

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
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Patient Number: 000 **472706**
Patient Name: **Csomay, Cthulu**
Date of study: **11/20/2017**
Diagnosing Cardiologist: **JAD**

Species: **FEL**
Breed: **Maine Coon**
Age: **0**
Birthdate: **01/01/2017**

Sex: **Male**
Weight (kg): **6.4 kg**
BSA: **0.34 m²**
Systolic BP:

Clinical Findings

Breeding screening. No clinical signs.

No murmur heart on auscultation. HR 140bpm, regular, increased to 180bpm when excited

Echocardiographic Findings

The echocardiographic examination was conducted from both the right and left sides of the thorax. Focused 2D, M-mode and Doppler examinations were conducted with mainly subjective evaluation of cardiac morphology, size, function, and flow patterns.

A screening echocardiogram was requested and completed with mainly subjective evaluation of the heart to screen for hypertrophic cardiomyopathy and congenital heart defects.

There is no clear evidence of cardiomyopathy or serious structural heart disease based on subjective imaging or diastolic measures of the LV walls or septum.

The papillary muscles appear normal.

There is no systolic anterior motion of the MV observed.

LV ejection fraction is normal.

ECG during echo: NSR with intermittent sinus bradycardia when relaxed.

Diagnosis & Recommendations

Normal heart structure and function
 No obvious evidence of HCM or CHD

JDR

<u>2D Measurements</u>		<u>M-Mode</u>		<u>Doppler Measurements</u>	
LA Diam	15.3 mm	IVSd	5.2 mm	AV Vmax	1.10 m/s (< 2.00)
LA2D/LVIDd	0.8 (0.8 - 1.1)!	LVIDd	19.2 mm	AV maxPG	4.85 mmHg
IVSd-max-Laxis	4.5 mm	LVPWd	6.1 mm	MV E Vel	58 cm/s (60 - 110)!
IVSd-max-Sax	3.9 mm	IVSs	7.5 mm	MV DecT	66.3 m/s
LVPWd-max-Laxis	4.6 mm	LVIDs	12.2 mm	MV Dec Slope	8.79 m/s ²
LVPWd-max-Saxis	4.3 mm	LVPWs	8.6 mm	MV A Vel	46.5 cm/s
		EDV(Teich)	11.5 ml	MV E/A Ratio	1.25
		ESV(Teich)	3.5 ml	Mitral E/Ea-Lateral	8.9 (< 10.0)
		EF(Teich)	69.4% (> 48.0)	TDI-Ea-Lateral	6.5 cm/s
		%FS	36.5% (> 25.0)	TDI-Aa-Lateral	3.9 cm/s
		SV(Teich)	8.0 ml	Ea/Aa-Lateral	1.7
				LAapp Vmax	37.2 cm/s

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