



**PATIENT PRESENTING CLINICAL SIGNS**

Noah Buckley

History: Recheck echo. History hypertensive heart disease. Doing well clinically. Grade III/VI heart murmur. Current medications Amlodipine 1.25 mg/ml- 0.5 ml SID. BP: 157, 158, 159mmHg.

**SPECIES**

Feline

-Pertinent previous echo findings (6/2/22 MML): LA 1.2 cm, LA:Ao 0.9, LVID 1.38 cm, IVS 0.50 cm, PW 0.53 cm, borderline LVH with preserved systolic function, significantly dilated aorta, mild-moderate AI, normal LA size.

**BREED**

DMH

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

**SEX**

Male Neutered

**Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are normal. There is a mildly hyperechoic endocardium consistent with fibrosis. The papillary muscles are remodeled and hyperechoic. The endocardium appears remodeled.

**AGE**

11 years

**Left atrium:** The left atrium is normal in dimension. No obvious spontaneous contrast or thrombi seen.

**WEIGHT**

9.7lbs

**Mitral valve:** The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen. No mitral regurgitation.

**Aortic valve/Aorta:** The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. Mild aortic insufficiency. The ascending segment of the aorta is significantly dilated.

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

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

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**Tricuspid valve:** The tricuspid valve appears normal with no 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 230bpm.

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDMS

**2-Dimensional Measurements**

Ao diam (cm)	0.9
LA diam (cm)	1.1
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.47
LVID diastole (cm)	1.1
PW thickness (cm)	0.45
LVID systole (cm)	0.3
FS (%)	72

**Doppler Measurements**

PV Vmax (m/s)	0.92
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**HOSPITAL NAME**

Wignall Animal  
Hospital

**REFERRING VET**

Dr. Cramb

**INVOICE**

28442

**DATE**

1/19/23

**INTERPRETATION OF THE FINDINGS**

Compared to the prior study, there is evidence of improvement overall. While aorta remains dilated, the LV wall thickness has normalized, and the aortic insufficiency has improved. The LA remains normal, indicating low risk for complication and no additional issues are identified.

Given these findings, continue Amlodipine as prescribed as the reported blood pressures appear reasonable.



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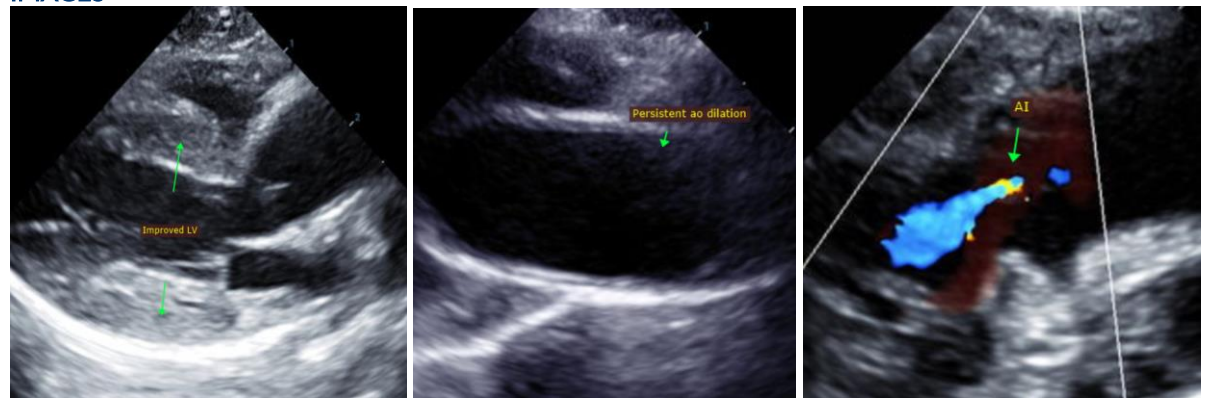
**RECOMMENDATIONS**

- Given these findings, no cardiac specific medications are indicated.
- Continue Amlodipine as prescribed and monitor BP every 4-6 months.
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).
- No cardiac contraindication for general anesthesia.

**PLAN**

- Recommend recheck echocardiogram annually, sooner if clinical signs arise.

**IMAGES**



**INTERPRETED BY**

Maggie Machen  
 Lamy, DVM  
 DACVIM (Cardiology)

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.

**IMAGING PERFORMED BY**

Pamela Harrigan,  
 RDMS

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

**HOSPITAL NAME**

Wignall Animal  
 Hospital

**Echocardiogram performed by:** Pamela Harrigan, RDMS  
 Pet Animal Ultrasound Service ([4paus.com](http://4paus.com))

**REFERRING VET**

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