evidence of progression. The murmur remains benign in origin with trace MR and TR. No additional issues are identified, and the cardiac structure and function is normal.

Given these findings, no cardiac medications are indicated at this time. Monitor for any development of cough, labored breathing or exercise intolerance.



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No cardiac contraindication for general anesthesia.

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Assuming the murmur persists, recommend recheck echocardiogram in 12-18 months to ensure no progressive issues are seen, sooner if any clinical signs arise in the interim.

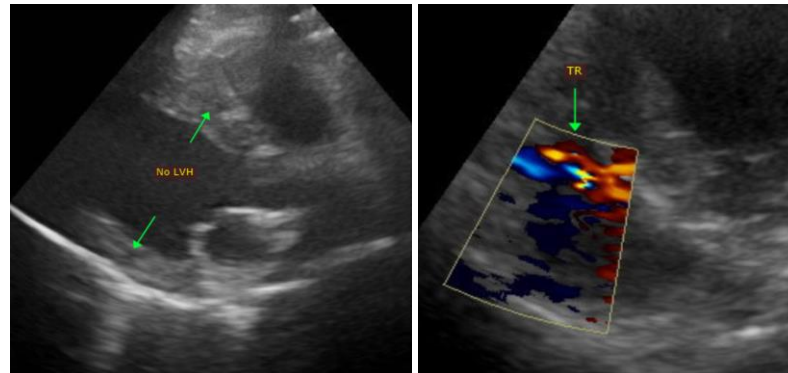
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

WEIGHT

86lbs

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. 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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