



## PATIENT

BB Julian

## SPECIES

Feline

## BREED

DMH

## SEX

Male Neutered

## AGE

2 years

## WEIGHT

8.8lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Dana Alterman,  
RDMS, LVT

## HOSPITAL NAME

Eubank Animal Clinic

## REFERRING VET

Dr. Lloyd

## INVOICE

23555

## DATE

4/11/22

## PRESENTING CLINICAL SIGNS

History: Recheck echo. Persistent grade 4/6 parasternal murmur.

-Pertinent previous echo findings (9/2021 MML): No LVH, intermittent LVOTO, no LAE. AV max: 1.9, LV: 0.45/0.46, LA: 1.0.

## ELECTROCARDIOGRAPHIC FINDINGS \*Note: Single lead ECGs are evaluated as a rhythm strip. Morphology/MEA cannot be definitively commented on.

A single lead ECG is available; 50mm/s, 10mm/mV. The average heart rate is 200bpm (range is 170-230bpm). Motion artifact throughout and low voltage complexes impedes detailed evaluation; however, no obvious abnormalities are identified. ECG diagnosis: Normal sinus tachycardia.

## ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. The left ventricular wall is normal in dimension. The endocardium appears mildly remodeled. The papillary muscles are normal. The left atrium is normal in size. The right atrium is normal in size. The right ventricle appears normal. The mitral valve is normal in structure and mobility. No obvious valve regurgitation. Blood flow through both the LVOT and RVOT is normal in velocity; however, an intermittent LVOTO is suspected on spectral doppler. No pleural or pericardial effusion seen. No obvious cardiac tumors.

## CARDIAC CHART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm) <small>(Moise, Pipers)</small>	LVIDd (cm) <small>(Moise, Pipers)</small>	LVWd (cm) <small>(Moise, Pipers)</small>	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.35-0.55	<2 (mean 1.5)	3.5-0.55	35-67	80-100
PATIENT	4.0	NM	0.43	1.25	0.46	58	94
FELINE CARDIAC PARAMETERS	LA/AO <small>(Boon)</small>	LA/AO HEART BASE (Swe) <small>(Abbott)</small>	LA 2D short axis Base view (cm) <small>(Abbott)</small>	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	NM	1.1	1.2	1.8	NM	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

Stable largely normal cardiac structure and function. The intermittent LVOTO remains mild with no significant LVH or LAE developing. No additional issues identified. The ECG is unremarkable with a normal sinus rhythm.

Given these findings, no medications are indicated.

No cardiac contraindication for general anesthesia.



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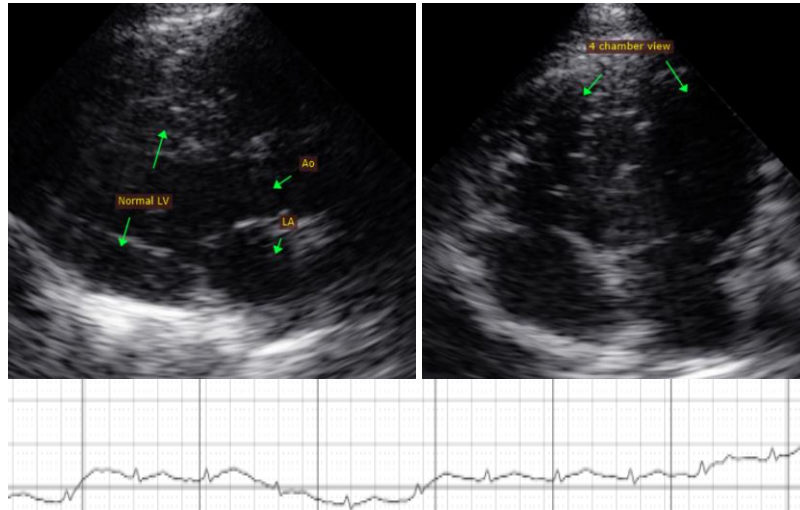
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Recommend recheck echocardiogram annually, sooner if clinical signs arise.

**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