



PATIENT

Bartleby O'Brien

SPECIES

Canine

BREED

Dachshund

SEX

Male Neutered

AGE

13 years

WEIGHT

16lbs

INTERPRETED BY

Maggie Machen Lamy, DVM DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

22894

DATE

3/2/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B2. Current presentation: Bartleby is doing well at home with a good appetite and activity level. Occasional cough when excited. On auscultation: NSR, grade IV/VI murmur with PMI left apical area radiating to right, PSS, lung fields clear. BP: 300mmHg x 5.

-Current medications: 1) Pimobendan 7.5mg 1/3 tab twice a day 2) Enalapril 2.5mg 1 tab twice a day 3) Spironolactone 25mg 1/2 tab twice a day 4) Fish oil daily *Sedated with propofol for study.

-Pertinent previous echo findings (8/18/21 MML): LA 3.0 cm; LA:Ao 1.7; LV 3.0 cm; moderate LAE; moderate MR; trace TR.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: No left ventricle dilation with adequate function. LV wall thicknesses are normal.

Left atrium: Mild left atrial enlargement.

Mitral valve: The mitral valve is diffusely thickened with mild 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 normal with trivial 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 180bpm.

2-Dimensional Measurements

Ao diam (cm)	1.7
LA diam (cm)	2.9
LA:Ao (Swe)	1.7
IVS thickness (cm)	0.7
LVID diastole (cm)	2.8
PW thickness (cm)	0.7
LVID systole (cm)	1.5
FS (%)	46

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	0.93
MR Vmax (m/s)	4.8
TR Vmax (m/s)	NM
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Stable chronic degenerative valve disease persists. The mitral and tricuspid regurgitation are similar to the previous study and no progressive left or right heart dilation is identified. No additional issues are noted.

Given these findings, continue 3 medications as previously recommended. Long term prognosis remains guarded, with risk for progression to CHF, LA tear, development of malignant arrhythmias/sudden death going forward.



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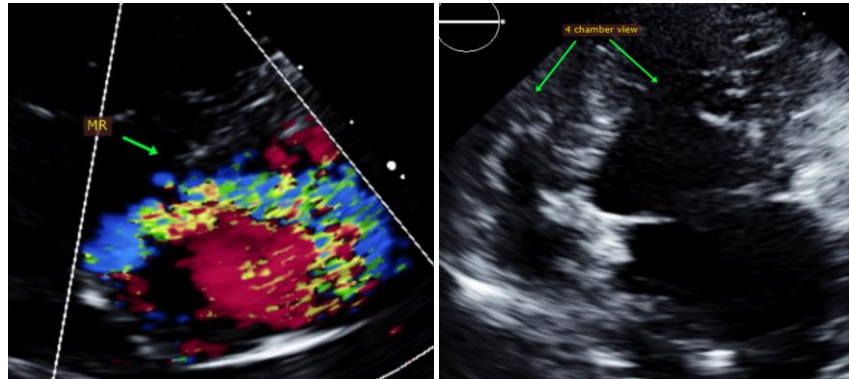
RECOMMENDATIONS

- Continue 3 medications as prescribed.
- Consider hydrocodone with homatropine (0.2-0.4mg/kg up to 4-6 h PRN for cough) if needed for QOL.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Elective anesthesia is not advised.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- Recommend conservative monitoring with a recheck echocardiogram and ECG 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.

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