

601 Vernon Tharp Street Columbus, OH 43210 Phone: (614) 292-3551 Fax: (614) 292-2053	<b>ECHOCARDIOGRAPHY REPORT - CARDIOLOGY &amp; INTERVENTIONAL MEDICINE SERVICE</b> <b>THE OHIO STATE UNIVERSITY VETERINARY MEDICAL CENTER</b> John Bonagura, DVM, DACVIM Karsten Schober, DVM, DECVIM Brian Scansen, DVM, DACVIM Jaylyn Durham, DVM Emily Chapel, DVM Alicia Byrd, RVT Tammy Muse, RVT
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Patient Number: 000 450454

Species: \_\_\_\_\_

Sex: Female

Patient Name: Sweeney, SaraJen Frangelica

Breed: Maine Coon

Weight (kg): 4.8 kg

Date of study: 09/18/2015

Age: 1

BSA: 0.28 m<sup>2</sup>

Diagnosing Cardiologist: JDB

Birthdate: 09/01/2014

Systolic BP: \_\_\_\_\_

### Diagnosis & Recommendations

No evidence of hypertrophic cardiomyopathy or of congenital heart disease based on today's examination. JDB

### 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

<u>2D Measurements</u>		<u>M-Mode</u>	<u>Doppler Measurements</u>
LA Diam	15.2 mm	IVSd	4.3 mm
LA2D/LVIDd	0.9 (0.8 - 1.1)	LVIDd	16.1 mm
IVSd-max-Laxis	3.4 mm	LVPWd	4.2 mm
LVPWd-max-Laxis	4.0 mm	IVSs	6.7 mm
		LVIDs	9.9 mm
		LVPWs	7.3 mm
		EDV(Teich)	7.3 ml
		ESV(Teich)	2.0 ml
		EF(Teich)	72.6 % (> 48.0)
		%FS	38.6 % (> 25.0)
		LVPWd/LVIDd	0.26

Abbreviations: N=normal or WNL=within normal limits; N/E=not evaluated; NSF=no significant findings

EF=ejection fraction; FS=fractional shortening; FAC=fractional area change; TAPSE=tricuspid annular plane systolic excursion

LA=left atrium; LAD=left atrial dilation; LV=left ventricle; LVD=left ventricular dilatation; LVH=left ventricular hypertrophy

RA=right atrium; RAD=right atrial dilation; RV=right ventricle; RVE=right ventricular enlargement; RVH=right ventricular hypertrophy

AV=aortic valve; AR=aortic regurgitation; (S)AS=(subvalvular) aortic stenosis,

MV=mitral valve; AMV=anterior mitral leaflet; PMV=posterior mitral leaflet; MR=mitral regurgitation; TV=tricuspid valve; TR=tricuspid regurgitation

PA=pulmonary artery; PHT=pulmonary hypertension; PV=pulmonic valve; PR=pulmonary regurgitation; PS=pulmonic stenosis

ASD=atrial septal defect; VSD=ventricular septal defect; PDA=patent ductus arteriosus

DVD=degenerative (myxomatous) valvular disease; DCM=dilated cardiomyopathy; HCM=hypertrophic cardiomyopathy; PE=pericardial effusion



**THE OHIO STATE UNIVERSITY**

VETERINARY MEDICAL CENTER

601 Vernon L. Tharp Street  
Columbus, OH 43210-1089

## PATIENT DISCHARGE SUMMARY

**OSU Case Number:** 000450454  
**Client:** Teresa/Edwin Sweeney  
**Patient:** Sarajen Frangelica  
**Referring Veterinarian:** Not Found  
**Date Admitted:** 9/18/2015 **Date Discharged:** 9/18/2015  
**Patient Status:** Released  
**Clinician:** John Bonagura DVM, DACVIM

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**Pharmacy** 614-292-1010  
**Business Office** 614-292-1360

[www.vet.osu.edu/vmc](http://www.vet.osu.edu/vmc)

Jessica Christine

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