



### PATIENT

Mochi MacNuaght

### SPECIES

Feline

### BREED

DSH

### SEX

Male Neutered

### AGE

3 years

### WEIGHT

12.2lbs

### INTERPRETED BY

Maggie Machen Lamy,  
 DVM DACVIM  
 (Cardiology)

### IMAGING PERFORMED BY

Kelly Reschny, RVT

### HOSPITAL NAME

Headon Forest  
 Animal Hospital

### REFERRING VET

Dr. Van Monsjou

### INVOICE

31411

### DATE

6/19/23

### PRESENTING CLINICAL SIGNS

History: Recheck echo. Tachycardic on exam.  
 -Current medications: Atenolol 6.25mg 1 BID.  
 -Pertinent previous echo findings (12/2022 MML): Mild to moderate LVH (0.74/0.64cm), LVOTO with moderate MR, no LAE.

### ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is mild to moderately hypertrophied. There is a mildly hyperechoic endocardium. The endocardium also appears mildly remodeled. The MV appears normal. A dynamic LVOTO is identified on color flow imaging with mild eccentric MR. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. Blood flow through the RVOT is normal in velocity. No obvious TR. There is no pleural or pericardial effusion seen. There are no obvious cardiac tumors.

### CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LVWd (cm) (Moise, Pipers)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	5.5	220	0.65	1.3	0.66	45	80
FELINE CARDIAC PARAMETERS	LA/AO (Boon)	LA/AO HEART BASE (Swe) (Abbott)	LA 2D short axis Base view (cm) (Abbott)		LVOT VEL (m/s)	RVOT VEL (m/s)	E max (m/s)
NORMAL	<1.5	<1.3	<1.2		<1.6	<1.3	<0.9
PATIENT	1.4	1.2	1.1		3.3	1.2	NM
<p><i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>                      Adapted from June Boon, Veterinary Echocardiography, 1998                      Abbott J &amp; MacLean H JVIM 2006;20: 111-119, Moise et al. Am J Vet Res 47:1476, 1986. Pipers et al. Am J Vet Res 40:882, 1979.</p>							

### INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Compared to the prior study, findings are similar. The LV wall dimensions are stable to slightly improved and the LA remains normal. The **LVOTO persists and the reported heart rate is 220bpm. If this is a persistent finding, a dose titration may be necessary.** No additional issues are identified.

Given these findings, continue Atenolol as previously recommended.

Monitor at home for any respiratory signs or blood clot events (neurologic change, paralysis, etc.) in the future.



**PATIENT**

Mochi MacNuaght

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

3 years

**WEIGHT**

12.2lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

**IMAGING  
PERFORMED BY**

Kelly Reschny, RVT

**HOSPITAL NAME**

Headon Forest  
Animal Hospital

**REFERRING VET**

Dr. Van Monsjou

**INVOICE**

31411

**DATE**

6/19/23

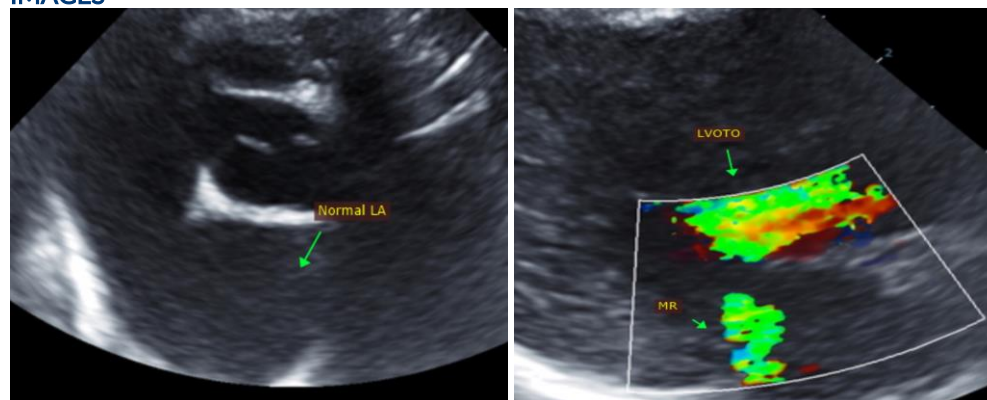
Anesthetic risk is considered mild, however judicious IV fluid rates are advised to avoid fluid overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (glycopyrrolate, atropine). Avoid vasodilators as this may worsen the obstruction. A reasonable protocol includes opioid/benzodiazepine premedication, propofol induction, and isoflurane maintenance.

**PLAN**

Continue Atenolol as prescribed. If the heart rate is persistently >160bpm, a dose titration may be warranted. Monitor BP/T4 every 6 months.

Recommend recheck echocardiogram in 6 months to assess for progression, sooner if clinical issues arise.

**IMAGES**



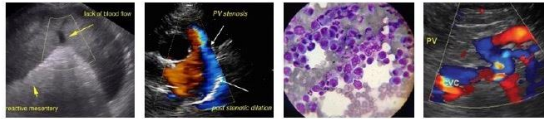
The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

Maggie Machen Lamy, DVM

Diplomate of the American College of Veterinary Internal Medicine (Cardiology)

info@sonopath.com



**PATIENT**

Mochi MacNuaght

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Male Neutered

**AGE**

3 years

**WEIGHT**

12.2lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

**IMAGING  
PERFORMED BY**

Kelly Reschny, RVT

**HOSPITAL NAME**

Headon Forest  
Animal Hospital

**REFERRING VET**

Dr. Van Monsjou

**INVOICE**

31411

**DATE**

6/19/23