



PATIENT
Mila Mendelowitz

SPECIES
Canine

BREED
Rottweiler

SEX
Female Intact

AGE
1years

WEIGHT
78.6lbs

INTERPRETED BY
Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan,
RDCS

HOSPITAL NAME
Mass Veterinary Services

REFERRING VET
Dr. Masloski

INVOICE
23476

DATE
4/6/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. History mitral valve dysplasia with marked improvement in degree of MR on prior study (from moderate-severe to trivial) due to rate control (previous atrial bigeminy to NSR). Current presentation: Mila is doing well with no collapse episodes noted. Her appetite and activity level are good. On exam: NSR, no murmur noted, PSS, lung fields clear. Medications: 1) Diltiazem 60mg 1/2 tab three times a day 2) Salmon oil 3 pumps with evening feeding *Sedated with propofol for study.
-Pertinent previous echo findings 4/7/21 MML): LA 2.6 cm; LA:Ao 1.2; LV 3.9 cm; normal LA size; trivial MR; trace TR (2.3 m/s).

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

Left ventricle: The LV is normal with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve leaflets appear mildly thickened. Trivial MR.

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Mildly elevated aortic outflow velocities secondary to arrhythmia. No aortic insufficiency.

Right ventricle: Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears mildly thickened with trace tricuspid regurgitation. Normal velocity.

Pulmonic valve/pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

Pericardium/other: No pericardial or pleural effusion noted. No cardiac shunts visualized. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 150bpm.

2-Dimensional Measurements

Ao diam (cm)	2.4
LA diam (cm)	2.6
LA:Ao (Swe)	1.1
IVS thickness (cm)	1.0
LVID diastole (cm)	3.8
PW thickness (cm)	1.0
LVID systole (cm)	2.7
FS (%)	29

Doppler Measurements

PV Vmax (m/s)	1.2
AoV Vmax (m/s)	1.5
MR Vmax (m/s)	NA
TR Vmax (m/s)	2.3
TR PG (mmHg)	21

INTERPRETATION OF THE FINDINGS

Compared to the prior study, there is evidence of stability. The left heart is essentially normal with a small mitral leak. No LVOTO is identified, and the left heart dimensions are normal. Mild TR persists and no additional issues are identified.

The heart rate appears well controlled.

Prognosis remains open at this time.



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RECOMMENDATIONS

- Continue Diltiazem as prescribed.
- Close monitoring for development of associated clinical signs, such as a cough, labored breathing, exercise intolerance or collapse episodes.
- Anesthetic risk is considered mild if needed. Cardiac protective drug choices (opioid/benzodiazepine premedication, propofol or alfaxalone induction, isoflurane gas) are recommended. Pre-oxygenate for 5-10 minutes prior to induction. Monitor for arrhythmias, hypotension, and hypoxia both intra and post-operatively and intervene as necessary. Mild IV fluid restriction is recommended to avoid fluid overload. Avoid heart rate stimulating drugs such as atropine unless clinically indicated.

PLAN

- A recheck echocardiogram is recommended in 12 months to screen for progression, sooner if clinical signs arise

IMAGES



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.

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.

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Dr. Masloski

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Echocardiogram performed by: Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)

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