



**PRESENTING CLINICAL SIGNS**

History: Grade 2-3/6 left-sided holosystolic murmur.

**DATE**

6/29/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Dr. Brian Barnes

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

There is mild left atrial dilation. The mitral valve leaflets are mildly thickened and exhibit mild systolic prolapse. A mild to moderate jet of eccentric mitral regurgitation is present. There is mild left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta, as well as trace aortic insufficiency. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve appear normal, though trivial pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus arrhythmia

**PATIENT**

Missy Carriere

LA - 24.1 mm  
LVIDd - 24.2 mm  
LVIDs - 11.0 mm  
FS - 54.5%  
RA - 17.1 mm  
LVOT - 2.23 m/s  
RVOT - 1.20 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**BREED**

Yorkie

This examination demonstrates mild to moderate regurgitation of blood across Missy's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Missy has mild dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. As only mild left heart chamber dilation is present, Missy's current risk for the development of clinical signs secondary to her disease, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be relatively low, though careful monitoring for these signs is recommended going forward.

**SEX**

FS

I recommend starting Missy on pimobendan (1.25 mg am, 0.625 mg pm), as this medication should help to slow the progression of her mitral valve disease.

**AGE**

8 y

A recheck echocardiogram is recommended in 9 months. Thoracic radiographs are recommended if Missy experiences respiratory clinical signs.

**WEIGHT**

3.1 kg

**HOSPITAL NAME**

Westview VH

**REFERRING VET**

Dr. Barnes



DATE

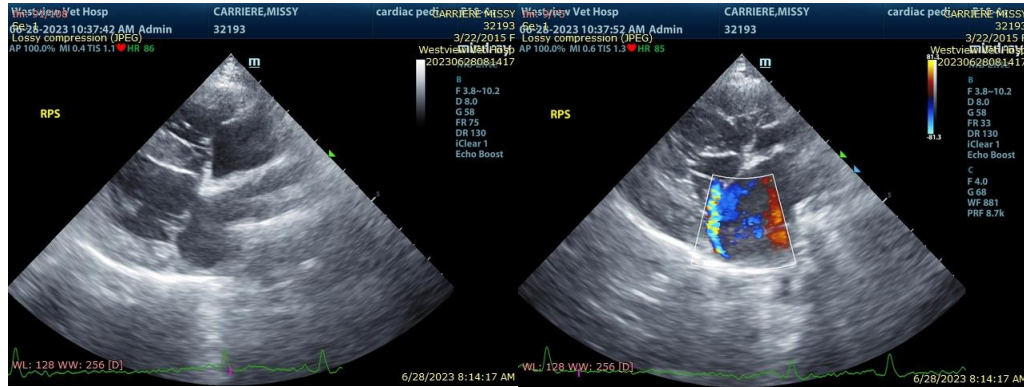
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Missy Carriere

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.

SPECIES

Canine

Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com  
631-804-5754

BREED

Yorkie

SEX

FS

AGE

8 y

WEIGHT

3.1 kg

HOSPITAL NAME

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