


**PATIENT**

Jasper Wursta

**PRESENTING CLINICAL SIGNS**

History: Grade 3/6 heart murmur. Assess prior to dental.

**SPECIES**

Feline

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is borderline in dimension. There is a mildly hyperechoic endocardium consistent with fibrosis. The papillary muscles are mildly hypertrophied 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.

**BREED**

DSH

**SEX**

Male Neutered

**CARDIAC CHART**
**AGE**

13 years

**WEIGHT**

9.3lbs

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM DACVIM  
 (Cardiology)

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 (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	4.2	150	0.56	1.1	0.55	46	81
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE (Swe) <small>(Abbott)</small>	LA 2D short axis Base view Base view (cm) <small>(Abbott)</small>		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	1.1		0.7	0.8	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.*

**IMAGING PERFORMED BY**

Kelly Reschny, RVT

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The only abnormality identified is borderline LV hypertrophy. This is in addition to mild LV remodeling, which may be indicative of early hypertrophic disease or may simply represent a normal variant. A baseline BP and T4 are recommended. Regardless, the LA remains normal which would indicate clinical stability. Serial echocardiography will be necessary to determine progression and clinical significance. Additionally, no definitive cause is identified for the murmur in this study, making it likely benign and secondary to tachycardia/stress.

**HOSPITAL NAME**

 East Credit Veterinary  
 Hospital

**REFERRING VET**

Dr. Webster

With a normal LA dimension, no medications are indicated.

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Anesthetic risk is mild, however any cat with this degree of fibrosis and diastolic dysfunction will be at risk for iatrogenic IV fluid overload should they be needed in the future.

**DATE**

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Monitor for any development of clinical signs, including labored breathing or signs of a blood clot (paralysis, neurologic change).



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Recheck echocardiogram is recommended in 6-12 months, sooner if clinical sings arise.

**IMAGES**

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**HOSPITAL NAME**

East Credit Veterinary  
Hospital

**REFERRING VET**

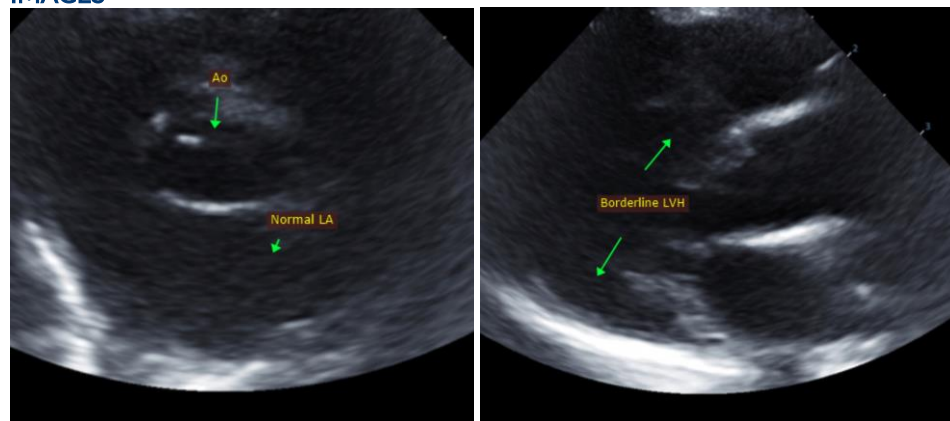
Dr. Webster

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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.

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.