

PATIENT

Benjamin Lussier

SPECIES

Canine

BREED

Terrier Mix

SEX

Male Neutered

AGE

8 years

WEIGHT

17.9lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

20441

DATE

8/3/21

PRESENTING CLINICAL SIGNS

History: Recheck echo. Presently doing well, good appetite and energy. No labored breathing or exercise intolerance. Grade III murmur. BP: 110-120mmHg.

-Current medications: Pimobendan 7.5mg, 1/3 t BID; Enalapril 2.5mg, 1/5 t BID.

-Pertinent previous echo findings (12/2020 MML): Severe MR, mild TR mild pHTN. LA: 2.1, LA/AO: 2.1, LV: 3.4, TR: 2.9.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is mildly increased with hyperdynamic myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is severely dilated.

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

Aortic valve/Aorta: The aortic valve is normal. 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 mild tricuspid regurgitation; normal velocity.

Pulmonary valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency.

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

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 110bpm.

2-Dimensional Measurements

Ao diam (cm)	1.5
LA diam (cm)	3.2
LA:Ao (Swe)	2.1
IVS thickness (cm)	0.64
LVID diastole (cm)	3.8
PW thickness (cm)	0.63
LVID systole (cm)	2.1
FS (%)	45

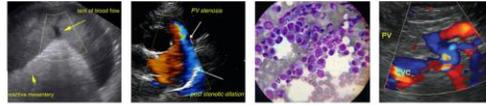
Doppler Measurements

PV Vmax (m/s)	0.8
AoV Vmax (m/s)	1.6
MR Vmax (m/s)	5.9
TR Vmax (m/s)	2.1
TR PG (mmHg)	18

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with evidence of relative stability. Compared to the prior study, the left heart is slightly increased; however, overall, the disease remains stable. Pulmonary pressures are slightly improved, and the right heart appears normal in dimension. No additional issues are noted.

Given these findings and a stable patient, no additional medications are indicated. Close monitoring of breathing rates at home is advised.



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Prognosis remains guarded long-term (stage: late B2) with risk for development of CHF, malignant arrhythmias, and/or sudden death in the future.

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RECOMMENDATIONS

- Continue Pimobendan/ACE-I as prescribed.
- Elective anesthesia is not advised.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.
- Monitoring of sleeping breathing rates is advised as the best way to screen for progression to CHF in the future.

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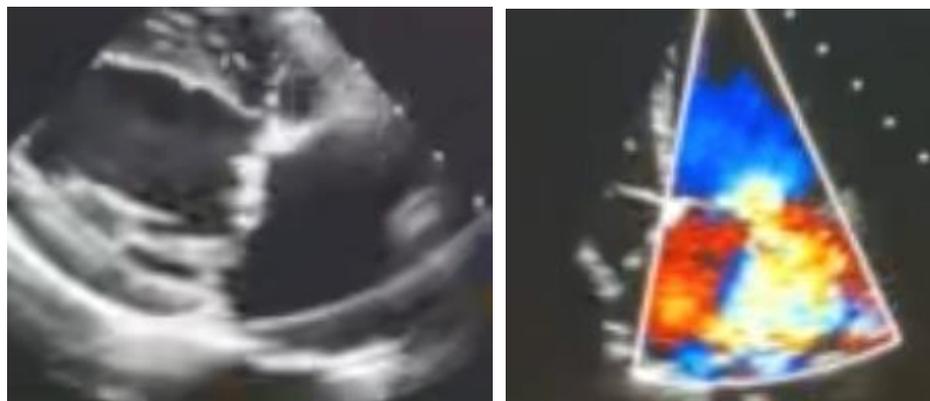
PLAN

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

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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.

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

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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.

REFERRING VET

Dr. Masloski

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

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