



**PATIENT**

Ayla Burlington  
Humane Society

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Femal Intact

**AGE**

1 year

**WEIGHT**

7.7lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Crystal Hill, RVT

**HOSPITAL NAME**

Burlington Humane  
Society

**REFERRING VET**

Dr. Wallace

**INVOICE**

30276

**DATE**

4/17/23

**PRESENTING CLINICAL SIGNS**

History: Intermittent grade 2/6 heart murmur. Assess prior to anesthesia.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic endocardium consistent with mild fibrosis. The papillary muscles are normal in size and hyperechoic. The endocardium appears normal. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is normal in structure and mobility. Normal flow through both the RVOT and LVOT. Trace TR. Normal velocity. No MR. No AI or PI. No pleural or pericardial effusion seen. No obvious cardiac tumors.

**CARDIAC CHART**

| FELINE CARDIAC PARAMETERS  | BODY WEIGHT (kg) | HR (BPM)                        | IVSd (cm) (Moise, Pipers)                | LVIDd (cm) (Moise, Pipers) | LVWd (cm) (Moise, Pipers) | FS (%)      | EF (%) |
|--|------------------|---------------------------------|--|----------------------------|---------------------------|-------------|--------|
| NORMAL PARAMETER   | -----            | 150-240                         | 0.35-0.55                                | <2 (mean 1.5)              | 3.5-0.55                  | 35-67       | 80-100 |
| PATIENT  | 3.5              | 200                             | 0.43                                     | 1.3                        | 0.46                      | 59          | 91     |
| FELINE CARDIAC PARAMETERS  | LA/AO (Boon)     | LA/AO HEART BASE (Swe) (Abbott) | LA 2D short axis Base view (cm) (Abbott) | LVOT VEL (m/s)             | RVOT VEL (m/s)            | E max (m/s) |        |
| NORMAL   | <1.5             | <1.3                            | <1.2                                     | <1.6                       | <1.3                      | <0.9        |        |
| PATIENT  | NM               | 1.3                             | 1.3                                      | 0.8                        | 1.0                       | NM          |        |
| <p><i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i><br/>Adapted from June Boon, Veterinary Echocardiography, 1998<br/>Abbott J &amp; MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.</p> |                  |                                 |  |                            |                           |             |        |

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Overtly normal cardiac structure and function. The LV wall thickness is normal and there is no evidence of elevated left atrial pressure. No cause for the murmur is identified in this study, making it likely physiologic in origin. No pathology is appreciated. It is important to note that small congenital abnormalities are easily missed. If the murmur persists or progresses, or certainly if clinical signs arise referral is recommended.

Given these findings, no medications are indicated. It is important to note that phenotypic HCM can develop at any phase of life in cats and often does not accompany a heart murmur or PE abnormalities. Periodic screening is ideally recommended in all cats.

No cardiac contraindication for general anesthesia at this time.

Recommend recheck echocardiogram in 1 year to screen for any development of disease that the preexisting murmur may mask.



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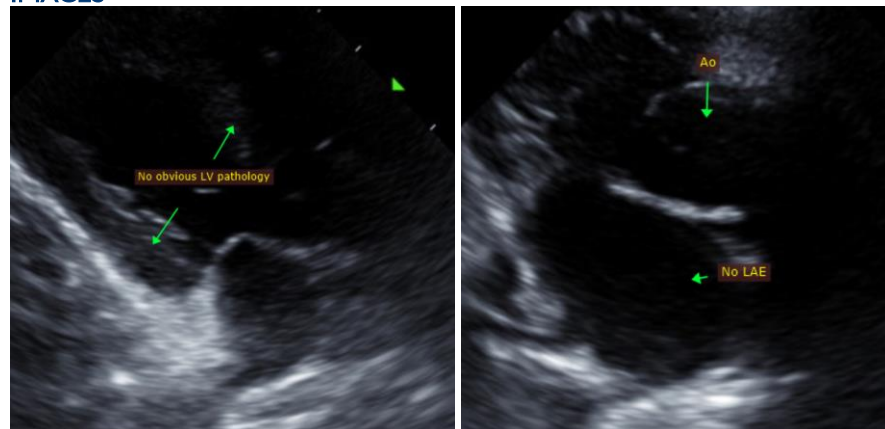
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**IMAGES**



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.

Maggie Machen Lamy, DVM  
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