



PATIENT
Maggie Lougee

SPECIES
Canine

BREED
Dalmatian Mix

SEX
Female Spayed

AGE
13 years

WEIGHT
53lbs

INTERPRETED BY
Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan,
RDCS

HOSPITAL NAME
Mass Veterinary Services

REFERRING VET
Dr. Masloski

INVOICE
25806

DATE
8/16/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B1. Current presentation: Maggie is currently doing well at home. Good appetite and normal activity level. On exam: NSR, grade IV/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 120mmHg x 4. Medications: dasaquin, salmon oil.
-Pertinent previous echo findings (7/2021 MML): Mild to moderate MR, trace TR. LA: 3.0, LV: 3.8, TR: 2.8.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.
Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal.
Left atrium: The left atrium is mildly dilated.
Mitral valve: The mitral valve is mildly thickened with mild prolapse into the left atrial lumen. Mild to 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. Trace 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 normal with no tricuspid regurgitation.
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 100bpm.

2-Dimensional Measurements

Ao diam (cm)	2.2
LA diam (cm)	3.1
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.86
LVID diastole (cm)	3.6
PW thickness (cm)	0.84
LVID systole (cm)	1.8
FS (%)	50

Doppler Measurements

PV Vmax (m/s)	0.66
AoV Vmax (m/s)	1.3
MR Vmax (m/s)	5.5
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with overall stability. MR is unchanged without progression in left heart dimensions. Previously noted TR is not apparent on this exam. Finally, the aortic leak is unchanged and reported blood pressure is normal. No additional issues are identified.

Given these findings, no medications are indicated. Continued assessment of progression in the future will help predict long term prognosis, which remains highly variable at this stage (B1).



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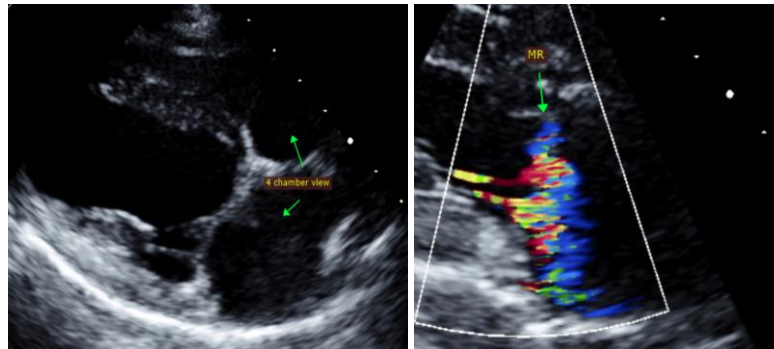
RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- 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 6-12 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)