



**PATIENT**

Molly Waters

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Female Spayed

**AGE**

2 years

**WEIGHT**

7.1kgs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Nigel Gumley, DVM

**HOSPITAL NAME**

Cedarview Animal  
Hospital

**REFERRING VET**

Dr. Gumley

**INVOICE**

27256

**DATE**

11/3/22

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. No murmur recently detected. Asymptomatic.

-Sedation: Butorphanol and Alfaxan IV for the echo (fractious).

-Pertinent previous echo findings (12/2020 MML): Small restrictive VSD, L to R. Borderline LA, no LVE.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The LV chamber is normal in diastole. A trivial abnormality is seen on color flow imaging in the region of the prior VSD; however, this is certainly insignificant. The left atrium is normal in size. Normal aortic root. The right atrium is normal in size. The right ventricle appears normal. The MPA is normal. The mitral valve is normal in structure and mobility. Blood flow through the LVOT and RVOT is normal in velocity. There is no pleural or pericardial effusion seen.

**CARDIAC CHART**

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (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		160	0.45	1.52	0.46	46	82
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	1.4	1.3		0.7	0.82	NM

*\*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.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

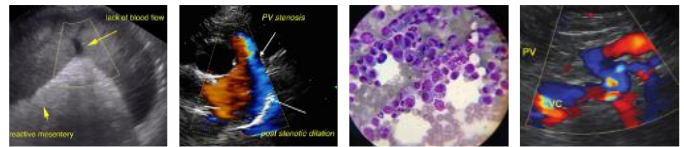
The previously noted VSD has essentially closed, which is great news. A trivial flow abnormality is seen in the region of the defect; however, this is hemodynamically insignificant. The overall cardiac dimensions and function appear normal. No additional issues are identified.

Given these findings, no medications are indicated. Recheck is only necessary should a murmur or gallop be ausculted in the future.

Monitor at home for any associated clinical signs, including respiratory changes or signs of a thrombus.

No cardiac contraindication for general anesthesia.

Recommend recheck annually to screen for development of silent disease. Sooner if a murmur or signs of cardiac compromise develop.



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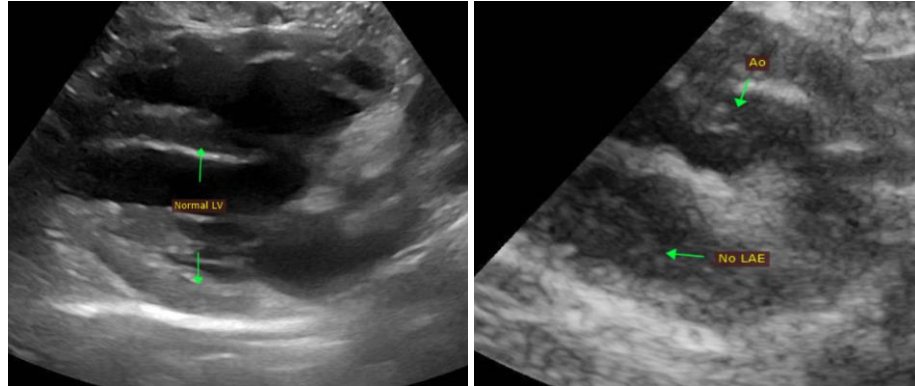
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**IMAGES**



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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