



**PATIENT PRESENTING CLINICAL SIGNS**

Toto Lajoie

History: Recheck echo. History HOCM. Presently, doing well with no clinical issues. On Atenolol 25mg, 1/2 tab in A.M. and 1/4 tab in P.M. BP: 150, 158, 158, 160mmHg.  
-Pertinent previous echo findings (12/1/22 MML): LA 1.1 cm, LA: Ao 1.2, IVS 0.81 cm, PW 0.98 cm, LVOT Vmax 3.5m/s. Marked LVH, endocardial fibrosis and remodeling. Normal LA size.

**SPECIES**

Feline

**ECHOCARDIOGRAM FINDINGS**

**BREED**

DLH

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

**SEX**

Male Neutered

**Left ventricle:** The LV chamber is normal with adequate myocardial function. The LV wall thicknesses are moderately increased. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles are severely hypertrophied and hyperechoic. False tendon. The endocardium appears mildly remodeled.

**Left atrium:** The left atrium is normal. No smoke or thrombi seen.

**Mitral valve:** The anterior leaflet of the mitral valve appears mildly thickened. Systolic anterior motion is seen on 2D imaging. No MR.

**AGE**

4 years

**Aortic valve/Aorta:** The aortic valve is normal in morphology and mobility. The LVOT velocity is normal. No aortic insufficiency.

**Right ventricle:** Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

**WEIGHT**

16.6lbs

**Right atrium:** The right atrium is normal in dimension.

**Tricuspid valve:** The tricuspid valve appears normal with no tricuspid regurgitation.

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

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**Pericardium/other:** No pericardial or pleural effusion noted. No obvious cardiac masses.  
**Heart rhythm:** ECG reveals a sinus rhythm with an average HR of 166bpm.

**2-Dimensional Measurements**

Ao diam (cm)	0.9
LA diam (cm)	1.2
LA:Ao (Swe)	1.3
IVS thickness (cm)	0.71
LVID diastole (cm)	1.3
PW thickness (cm)	0.78
LVID systole (cm)	0.6
FS (%)	50

**Doppler Measurements**

PV Vmax (m/s)	0.9
AoV Vmax (m/s)	1.0
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDMS

**HOSPITAL NAME**

Wignall Animal  
Hospital

**REFERRING VET**

Dr. Dietrich

**INTERPRETATION OF THE FINDINGS**

Hypertrophic obstructive cardiomyopathy persists with improvement on Atenolol. The LV hypertrophy is improved, and the LA remains normal. The LVOT velocity is normal, and the dose of atenolol appears adequate. No additional issues are identified.

**INVOICE**

31634

Given these findings, continue atenolol going forward with no indication for additional medications. Prognosis remains guarded due to the highly variable nature of feline subclinical cardiomyopathy.

**DATE**

6/30/23



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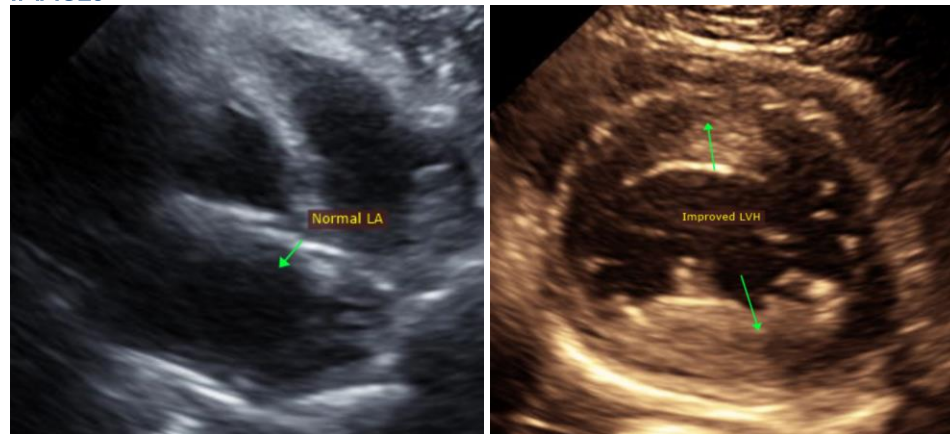
**RECOMMENDATIONS**

- Continue atenolol as prescribed.
- Screening BP/T4 every 6 months.
- Anesthetic risk is considered mildly elevated, however judicious IV fluid rates are advised to avoid fluid overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (glycopyrrolate, atropine).
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

**PLAN**

- Recommend recheck echocardiogram in 6-12 months to assess rate of progression, sooner if any issues arise in the interim.

**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](http://4paus.com))