



PATIENT

Millie Barry

SPECIES

Canine

BREED

Chihuahua

SEX

Female Spayed

AGE

13 years

WEIGHT

7.3lbs

INTERPRETED BY

Maggie Machen Lamy, DVM DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

28640

DATE

1/31/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B2. Millie has lost some weight (approximately one lb since last visit) which is concerning to the owner. Her sight and hearing appear to be declining and she has been noted to be sleeping more recently. On exam: NSR, grade IV/VI murmur with PMI left apical area radiating to right, PSS, lung fields clear, mm pink, moist, CRT<2. Current medications: Pimobendan/vetmedin 3.75mg 1/3 tab twice a day *No sedation for study.

-Pertinent previous echo findings 97/5/22 MML: LA 2.1 cm; LA:Ao 1.5; LV 2.4 cm; mild LAE; moderate MR; mild TR (2.7 m/s).

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is borderline increased with adequate function. LV wall thicknesses are normal.

Left atrium: The left atrium is mildly dilated.

Mitral valve: The mitral valve is diffusely thickened with significant prolapse into the left atrial lumen. Moderate eccentric mitral regurgitation with a normal velocity.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. 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 septal prolapse and mild tricuspid regurgitation. Borderline 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 obvious cardiac masses.

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

2-Dimensional Measurements

Ao diam (cm)	1.3
LA diam (cm)	1.9
LA:Ao (Swe)	1.5
IVS thickness (cm)	0.7
LVID diastole (cm)	1.9
PW thickness (cm)	0.8
LVID systole (cm)	0.9
FS (%)	53

Doppler Measurements

PV Vmax (m/s)	0.88
AoV Vmax (m/s)	0.84
MR Vmax (m/s)	5.3
TR Vmax (m/s)	2.8
TR PG (mmHg)	32

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings are persistently stable. Moderate MR and mild TR are unchanged with unchanged left and right heart dimensions. No additional issues are identified.

Given these findings, continue Pimobendan going forward. Continued assessment of progression in the future will help predict long term outcome, however prognosis remains guarded; however, the patient has remained stable over serial exams.



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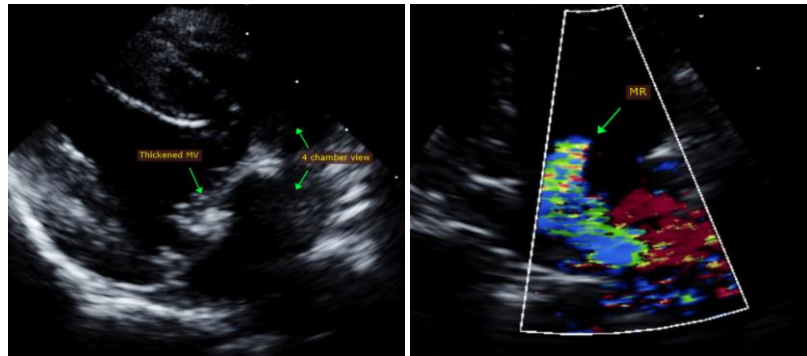
RECOMMENDATIONS

- Continue Pimobendan 0.3mg/kg PO q12h.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- 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.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 6-9 months, sooner if any development of clinical signs.

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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Echocardiogram performed by:

Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)