



**PATIENT**

Miley Colon

**SPECIES**

Feline

**BREED**

DLH

**SEX**

Female Spayed

**AGE**

5 years

**WEIGHT**

8.9lbs

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDCS

**HOSPITAL NAME**

Mass Veterinary Services

**REFERRING VET**

Dr. Masloski

**INVOICE**

25417

**DATE**

7/19/22

**PRESENTING CLINICAL SIGNS**

History: Miley is referred to evaluate a heart murmur. Needs dental prophylaxis; has a history of upper airway congestion/noisy breathing. Good appetite and normal activity level. On exam: NSR, grade III/VI parasternal murmur though marked upper airway noises noted, PSS, lung fields clear with exception of marked upper airway noise, especially over trachea. Current medications: Gabapentin 100mg 1 capsule twice a day \*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 adequate myocardial function. The LV wall dimensions are normal. There is mild fibrosis of the endocardium. The endocardium appears minimally remodeled. The papillary muscles appear hyperechoic and normal in dimension.

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

**Mitral valve:** The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen. No 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 180bpm.

**2-Dimensional Measurements**

Ao diam (cm)	0.9
LA diam (cm)	1.0
LA:Ao (Swe)	1.1
IVS thickness (cm)	0.40
LVID diastole (cm)	1.3
PW thickness (cm)	0.41
LVID systole (cm)	0.49
FS (%)	62

**Doppler Measurements**

PV Vmax (m/s)	0.75
AoV Vmax (m/s)	0.92
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**INTERPRETATION OF THE FINDINGS**

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. There is mild remodeling and fibrosis of the left ventricular wall, which is considered normal. No cause for the murmur is identified in this study, making it likely physiologic in origin (often masked by sedation).

**RECOMMENDATIONS**

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia.
- Risk for complication with steroid use typically follows LA dilation, which in this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.



**PATIENT**  
Miley Colon

- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc).

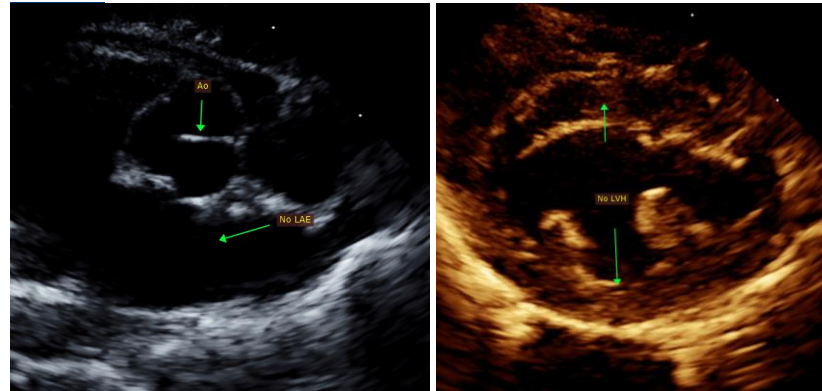
**PLAN**

**SPECIES**  
Feline

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

**IMAGES**

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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.

**INTERPRETED BY**

Maggie Machen Lamy, DVM  
DACVIM (Cardiology)

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

**IMAGING PERFORMED BY**

Pamela Harrigan, RDCS

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

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