



**PATIENT**  
Harmony Here Today  
Sanctuary

**SPECIES**  
Feline

**BREED**  
DSH

**SEX**  
Female Spayed

**AGE**  
5 years

**WEIGHT**  
9.75lbs

**INTERPRETED BY**  
Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**  
Pamela Harrigan,  
RDCS

**HOSPITAL NAME**  
Mass Veterinary  
Services

**REFERRING VET**  
Dr. Masloski

**INVOICE**  
28856

**DATE**  
2/8/23

**PRESENTING CLINICAL SIGNS**

History: Harmony was recently adopted and noted to have a heart murmur. She has a good appetite and normal activity level. On exam; NSR, grade III/VI parasternal murmur, PSS, lung fields clear, compressible thorax, mm pink, moist, CRT<2. BP: 110mmHg x 5. \*Sedated with propofol for study.

**ECHOCARDIOGRAM FINDINGS**

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

**Left ventricle:** The LV diameter is normal with regions of irregularity. Adequate myocardial function. The papillary muscles appear hyperechoic consistent with fibrosis. The endocardium appears mildly remodeled.

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

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

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

**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 140bpm.

**2-Dimensional Measurements**

|                    |      |
|--------------------|------|
| Ao diam (cm)       | 0.9  |
| LA diam (cm)       | 1.2  |
| LA:Ao (Swe)        | 1.3  |
| IVS thickness (cm) | 0.42 |
| LVID diastole (cm) | 1.46 |
| PW thickness (cm)  | 0.47 |
| LVID systole (cm)  | 0.50 |
| FS (%)             | 66   |

**Doppler Measurements**

|                |     |
|----------------|-----|
| PV Vmax (m/s)  | 0.8 |
| AoV Vmax (m/s) | 1.1 |
| MR Vmax (m/s)  | NA  |
| TR Vmax (m/s)  | NA  |
| TR PG (mmHg)   | NA  |

**INTERPRETATION OF THE FINDINGS**

Essentially normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. The LV is more remodeled than is expected in a 5-year-old cat and follow up is advised. No obvious congenital defects are seen at this time. No cause for the murmur is identified in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

**RECOMMENDATIONS**

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia.
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).



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**PLAN**

- Recommend recheck echocardiogram in 1 year to reassess murmur origin and screen for development of disease or progression that the pre-existing murmur may mask.

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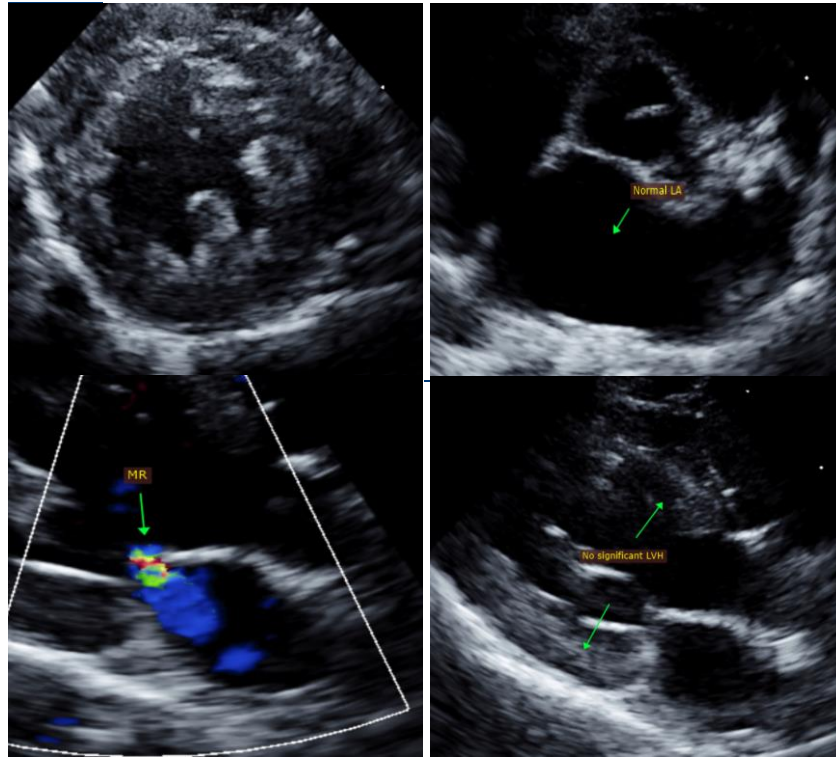
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**IMAGES**



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.

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDCS

**HOSPITAL NAME**

Mass Veterinary  
Services

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Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com

**REFERRING VET**

Dr. Masloski

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

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