



## Medical Note

**Patient:** At Last Cats Nikki **Date:** June 12, 2019  
**Signalment:** 3 years 6.42 kg Female Unaltered Maine Coon Cat  
**Owner:** Marie Harriman  
**Referring Veterinarian:**

### CARDIOLOGY EXAMINATION

#### HISTORY:

Presenting for a recheck echocardiogram for continued monitoring for HCM. Since the last examination, Nikki has been doing well with no adverse clinical signs. She is seven weeks pregnant. Previously tested negative for the MYBPC3 mutation.

#### MEDICATIONS:

None

#### PREVIOUS ECHO FINDINGS:

Date:	IVSd (cm)	LVIDd (cm)	LVFWd (cm)	FS (%)	LA (cm)	Ao (cm)	LA/Ao
06/12/17	0.40	1.48	0.41	43.2	1.16	0.89	1.30
05/24/18	0.44	1.58	0.40	53.8	1.20	0.90	1.33

#### PHYSICAL EXAMINATION:

Subjective: BAR, Adequate hydration, BCS 5/9

Mucous Membranes: Pink, CRT < 2 sec

Chest Conformation: Normal

Heart rate: 192/minute. Rhythm: Regular PMI: left apex

Murmur(s): No murmur ausculted

Pulmonary Auscultation: Clear, eupneic

Femoral Pulse Quality: Moderate and Synchronous

Other Comments: No other significant findings

#### EXAMINATION

##### 2D DESCRIPTION

#### ECHOCARDIOGRAM:

The left atrium is normal in size with no spontaneous echocontrast or thrombi. The mitral valve leaflets are normal with no systolic anterior motion or prolapse. The left ventricle is normal with normal wall thicknesses and systolic wall motion. The papillary muscles are normal. The left ventricular outflow tract, aortic cusps, aortic root, and ascending aorta are normal. The right atrium and tricuspid valve leaflets are normal. The right ventricle is normal with no septal flattening. The right ventricular free wall is normal in thickness and systolic motion. The pulmonic cusps, main pulmonary artery, and pulmonary artery branches are normal. No masses or effusions are noted. The cardiac rhythm was regular throughout the echocardiographic evaluation.

#### M-MODE MEASUREMENTS

IVSd (cm)	0.42
LVIDd (cm)	1.62
LVFWd (cm)	0.40
IVSs (cm)	0.79

LVIDs (cm)	0.76
LVFWs (cm)	0.79
Fractional Shortening (%)	53.1
LA mmode (cm)	1.22
Ao mmode (cm)	0.91
LA/Ao M-mode	1.34
DOPPLER FINDINGS	:
LVOT (m/sec)	1.77, laminar
RVOT (m/sec)	1.22, laminar
Mitral Regurgitation	None noted
Tricuspid Regurgitation	None noted
Aortic Insufficiency	None noted
Pulmonic Insufficiency	None noted
Other	No atrial septal defect, ventricular septal defect, patent ductus arteriosus, or other congenital abnormalities noted
DIASTOLIC FINDINGS	Due to tachycardia related E/A and E'/A' wave summations, mitral inflow and mitral annular tissue Doppler assessments could not be evaluated.
IVRT (ms)	48
ECHO DIAGNOSIS	Normal echocardiographic examination

VITALS	WT	T	HR	RR	CRT	OTHER	COMMENT
Jun 12, 2019	6.42 kg						

**FINAL DIAGNOSIS:**  
Normal echocardiographic examination; breeding clearance granted

**DIAGNOSTIC RECOMMENDATIONS:**  
No additional cardiac diagnostics are indicated at this time

**THERAPEUTIC RECOMMENDATIONS:**  
No cardiac medications are currently recommended

**FOLLOW-UP SCHEDULE:**  
Echocardiogram in one to two years

Exam performed by: Adam M. Kane, DVM, DACVIM (Cardiology)

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