



PATIENT

Leo O'Connor

SPECIES

Canine

BREED

Chihuahua

SEX

Male Neutered

AGE

12 years

WEIGHT

6.6lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Services

REFERRING VET

Dr. Masloski

INVOICE

27482

DATE

11/15/22

PRESENTING CLINICAL SIGNS

History: Recheck Echo. History: chronic valvular disease. Currently, doing well at home. Very picky eater. On exam: NSR, Grade IV/VI murmur with PMI left apical area radiating to right, PSS, lung fields clear, mm pink, moist. Current medications: 1) Pimobendan/vetmedin 1.25mg 1/2 tab twice a day 2) Lasix/furosemide 12.5mg 1/4 tab twice a day 3) Enalapril 2.5mg 1/2 tab twice a day 4) Multiple eye medications *Sedated with Propofol for study.
-Pertinent previous echo findings (5/11/22 MML); LA 1.2 cm, LA:Ao 1.0, LV 1.3 cm, normal LA size, decreased LV size, mild MR, mild TR (1.9 m/s), improved pulmonary pressures.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: Decreased LV diameter with normal function. LV wall thicknesses are increased.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is diffusely thickened with prolapse into the left atrial lumen. Mild eccentric mitral regurgitation.

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 thickened with septal prolapse and mild tricuspid regurgitation. Normal 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 160bpm.

2-Dimensional Measurements

Ao diam (cm)	1.2
LA diam (cm)	1.4
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.74
LVID diastole (cm)	1.2
PW thickness (cm)	0.74
LVID systole (cm)	0.4
FS (%)	66

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	0.7
MR Vmax (m/s)	NM
TR Vmax (m/s)	2.0
TR PG (mmHg)	16

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings are similar. Mild mitral and tricuspid regurgitation are unchanged without left heart enlargement. On the contrary, the LV remains significantly volume contracted. Pulmonary pressures are normal, and no additional issues are identified.

As was discussed previously, it is unlikely that this patient needs continued cardiac medications. At a minimum, recommend discontinue Lasix due to the appearance of the LV.

Prognosis remains guarded long-term.



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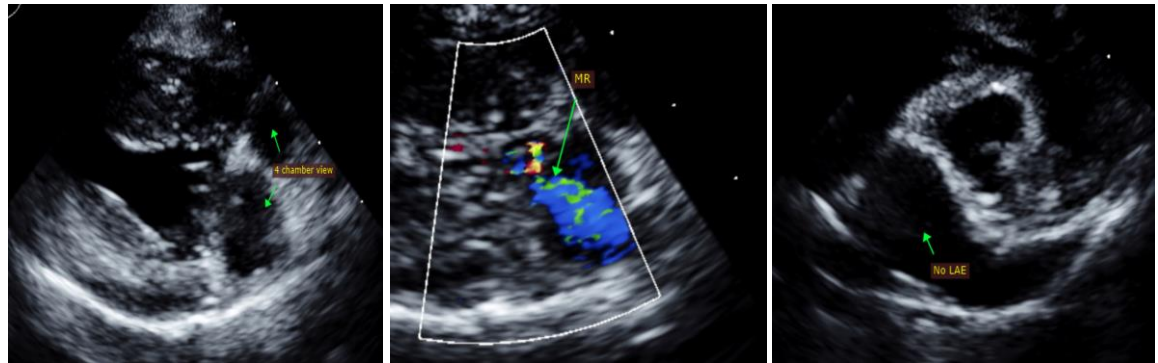
RECOMMENDATIONS

- Discontinue Lasix.
- Baseline renal panel. If azotemic, d/c ACEI.
- Continue Pimobendan.
- Monitor renal values and BP every 3-4 months lifelong.
- 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. Monitoring of sleeping breathing rates is the best way to assess for recurrent CHF in the future.

PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 6-8 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
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Echocardiogram performed by: Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)