



**PRESENTING CLINICAL SIGNS**

**DATE** History: Presented 2/21/23 for coughing/gagging that had gotten worse over the previous 3 weeks. New murmur auscultated with possible crackles. Radiographs showed LAE with some possible perihilar edema. Started on furosemide 4 mg BID and pimobendan 0.5 mg/kg BID, Cough has improved greatly since starting medications.

3/13/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

Dr. Meredith Swart

There is mild to 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 appear normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal. The pulmonary artery and pulmonic valve appear normal. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA - 21.3 mm  
LVIDd - 21.0 mm  
LVIDs - 10.5 mm  
FS - 50%  
LVOT - 1.26 m/s  
RVOT - 0.90 m/s

**PATIENT**

Little Man Brown

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**BREED**

Chihuahua

This examination demonstrates regurgitation of blood across Little Man's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Little Man has mild to moderate dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. Given the presence of mild to moderate left atrial dilation, it would come as no surprise if Little Man developed mild cardiogenic pulmonary edema, though it's unlikely that mainstem bronchial compression is a primary contributor to his cough.

**SEX**

MI

Given Little Man's improvement with furosemide and pimobendan, continued use is warranted, as is therapy with enalapril (1.25 mg am, 0.625 mg pm).

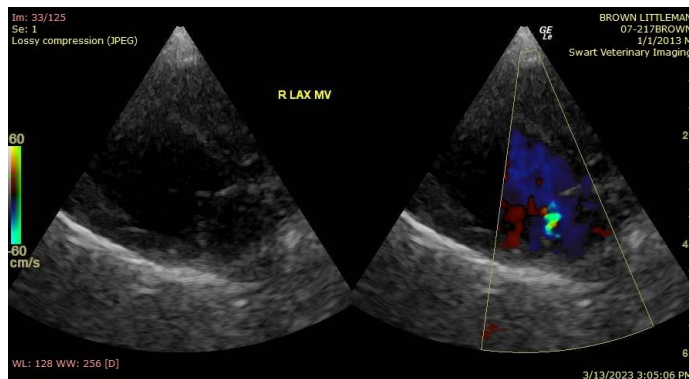
**AGE**

10 y

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 9 months. Repeat thoracic radiographs are recommended if Little Man experiences difficulty breathing.

**WEIGHT**

4.5 lb

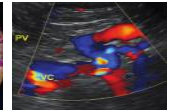
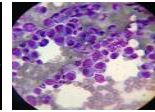
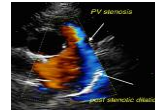


**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



**DATE**

3/13/23

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.

**PERFORMED BY**

Dr. Meredith Swart

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.

**INTERPRETED BY**

**Keith Blass, DVM, MS, DACVIM (Cardiology)**  
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Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

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Little Man Brown

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Canine

**BREED**

Chihuahua

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