



	<b>PRESENTING CLINICAL SIGNS</b>
<b>DATE</b>	History: Coughing, not eating.
<b>7/27/23</b>	<b>ECHOCARDIOGRAPHIC FINDINGS</b>
	2D, M-mode, and Doppler study.
<b>PERFORMED BY:</b>	There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A mild to moderate jet of mitral regurgitation is present. There is mild left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity is consistent with the presence of severe pulmonary hypertension (PG 107 mmHg). The pulmonic valve is normal. There is mild dilation of the main pulmonary artery. No heartworms are visualized. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.
Lara Wiseman	
<b>INTERPRETED BY</b>	There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A mild to moderate jet of mitral regurgitation is present. There is mild left ventricular dilation. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity is consistent with the presence of severe pulmonary hypertension (PG 107 mmHg). The pulmonic valve is normal. There is mild dilation of the main pulmonary artery. No heartworms are visualized. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.
Keith Blass, DVM, MS, DACVIM (Cardiology)	
<b>PATIENT</b>	LA - 27.5 mm
	LVIDd - 26.7 mm
	LVIDs - 10.0 mm
	FS - 62.5%
	RA - 16.8 mm
Gypsy Martinez	LVOT - 1.37 m/s
	RVOT - 1.62 m/s
	TR - 5.17 m/s
<b>SPECIES</b>	<b>ASSESSMENT/RECOMMENDATIONS</b>
Canine	Degenerative mitral and tricuspid valve disease
	Pulmonary hypertension
<b>BREED</b>	This examination demonstrates regurgitation of blood across Gypsy's mitral and tricuspid valves resulting from degenerative valve disease. Gypsy has mild to moderate mitral regurgitation present, with mild secondary 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, Gypsy's mitral valve disease does not appear to be contributing to her cough, and her current risk for the development of left-sided congestive heart failure is only mildly increased. Gypsy's tricuspid valve disease is milder, however, her tricuspid regurgitation velocity is consistent with the presence of severe pulmonary hypertension. Gypsy's pulmonary hypertension may be contributing to her cough, though evaluation for an underlying cause of the pulmonary hypertension, such as respiratory disease, is recommended. Gypsy's pulmonary hypertension also puts her at high risk for the development of exercise intolerance, syncope, shortness of breath, and right-sided congestive heart failure, therefore, careful monitoring for these is recommended. Whether Gypsy's inappetence is secondary to her pulmonary hypertension is unclear, though possible.
Chihuahua	
<b>SEX</b>	
FS	
<b>AGE</b>	Thoracic radiographs are recommended to further evaluate Gypsy's cough.
13 y	
<b>WEIGHT</b>	Recommended therapy based on this exam includes pimobendan (1.25 mg BID) and sildenafil (10 mg TID).
11.2 lb	
<b>HOSPITAL NAME</b>	A focused recheck echocardiogram is recommended in 1 month to reevaluate the severity of Gypsy's pulmonary hypertension in response to therapy.
Mobile Veterinary Imaging	
<b>REFERRING VET</b>	
All Paws	



DATE

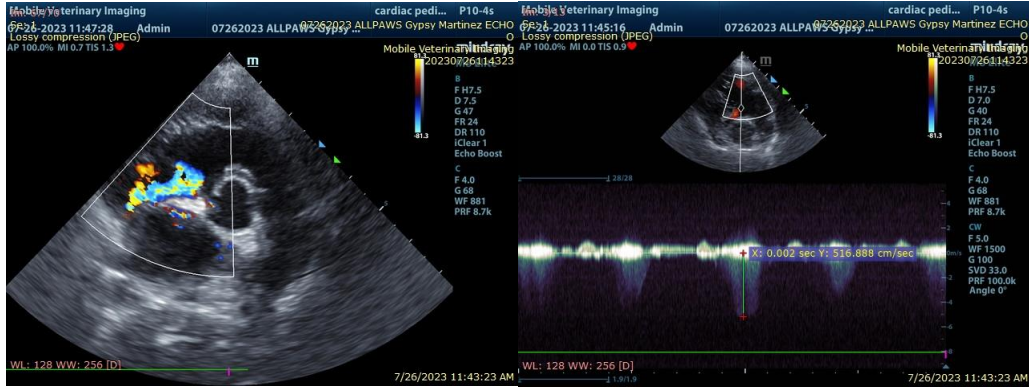
7/27/23

PERFORMED BY:

Lara Wiseman

INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)



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

Gypsy Martinez

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

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631-804-5754

BREED

Chihuahua

SEX

FS

AGE

13 y

WEIGHT

11.2 lb

HOSPITAL NAME

Mobile Veterinary  
Imaging

REFERRING VET

All Paws