


**PRESENTING CLINICAL SIGNS**

History: Coughing. BNP 2018.

**DATE**

8/14/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Sara Hansen

**INTERPRETED BY**

 Keith Blass, DVM,  
 MS, DACVIM  
 (Cardiology)

Left atrial size is normal. The mitral valve appears normal, though mild mitral regurgitation is present. The left ventricular diastolic dimension is normal. Left ventricular systolic function is mildly depressed. The aorta and aortic valve are normal. 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 are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

A tachyarrhythmia appears to be present.

**PATIENT**

Simba Harper

 LA - 45.1 mm  
 LVIDd - 39.6 mm  
 LVIDs - 30.3 mm  
 FS - 23.5%  
 RA - 38.0 mm  
 LVOT - 0.83 m/s  
 RVOT - 0.92 m/s

**SPECIES**

Canine

**BREED**

Labrador Retriever

**SEX**

MN

**AGE**

11 y

**WEIGHT**

79.3 lb

**HOSPITAL NAME**

Countryside AC

**REFERRING VET**

Dr. Cox

**ASSESSMENT/RECOMMENDATIONS**

This examination demonstrates mild depression of Simba's left ventricular systolic function, as well as a possible tachyarrhythmia, with differentials for the systolic dysfunction including dilated cardiomyopathy (DCM), a diet-associated cardiomyopathy, myocarditis, and a tachycardia-induced cardiomyopathy. As only mild systolic dysfunction is present and Simba does not have secondary dilation of any of his cardiac chambers, his current risk for the development of congestive heart failure appears to be low, and his cough does not appear to be cardiogenic in origin. Simba's risk for the development of exercise intolerance and syncope may be a bit higher, therefore, careful monitoring for these is recommended.

An ECG is recommended to evaluate for the presence of a tachyarrhythmia. Thoracic radiographs are recommended to evaluate Simba's cough.

Evaluation of Simba's diet is recommended, and a diet change would be warranted if he is receiving one that has been linked to the development of myocardial dysfunction (ex. grain-free, diets high in peas, lentils, legumes, potatoes/sweet potatoes).

Recommended therapy to help support Simba's myocardial function includes pimobendan (10 mg BID) and enalapril (20 mg am, 15 mg pm).

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 6 months.



DATE

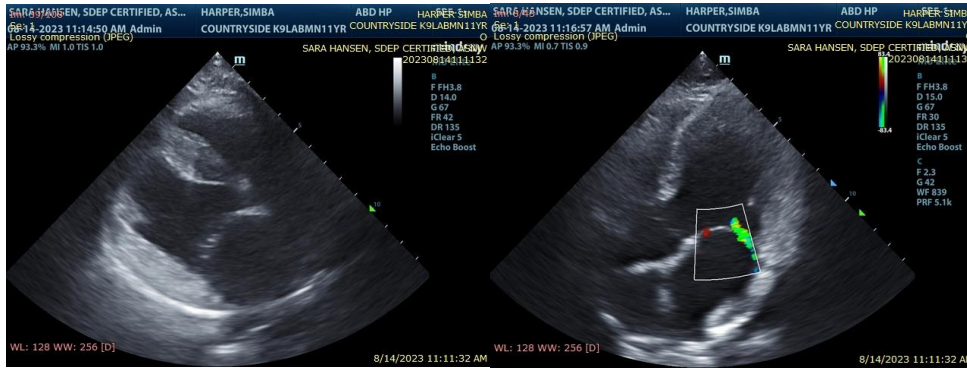
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

PATIENT

Simba Harper

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

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