

OSU Veterinary Hospital 601 Vernon Tharp Street Columbus, OH 43210 Phone: (614) 292-3551 Fax: (614) 292-2053	ECHOCARDIOGRAPHY REPORT - CARDIOLOGY SERVICE THE OHIO STATE UNIVERSITY VETERINARY MEDICAL CENTER
	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

Patient Number: 000 **448315**Patient Name: **Sweeney, Ave Maria**Date of study: **05/14/2019**Diagnosing Cardiologist: **JAD**Species: **FEL**Breed: **Maine Coon**Age: **4**Birthdate: **07/10/2014**Sex: **Female**Weight (kg): **7.3 kg**BSA: **0.38 m²**

Systolic BP:

Clinical Findings

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

Auscultation: sinus rhythm; grade 2/6 right parasternal systolic murmur; no gallop sounds.

Cat is currently pregnant.

Echocardiographic Findings

The examination was performed without sedation. The technical examination was of high quality and the patient was sufficiently cooperative. Screening Exam for Feline Hypertrophic Cardiomyopathy. 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 performed if necessary to evaluate gallop sounds or murmurs when present.

There were no structural lesions observed by 2D echocardiography.

All chambers were within normal size.

Left ventricular ejection fraction (shortening fraction) was normal.

No overt valvular lesions were identified.

Doppler flow studies of the cardiac valves were within limits of normal.

Diagnosis & Recommendations

No evidence of hypertrophic cardiomyopathy

Normal echocardiogram

JDR

<u>2D Measurements</u>		<u>M-Mode</u>		<u>Doppler Measurements</u>	
LA Diam	17.8 mm	IVSd	4.7 mm	AV Vmax	1.89 m/s (< 2.00)
IVSd-max-Laxis	4.6 mm	LVIDd	17.7 mm	AV maxPG	14.26 mmHg
IVSd-max-Sax	5.3 mm	LVPWd	6.0 mm	Mitral Inflow	106.7 cm/s
LVPWd-max-Laxis	5.5 mm	IVSs	7.5 mm	(Fused E+A)	
LVPWd-max-Saxis	4.9 mm	LVIDs	9.2 mm	PV Vmax	0.99 m/s (< 1.60)
LA2D/LVIDd	1.01	LVPWs	8.1 mm	PV maxPG	3.93 mmHg
		EDV(Teich)	9.3 ml		
		ESV(Teich)	1.6 ml		
		EF(Teich)	82.3 % (> 48.0)		
		%FS	47.9 % (> 25.0)		
		LVPWd/LVIDd	0.34		

Echocardiogram Reported by: Dr. Jaylyn D. Rhinehart, DACVIM (Cardiology) _____