

## PATIENT DISCHARGE SUMMARY

**OSU Case Number:** 000448315  
**Client:** Teresa/Edwin Sweeney  
**Patient:** Highlander Ave Marie  
**Referring Veterinarian:** Tod Beckett Fax: (614) 766-2470  
**Date Admitted:** 7/1/2016 **Date Discharged:** 7/1/2016  
**Patient Status:** Released  
**Clinician:** John Bonagura DVM, DACVIM

Pet Animals 614-292-3551  
Pharmacy 614-292-1010  
Business Office 614-292-1360

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**Final Diagnosis:** Structurally normal heart  
No evidence of congenital heart disease  
No evidence of hypertrophic cardiomyopathy  
Functional “innocent” intermittent heart murmur

**History and Clinical Problems:** Ave Marie is a 2 year old female Maine Coon cat that presented for evaluation for overt cardiac disease and certification. Ave Marie is healthy, up to date on vaccinations, and currently has no clinical signs of disease. She is also currently 21 days pregnant.

**Diagnostic Procedures and Physical Findings: Physical Exam:**

Wt: 6 kg T: not completed P: 200 bpm R: 80 bpm  
Mucous membranes: pink & moist CRT: <2s  
Mild gingivitis noted

### Screening examination of the heart

Cardiac auscultation and echocardiography by a board-certified cardiologist  
2D and M-mode echocardiography  
Doppler studies were performed only when a significant heart murmur was identified

### Auscultation:

A grade I - II / VI intermittent systolic murmur was noted with a point of max intensity in the cranial right sternal border. Heart rhythm was a normal sinus rhythm.

### Echocardiography:

A screening echocardiogram was performed  
This examination emphasized cardiac chamber size, wall thicknesses, and heart function  
2D echocardiographic imaging was within limits of normal -  
There was no evidence of congenital heart malformation or of hypertrophic cardiomyopathy  
Ventricular systolic function was normal  
Doppler studies showed very mild, functional tricuspid valve regurgitation that persisted for less than 50% of systole (this valve often “leaks” normally).

### Recommendations and Instructions:

 No therapy

**Prognosis:** This screening examination did not reveal any evidence of congenial or acquired heart disease. Some disorders, such as hypertrophic cardiomyopathy (HCM) are classified as adult-onset, genetic heart diseases. These may develop later in life and for this reason the examination findings should be interpreted as “normal for this time frame”.

Cats used for recurrent breeding should be re-evaluated at regular intervals (e.g., yearly) since HCM can develop later in life, even after a normal screening examination.

The murmur is likely functional (innocent); it is possible it is related to changes in blood volume

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and flow associated with pregnancy

**Next Appointment:** If breeding is continued a reevaluation echocardiogram should be scheduled in approximately one year. You can discuss this with the cardiologist if you have any questions.

Thank you. We appreciate your patronage. Your support of our programs is important. Please do not hesitate to contact us if you have any questions about our evaluation or instructions.

Kaitlyn Lemon

John Bonagura, DVM, DACVIM