



**PATIENT**  
Meekie Awad

**PRESENTING CLINICAL SIGNS**

History: Meekie was noted to have a heart murmur in December. Doing well clinically - good appetite, normal activity level. On exam: NSR, grade II/VI parasternal murmur, PSS, lung fields clear, compressible thorax. BP: 130-140mmHg. \*No sedation for study.

**SPECIES**  
Feline

**ECHOCARDIOGRAM FINDINGS**

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

**BREED**  
DSH

**Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall dimensions are normal. There is no significant fibrosis of the endocardium. The endocardium appears mildly remodeled. False tendon. The papillary muscles appear hyperechoic and normal in dimension.

**SEX**

Male Neutered

**Left atrium:** The left atrium is borderline enlarged. No obvious smoke or thrombi seen.

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

**AGE**

3 years

**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.

**WEIGHT**

11.63lbs

**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 200bpm.

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**2-Dimensional Measurements**

Ao diam (cm)	1.0
LA diam (cm)	1.3
LA:Ao (Swe)	1.35
IVS thickness (cm)	0.43
LVID diastole (cm)	1.6
PW thickness (cm)	0.43
LVID systole (cm)	0.65
FS (%)	59

**Doppler Measurements**

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	1.6
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDCS

**HOSPITAL NAME**

Mass Veterinary Services

**INTERPRETATION OF THE FINDINGS**

Overtly normal cardiac structure and function are identified. The LV morphology is essentially normal with no evidence of hypertrophy. Mild remodeling is noted, which may be a normal variant; however, follow up is advised. Additionally, the LA is borderline in dimension, which should be reassessed in the future. No definitive cause is identified for the murmur in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

**REFERRING VET**

Dr. Masloski

Prognosis is open.

**INVOICE**

25290

**RECOMMENDATIONS**

- Given these findings, no medications are indicated.

**DATE**

7/13/22



**PATIENT**  
Meekie Awad

- No cardiac contraindication for general anesthesia. Should fluid or steroid therapy be indicated in the future, any cat should be monitored for intolerance (changes in RR/RE).
- Monitor at home for signs of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes).

**SPECIES**  
Feline

**PLAN**

- Recommend recheck echocardiogram in 1 year to assess for any progressive issues or development of disease the pre-existing murmur may mask.

**BREED**  
DSH

**IMAGES**

**SEX**

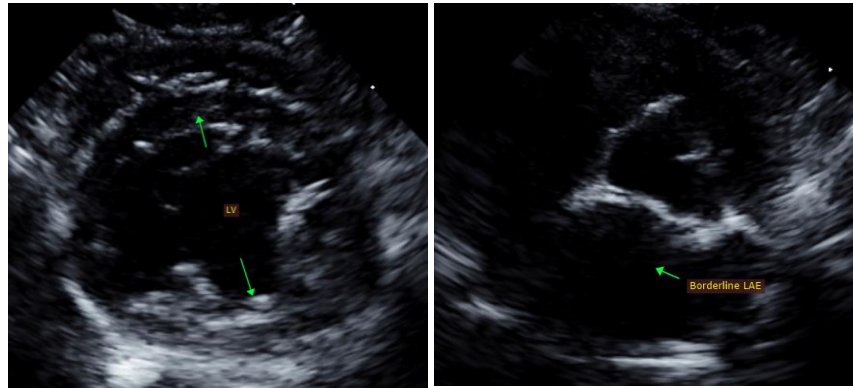
Male Neutered

**AGE**

3 years

**WEIGHT**

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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,  
RDCS

**Maggie Machen Lamy, DVM**  
**Diplomate of the American College of Veterinary Internal Medicine (Cardiology)**  
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**HOSPITAL NAME**

Mass Veterinary Services

**Echocardiogram performed by:**

Pamela Harrigan, RDCS  
Pet Animal Ultrasound Service (4paus.com)

**REFERRING VET**

Dr. Masloski

**INVOICE**

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**DATE**

7/13/22