

601 Vernon Tharp Street Columbus, OH 43210 Phone: (614) 292-3551 Fax: (614) 292-2053	ECHOCARDIOGRAPHY REPORT - CARDIOLOGY & INTERVENTIONAL MEDICINE SERVICE THE OHIO STATE UNIVERSITY VETERINARY MEDICAL CENTER John Bonagura, DVM, DACVIM Karsten Schober, DVM, DECVIM Jaylyn Rhinehart, DVM, DACVIM Michelle Rohrbaugh, DVM Samantha Kochie, DVM Alicia Byrd, RVT Olivia Stepp, RVT
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<u>Patient Number:</u> 000 482589	<u>Species:</u> FEL	<u>Sex:</u> Female
<u>Patient Name:</u> Sweeney, Highlander Faith	<u>Breed:</u> Maine Coon	<u>Weight (kg):</u> 5.3 kg
<u>Date of study:</u> 09/04/2018	<u>Age:</u> 1	<u>BSA:</u> 0.30 m ²
<u>Diagnosing Cardiologist:</u> JDB	<u>Birthdate:</u> 08/25/2017	<u>Systolic BP:</u>

Diagnosis & Recommendations

Normal echocardiogram
 No evidence of congenital heart disease
 No evidence of hypertrophic cardiomyopathy

 (JDB)+WNL

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

No lesions are evident
 The chamber sizes are normal for a cat of this breed and age
 Normal ventricular function

<u>2D Measurements</u>		<u>M-Mode</u>	<u>Doppler Measurements</u>
LA Diam	16.6 m m	IVSd	5.0 m m
LAs / LVIDd (2D LAX / MM)	1.1 (0.9 - 1.1)	LVIDd	15.6 m m
IVSd-max-Laxis	4.5 m m	LVPWd	5.1 m m
IVSd-max-Sax	4.2 m m	IVSs	7.7 m m
LVPWd-max-Laxis	4.6 m m	LVIDs	9.3 m m
LVPWd-max-Saxis	4.8 m m	LVPWs	7.6 m m
		EDV(Teich)	6.8 ml
		ESV(Teich)	1.7 ml
		EF(Teich)	74.9 % (> 48.0)
		%FS	40.5 % (> 25.0)
		SV(Teich)	5.07 ml
		LVPWd/LVIDd	0.32
		Weight (kg)	5.300
		LVPWd	5.1 m m

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; LA=left atrium; LV=left ventricle; RA=right atrium; RV=right ventricle; PA=pulmonary artery
PHT=pulmonary hypertension; PR (or PI) = pulmonary regurgitation (insufficiency); AV = aortic valve; AR=aortic regurgitation; MV=mitral valve
AMV=anterior mitral leaflet; PMV=posterior mitral leaflet; MR=mitral regurgitation; TV=tricuspid valve; TR=tricuspid regurgitation