



## PATIENT

Moe Mathias

## SPECIES

Feline

## BREED

DSH

## SEX

Neutered Male

## AGE

2 Years

## WEIGHT

4.1 kg

## INTERPRETED BY

Sara Brethel, DVM,  
DACVIM (Cardiology)

## IMAGING PERFORMED BY

Dr. Cassie Jackson

## HOSPITAL NAME

Huntsville AH

## REFERRING VET

Dr. Cassie Jackson

## INVOICE

36348

## DATE

3/23/26

## PRESENTING CLINICAL SIGNS

- Presented for annual exam Aug 2025 and grade 2/6 systolic murmur audible on the L side; rechecked 3 months later and heart murmur persisted - at echo today murmur grade 3/6 systolic L side, not audible on R
- No C/S at home - indoors only, owner has no health concerns

## ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
<b>NORMAL PARAMETER</b>	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
<b>PATIENT</b>	4.1	NM	0.44	1.5	0.43	53.33	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL. (m/s)	RVOT VEL. (m/s)	IVRT (m/)
<b>NORMAL PARAMETER</b>	<1.5	1.6	0.7-1.7		<1.6	<1.3	40-60
<b>PATIENT</b>	NM	1.3	1.4		Underest	0.6	NM
Adapted from June Boon, Veterinary Echocardiography, 1998 Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

LVIDs: 0.7

## Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. The left atrial size is normal. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. Left ventricular systolic and diastolic function is within normal limits. There is no evidence of left ventricular concentric hypertrophy. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on the images provided. The right ventricle appears normal in structure and function subjectively. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

## ULTRASONOGRAPHIC FINDINGS

- Structurally normal heart

## INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS



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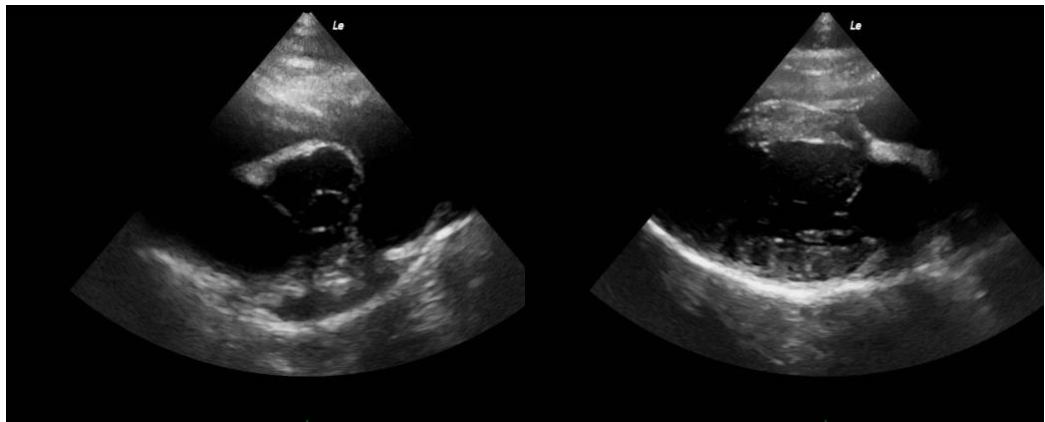
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The heart is structurally normal. The murmur is likely innocent and a cause if not identified based on the images provided. Given that the patient has a murmur, options include assessing a proBNP in 10-12 months. If the proBNP becomes elevated, then a recheck echo would be indicated. Alternatively, a recheck echo can be performed in 10-12 months.



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

Thank you for this referral. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance please contact me.

Sara Brethel DVM, DACVIM (Cardiology)

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