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| 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 |
| | Karsten Schober, DVM, DECVIM Jaylyn Rhinehart, DVM, DACVIM Randolph Winter, DVM, DACVIM Bill Clark, DVM Emily Herrold, DVM |

Patient Number: 000 **602922**Patient Name: **Sweeney, Highlander Freebird**Date of study: **06/03/2021**Diagnosing Cardiologist: **JR**Species: **Feline**Breed: **Maine Coon**Age: **11 months**Birthdate: **07/03/2020**Sex: **Female**Weight (kg): **4.5 kg (9.9 lbs)**BSA: **0.27 m²**

Systolic BP:

Clinical Findings

Breeding echo. Clinically normal.

No murmurs, arrhythmias, or gallops heard today.

No sedation given for echo.

Echocardiographic Findings

The echocardiographic examination was conducted from both the right and left sides of the thorax. A screening echocardiogram was requested and completed with subjective and objective evaluation of the heart to screen for hypertrophic cardiomyopathy and congenital heart disease.

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.

There is trace tricuspid regurgitation, with a normal appearing tricuspid valve.

ECG during echo: sinus tachycardia

Diagnosis & Recommendations

Normal heart structure and function

No evidence of congenital heart disease

No evidence of cardiomyopathy at this time

Recommend recheck in 1 year for screening for development of HCM.

JDR

| 2D Measurements | | M-Mode | | Doppler Measurements | |
|-----------------|----------|--------------|----------|----------------------|-----------|
| LAD Max Cat | 15.0 m m | IVSd | 3.7 m m | EA Fused | 0.79 m/s |
| LADN Max Cat | 1.15 | LVIDd | 20.8 m m | E' | 11.1 cm/s |
| LVPWd LX Cat | 4.40 m m | LVPWd | 4.3 m m | A' | 6.8 cm/s |
| LVPWdN LX Cat | 0.29 | IVSs | 6.3 m m | E'/A' | 1.6 |
| LVPWd SX Cat | 4.36 m m | LVIDs | 11.2 m m | LAapp Vmax | 0.48 m/s |
| LVPWdN SX Cat | 0.32 | LVPWs | 6.8 m m | AV Vmax | 0.85 m/s |
| IVSd LX Cat | 4.22 m m | %FS | 46.27 % | AV maxPG | 2.90 mmHg |
| IVSdN LX Cat | 0.32 | LVIDdN_EPIC | 1.34 | PV Vmax | 0.96 m/s |
| IVSd SX Cat | 4.19 m m | Mmode | | PV maxPG | 3.66 mmHg |
| IVSdN SX Cat | 0.33 | LVIDdN_Mmode | 1.33 | | |
| | | dog | | | |
| | | LVIDsN_EPIC | | | |
| | | Mmode | 0.70 | | |
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Echocardiogram Reported by: Dr. Jaylyn Rhinehart, DVM, MS, DACVIM _____