



**PRESENTING CLINICAL SIGNS**

History: Progressive cough. Diagnosed with B1 DMVD on 9/11/20.

**DATE**

8/11/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Dr. Paul Kim

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is mild to moderate 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 is normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

LA - 35.2 mm  
LVIDd - 31.8 mm  
LVIDs - 15.8 mm  
FS - 50.3%  
RA - 17.4 mm  
LVOT - 1.50 m/s  
RVOT - 0.89 m/s

**PATIENT**

Candy Minchala

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**BREED**

Maltese

This examination demonstrates progression of Candy's mitral valve disease over the past 2 years, as he now has moderate secondary dilation of his left atrium and mild to moderate dilation of his left ventricle. Given the presence of moderate left atrial dilation, it's possible that mainstem bronchial compression could be contributing to Candy's cough, however, thoracic radiographs are recommended to evaluate for this, as well as other possible causes of coughing. In addition to coughing, Candy is at risk for the development of exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

**SEX**

M

I recommend starting Candy on pimobendan (1.25 mg BID) and hydrocodone (1.25 mg PRN, up to every 6 hours), as the former should help to slow the progression of his mitral valve disease, while the latter should help improve his cough. If Candy's cough persists, a trial with furosemide (5 mg BID) can be considered.

**AGE**

10 y

A recheck echocardiogram is recommended in 9 months. Repeat thoracic radiographs are recommended if clinical signs compatible with congestive heart failure develop.

**WEIGHT**

9.7 lb

**HOSPITAL NAME**

Ridgefiled Park AH

**REFERRING VET**

Dr. Kim



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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

Candy Minchala

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.

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

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