

**PATIENT**

TomLeroy Walker

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

11 Years 8 Months

**WEIGHT**

10.3 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
 DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Kathleen Byrnes

**HOSPITAL NAME**

Animal Clinic Madison  
 Mayodan

**REFERRING VET**

Dr. Kinlay

**INVOICE**

35152

**DATE**

12/30/25

**PRESENTING CLINICAL SIGNS**

History: P presented for echo due to new murmur ProBNP normal BP 130 average systolic

**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>            | 4.68             | NM                        | 0.5                  | 1.4        | 0.5             | --              | --        |
| 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>            | 1.38             | 1.0                       | --                   |            | 1.22            | 0.92            | 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

**Cardiac Presentation**

The mitral valve leaflets are normal and there is trivial 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 with trivial 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**

- Normal measurements with trivial mitral and tricuspid regurgitation

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient's heart measures within normal limits. There is evidence of trivial mitral and tricuspid regurgitation. This may be contributing to the murmur. An outflow tract obstruction is not identified. The regurgitation could be physiologic; however, early onset of disease cannot be entirely ruled out.



**PATIENT**

TomLeroy Walker

**SPECIES**

Feline

**BREED**

DSH

**SEX**

Neutered Male

**AGE**

11 Years 8 Months

**WEIGHT**

10.3 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Kathleen Byrnes

**HOSPITAL NAME**

Animal Clinic Madison  
Mayodan

**REFERRING VET**

Dr. Kinlay

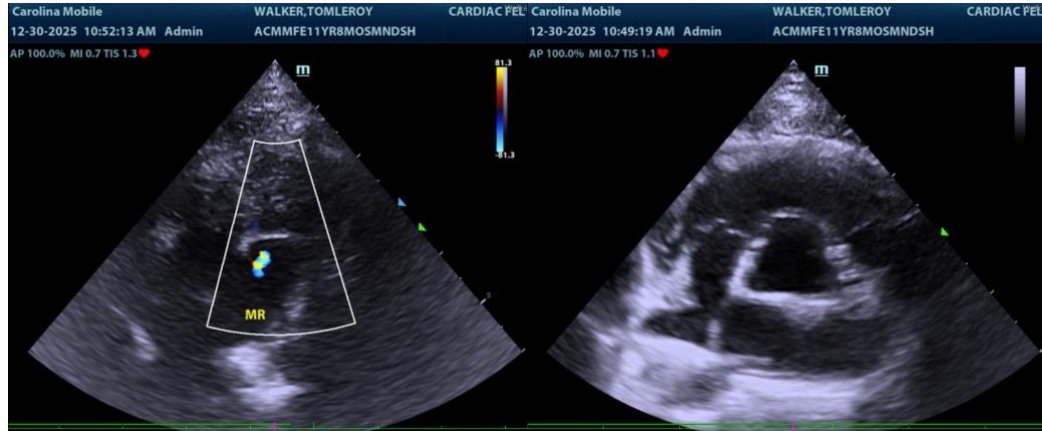
**INVOICE**

35152

**DATE**

12/30/25

Recommend a recheck echo in 6 months to monitor for any further progression, sooner if the patient is developing cardiovascular clinical signs or the murmur is worsening intensity.



**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)

[info@SonoPath.com](mailto:info@SonoPath.com)