

<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 Durham Rhinehart, DVM    Emily Chapel, DVM    Alicia Byrd, RVT    Tammy Muse, RVT

Patient Number: 000 **455921**Patient Name: **Sweeney, Sarajen Angelo**Date of study: **04/29/2016**Diagnosing Cardiologist: **KES**Species: **FEL**Breed: **Maine Coon**Age: **1**Birthdate: **03/07/2015**Sex: **Male**Weight (kg): **6.5 kg**BSA: **0.35 m<sup>2</sup>**

Systolic BP:

### Clinical Findings

Heart certification

HR 196 bpm, regular, no heart murmur

### Echocardiographic Findings

The technical examination was of high quality and the patient was sufficiently cooperative. Level 2 Echo: focused 2D, M-mode and Doppler examinations were conducted including subjective evaluation of cardiac morphology, size, and function along with limited structural and functional measurements. This examination demonstrated the following:

Normal LA size

Normal LV wall thickness

Normal LV systolic and diastolic function

Normal MV and LVOT

Normal right heart chambers

Anatomically normal TV with minimal leakage

Normal RVOT

Normal sinus rhythm during the study.

### Diagnosis & Recommendations

Normal echocardiogram

Trace tricuspid regurgitation

No evidence of congenital or acquired heart disease. No evidence of HCM.

<u>2D Measurements</u>		<u>M-Mode</u>		<u>Doppler Measurements</u>	
LA Diam	17.1 mm	IVSd	4.7 mm	AV Vmax	1.11 m/s (< 2.00)
LA2D/LVIDd	0.9 (0.8 - 1.1)	LVIDd	18.6 mm	AV maxPG	4.97 mmHg
IVSd-max-Laxis	4.3 mm	LVPWd	4.1 mm	MV E Vel	74 cm/s (60 - 110)
IVSd-max-Saxis	3.8 mm	IVSs	7.2 mm	MV DecT	46.2 m/s
LVPWd-max-Laxis	4.9 mm	LVIDs	9.4 mm	MV Dec Slope	16.47 m/s <sup>2</sup>
LVPWd-max-Saxis	4.2 mm	LVPWs	7.8 mm	MV A Vel	56.8 cm/s
LVIDd	16.0 mm	EDV(Teich)	10.6 ml	MV E/A Ratio	1.31
		ESV(Teich)	1.8 ml	Mitral E/Ea-Lateral	8.6 (< 10.0)
		EF(Teich)	83.5 % (> 48.0)	IVRT	0.033 s
		%FS	49.4 % (> 25.0)	E/IVRT	22.2
		LVPWd/LVIDd	0.22	PV Vmax	0.85 m/s (< 1.60)
				PV maxPG	2.92 mmHg
				TDI-Ea-Lateral	8.7 cm/s
				TDI-Aa-Lateral	9.2 cm/s
				Ea/Aa-Lateral	0.9
				LAapp Vmax	53.5 cm/s

Echocardiogram Reported by: Karsten E. Schober, DVM, PhD, DECVIM