



PATIENT
Calvin Serra

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B1. Currently, is an anxious canine who breaths heavily and coughs when nervous. Coughs overnight. Overall, Calvin is eating well; his activity remains normal. On exam: NSR, grade II/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 130-140mmHg.
-Pertinent previous echo findings (10/5/21 MML): LA 1.8 cm; LA:Ao 1.5; LV 2.9 cm; mild LAE; mild-moderate MR; no TR.

SPECIES
Canine

BREED
Poodle Mix

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: Normal LV diameter with adequate myocardial function. LV wall thicknesses are normal.

SEX

Left atrium: The left atrium is mildly dilated.

Male Neutered

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

AGE

9 years

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 normal with no tricuspid regurgitation.

WEIGHT

16.5lbs

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 160bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.1
LA diam (cm)	1.8
LA:Ao (Swe)	1.6
IVS thickness (cm)	0.7
LVID diastole (cm)	2.6
PW thickness (cm)	0.7
LVID systole (cm)	1.8
FS (%)	31

Doppler Measurements

PV Vmax (m/s)	0.88
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	4.6
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary Services

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with evidence of stability. While quantitatively the MR does appear increased, the left heart dimensions are unchanged. No concurrent issues have developed, and the disease is overall considered stable.

REFERRING VET

Dr. Masloski

The cough remains noncardiac in origin and primary and respiratory causes should be considered. Consider further respiratory work up/treatment (hydrocodone, taper course of steroids, Enrofloxacin, TTW/BAL, etc.).

INVOICE

26955

Continued assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1).

DATE

10/18/22



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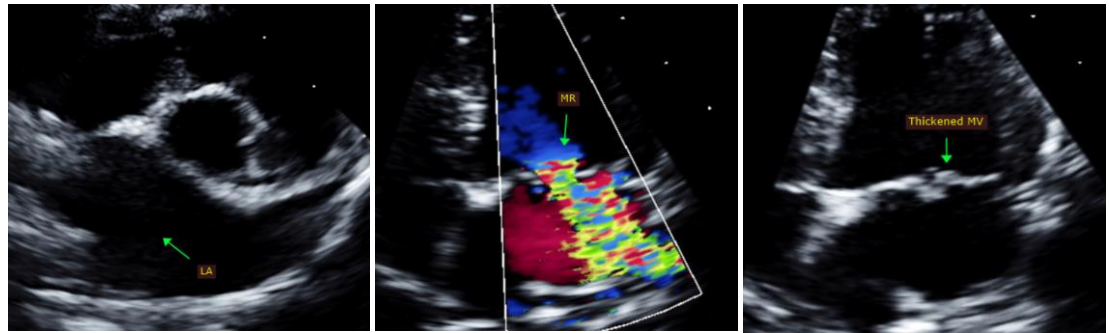
RECOMMENDATIONS

- No cardiac medications are 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 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.

Maggie Machen Lamy, DVM
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
info@sonopath.com

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