


**PATIENT**

Batsie Dante

**SPECIES**

Feline

**BREED**

Maine Coon

**SEX**

Female Spayed

**AGE**

9 years

**WEIGHT**

17lbs

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM, DACVIM  
 (Cardiology)

**IMAGING PERFORMED BY**

Jessica Miller, RDMS

**HOSPITAL NAME**

 Millburn Veterinary  
 Hospital

**REFERRING VET**

Dr. Turowsky

**INVOICE**

21604

**DATE**

10/19/21

**PRESENTING CLINICAL SIGNS**

History: Several month history of occasional coughing/hacking. No murmur, just enlarged heart on chest radiographs. No current medications.

-Abnormal PE/Chem/CBC/UA Results: WNL.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a diffusely hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly remodeled and hyperechoic. The endocardium also appears remodeled. 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. Blood flow through both the LVOT and RVOT is normal in velocity. 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	7.7	220	0.49	1.34	0.5	40	76
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	1.1	1.2	1.0		1.0	0.7	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**

Essentially normal geriatric 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, and this may be indicative of early cardiac disease or may simply represent a normal variant. Serial echocardiography will be necessary to determine progression.

These findings make the chest radiograph findings a normal variant and these films should be used as a baseline for further comparison. If the patient is overweight, fat in the pericardial space is a common cause of apparent cardiomegaly in these cases. Additionally, the cough is certainly non-cardiac in origin. Given these findings, no medications are indicated.

Anesthetic risk is considered mild. With this degree of remodeling and diastolic stiffening, there is an elevated risk for fluid overload in this patient and judicious IV fluid use is recommended. Heart rate stimulating drugs such as atropine, glycopyrrolate or ketamine should be avoided unless medically necessary.



**PATIENT**

Batsie Dante

Recommend recheck echocardiogram in 1 year to assess for any progressive issues.

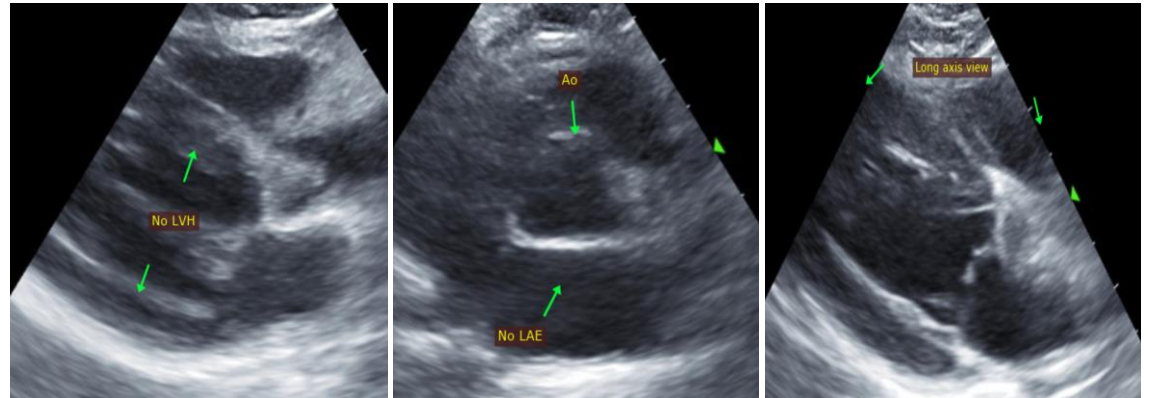
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**IMAGES**

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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.

**WEIGHT**

17lbs

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.

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

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