


**PATIENT**

Kissess Irene

**PRESENTING CLINICAL SIGNS**

History: Grade 2/6 heart murmur.

**SPECIES**

Feline

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. There is a mildly hyperechoic irregular endocardium consistent with fibrosis and remodeling. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. No TR. Blood flow through the RVOT is normal. SAM is suspected on color flow and 2D imaging (not captured on spectral doppler). Mild eccentric mitral regurgitation. No AI. No PI. There is no pleural or pericardial effusion seen. There are no obvious cardiac tumors

**BREED**

DSH

**SEX**

Female Spayed

**CARDIAC CHART**
**AGE**

1 year

**WEIGHT**

8.6lbs

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM, DACVIM  
 (Cardiology)

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) (Moise, Pipers)	LVIDd (cm) (Moise, Pipers)	LWVd (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	3.9	220	0.49	1.2	0.47	70	97
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	1.2	1.1	0.9		1.1	0.8	NM

\*Note: All measurements based upon multi-modal images and methods. An average value is reported.

Adapted from June Boon, Veterinary Echocardiography, 1998

Abbott J & 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.

**IMAGING PERFORMED BY**

Jessica Miller

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Essentially normal cardiac structure and function. The only potential cause of a murmur identified is a suspect dynamic LVOT obstruction. Given a lack of LV hypertrophy, this is likely intermittent and relatively benign; however, follow up is advised. No additional issues are identified.

**HOSPITAL NAME**

Basking Ridge Animal Hospital

In this patient with a mild obstruction and a normal left atrial dimension/no LVH, no medications are clearly indicated.

**REFERRING VET**

Dr. Rotella

Anesthetic risk is currently low. Avoid heart rate stimulating drugs (atropine, glycopyrrolate) unless clinically necessary. Avoid vasodilators such as acepromazine as this can worsen obstruction. Judicious IV fluid rates are recommended to avoid fluid overload in this patient with diastolic dysfunction.

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A recheck echocardiogram is recommended in 12 months, sooner if any clinical signs arise.

**DATE**

6/13/23



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**HOSPITAL NAME**

Basking Ridge Animal  
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**REFERRING VET**

Dr. Rotella

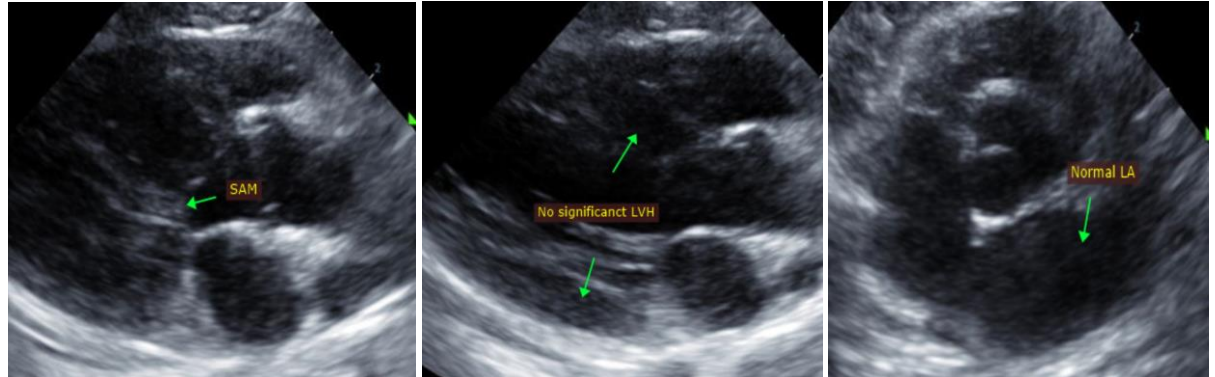
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**IMAGES**



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  
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