

<b>OSU Veterinary Hospital</b> 601 Vernon Tharp Street Columbus, OH 43210 Phone: (614) 292-3551 Fax: (614) 292-2053	<b>ECHOCARDIOGRAPHY REPORT - CARDIOLOGY SERVICE</b> <b>THE OHIO STATE UNIVERSITY VETERINARY MEDICAL CENTER</b>  John Bonagura, DVM, DACVIM   Karsten Schober, DVM, PhD, DECVIM   Jaylyn Rhinehart, DVM, DACVIM Emily Chapel, DVM   Michelle Rohrbaugh, DVM   Alicia Byrd, RVT   Tammy Muse, RVT
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Patient Number: 000 448315

Patient Name: **Sweeney, Ave Maria**Date of study: **05/26/2017**Diagnosing Cardiologist: **JDB**Species: **FEL**Breed: **Maine Coon**Age: **3**Birthdate: **07/10/2014**Sex: **Female**Weight (kg): **6.2 kg**BSA: **0.34 m<sup>2</sup>**

Systolic BP:

### Clinical Findings

The echocardiogram was performed as a screen for hypertrophic cardiomyopathy (HCM) phenotype.

Auscultation: sinus rhythm; no murmurs or gallop sounds.

Screening Exam for Feline Hypertrophic Cardiomyopathy; details: This examination includes subjective evaluation of long and short axis images from the parasternal (intercostal) right-sided acoustic windows. M-mode examination of the LV is also performed. The examination screens for ventricular hypertrophy using 2D long and short axis image planes as well as the standard M-mode images with the cursor placed dorsally to the posterior papillary muscle. Left atrial size is also assessed subjectively and by long-axis maximal diameter. Doppler studies are only performed if needed to evaluate gallop sounds or any murmurs if present.

### Echocardiographic Findings

A screening examination of the heart was undertaken from the right thorax using 2D echocardiography.

The technical examination was of diagnostic quality and the patient was sufficiently cooperative.

There were no structural lesions observed by 2D echocardiography. All chambers were within normal size. No overt valvular lesions were identified. Left ventricular ejection fraction (shortening fraction) was normal. Doppler studies of the cardiac valves were within limits of normal. NSR present throughout study.

### Diagnosis & Recommendations

Normal screening Echo

No evidence of HCM on this examination

Normal chambers sizes for the breed

(JDB)+WNL

<u>2D Measurements</u>		<u>M-Mode</u>		<u>Doppler Measurements</u>
LA Diam	17.5 mm	IVSd	4.6 mm	
LA2D/LVIDd	0.9 (0.8 - 1.1)	LVIDd	19.7 mm	
IVSd-max-Laxis	5.3 mm	LVPWd	5.2 mm	
LVPWd-max-Laxis	4.5 mm	IVSs	8.8 mm	
LVPWd-max-Saxis	5.4 mm	LVIDs	7.8 mm	
		LVPWs	9.5 mm	
		EDV(Teich)	12.2 ml	
		ESV(Teich)	1.0 ml	
		EF(Teich)	91.6 % (> 48.0)	
		%FS	60.6 % (> 25.0)	
		SV(Teich)	11.21 ml	

Echocardiogram Reported by: John D. Bonagura, DVM, DACVIM (Cardiology, Internal Medicine) \_\_\_\_\_