



**PATIENT**  
Snowball Knight

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. History HOCM- severe LVOT obstruction resolved with Atenolol with improved LV dimensions. Other history: chronic kidney disease. Currently doing well. BP: 145mmHg.

**SPECIES**  
Feline

-Current medication: Atenolol 12.5mg BID; LRS 60ml, SQ EOD; K/O diet, Vit B12 SQ 0.25ml once weekly.  
-Pertinent previous echo findings (9/18/20 MML) LA 0.9 cm; LA:Ao 1.0 cm; IVS 0.35 cm; PW 0.35 cm; Normal LA size. Sedated with gabapentin.

**BREED**  
DSH

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and Doppler imaging is available.

**SEX**

Female Spayed

**Left ventricle:** The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are largely normal. There is a diffusely hyperechoic endocardium consistent with fibrosis. The endocardium appears mildly remodeled. The papillary muscles are mildly remodeled and hyperechoic.

**AGE**

15 years

**Left atrium:** The left atrium is normal in dimension. No obvious spontaneous contrast or thrombi seen.

**Mitral valve:** The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen.

**Aortic valve/aorta:** The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

**WEIGHT**

5.94lbs

**Right ventricle:** Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

**Right atrium:** The right atrium is normal in dimension.

**Tricuspid valve:** The tricuspid valve appears normal with trace tricuspid regurgitation.

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**Pulmonic valve/pulmonary artery:** The pulmonic valve is normal in morphology and mobility. Trace pulmonic insufficiency. Normal RVOT velocity; laminar flow.

**Pericardium/other:** No pericardial or pleural effusion noted. No obvious cardiac masses.

**Heart rhythm:** ECG reveals a sinus rhythm with an average HR of 120bpm.

**2-Dimensional Measurements**

Ao diam (cm)	0.84
LA diam (cm)	1.1
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.41
LVID diastole (cm)	1.2
PW thickness (cm)	0.40
LVID systole (cm)	0.4
FS (%)	68

**Doppler Measurements**

PV Vmax (m/s)	0.5
AoV Vmax (m/s)	0.8
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDCS

**HOSPITAL NAME**

Associates Animal  
Hospital

**REFERRING VET**

Dr. Rosiello

**INTERPRETATION OF THE FINDINGS**

Overtly normal cardiac structure and function persists with low risk for complication. Continue atenolol lifelong as prescribed.

**INVOICE**

21683

**RECOMMENDATIONS**

- Continue Atenolol as prescribed.
- Anesthetic risk is considered mild. With this degree of remodeling and diastolic stiffening, there is an elevated risk for fluid overload in this patient and judicious IV fluid use is recommended. Heart rate stimulating drugs such as atropine,

**DATE**

10/22/21



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glycopyrrolate or ketamine should be avoided unless medically necessary. Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

**SPECIES**  
 Feline

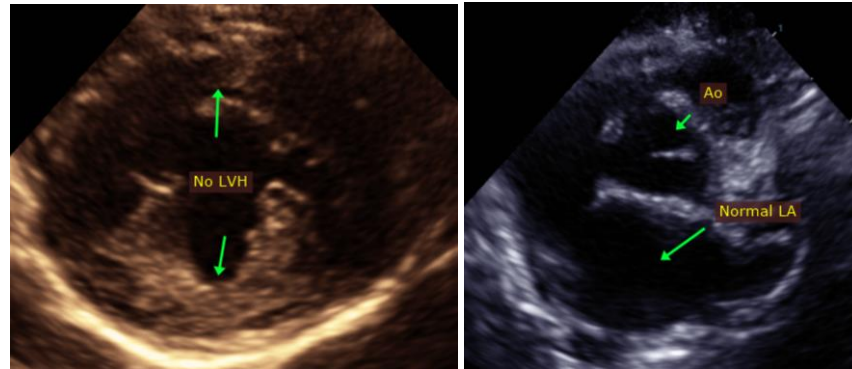
**PLAN**  
 Recommend recheck echocardiogram in 1 year to assess for progression.

**BREED**  
 DSH

**SEX**  
 Female Spayed

**AGE**  
 15 years

**IMAGES**



**WEIGHT**  
 5.94lbs

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.

**INTERPRETED BY**  
 Maggie Machen  
 Lamy, DVM  
 DACVIM (Cardiology)

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**  
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**IMAGING PERFORMED BY**  
 Pamela Harrigan,  
 RDCS

**HOSPITAL NAME**  
 Associates Animal  
 Hospital

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 Dr. Rosiello

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**DATE**  
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