



**PATIENT**

Lulu Jaramillo

**PRESENTING CLINICAL SIGNS**

History: Grade 2/6 heart murmur. Chronic vomiting + inappetence  
-Abnormal PE/Chem/CBC/UA Results: Creat 2.6.

**SPECIES**

Feline

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall thickness is normal. There is a mildly hyperechoic endocardium with regions of irregularity. The left ventricular chamber is normal in dimension. The papillary muscles appear 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. There is trivial mitral regurgitation present. Mild tricuspid regurgitation identified. Normal TR velocity. Blood flow through the RVOT is normal in velocity. No obvious obstruction seen on color flow or 2D imaging. No effusions or cardiac tumors are identified.

**BREED**

DSH

**SEX**

Female Spayed

**CARDIAC CHART**

**AGE**

13 years

**WEIGHT**

7.2lbs

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
<b>PATIENT</b>	3.3	196	0.49	1.1	0.48	68	96
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE <small>(Swe) (Abbott)</small>	LA 2D short axis Base view (cm) <small>(Abbott)</small>	LVOT VEL  (m/s)	RVOT VEL  (m/s)	E max  (m/s)	
<b>NORMAL</b>	<1.5	<1.3	<1.2	<1.6	<1.3	<0.9	
<b>PATIENT</b>	NM	1.2	1.2	NM	1.5	NM	

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

*\*Note: All measurements based upon multi-modal images and methods. An average value is reported.*  
Adapted from June Boon, Veterinary Echocardiography, 1998  
Abbott J & 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.

**IMAGING PERFORMED BY**

Val Shumskaya

**HOSPITAL NAME**

Animal General  
Edgewater

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The only abnormality identified is mild tricuspid regurgitation. TR in cats is most often physiologic, with little progression or clinical relevance. The left heart is largely normal with mild remodeling and fibrosis, which is likely an age-related variant. Both atria are normal, indicating low risk for complication. No additional issues are noted.

**REFERRING VET**

Dr. Dima

No cardiac contraindication for anesthesia at this time.

**INVOICE**

31937

No medications are indicated. Monitor in the future for respiratory compromise, syncope/lethargy, or signs of a blood clot (paralysis, lameness).

**DATE**

7/19/23

Recommend recheck echocardiogram in 12 months to screen for progression.



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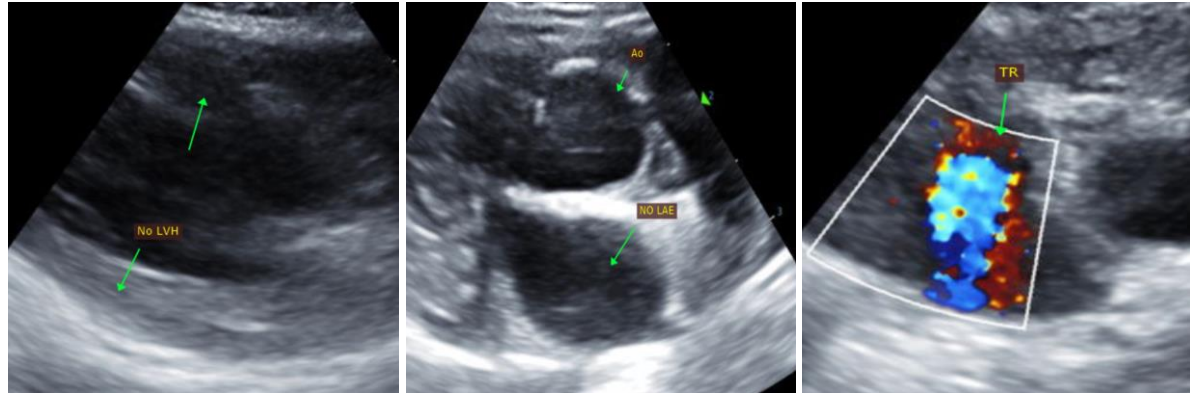
**INVOICE**

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**DATE**

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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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