
**RESENTING CLINICAL SIGNS**

**DATE** History: History of cardiac disease being treated with furosemide (12.5 mg am, 6.25 mg pm), enalapril (2.5 mg SID – discontinued on 9/17/21), and pimobendan (1.25 mg BID). Moderate cough, syncopal episodes.

9/20/21

**ECHOCARDIOGRAPHIC FINDINGS**

**PERFORMED BY:** 2D, M-mode, and Doppler study.

**Dr. Meredith Swart** There is severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is moderate to severe 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 there is Doppler evidence of tricuspid regurgitation present. TR velocity is consistent with the presence of moderate pulmonary hypertension (PG 59 mmHg). The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT** LA – 34.7 mm  
LA/Ao – 2.76  
Chico Hatchett LVIDd – 31.7 mm  
LVIDs – 13.3 mm  
FS – 58%  
**SPECIES** LVOT – 0.62 m/s  
RVOT – 0.79 m/s  
Canine TR – 3.84 m/s

**ASSESSMENT/RECOMMENDATIONS**

**BREED** Degenerative mitral and tricuspid valve disease  
Pulmonary hypertension

**Yorkie** This examination demonstrates regurgitation of blood across Chico's mitral and tricuspid valves resulting from degenerative valve disease. Chico's tricuspid valve disease appears to be mild, as he does not have secondary dilation of either of his right heart chambers. His mitral valve disease is significantly more advanced, as Chico has severe secondary dilation of his left atrium, moderate to severe dilation of his left ventricle, and moderate secondary pulmonary hypertension. Given these findings, mainstem bronchial compression is very likely contributing to Chico's cough, and his mitral valve disease and pulmonary hypertension are likely contributing to his syncopal episodes. In addition to these signs, Chico is at risk for the development of left-sided congestive heart failure, therefore, careful monitoring of his respiratory rate/effort is recommended.

**AGE** 13 y

**WEIGHT** Chico's current medications are appropriate, and I recommend restarting him on enalapril (1.25 mg BID) if the medication was previously well-tolerated. I also recommend treating Chico's pulmonary hypertension with sildenafil (5 mg BID-TID) and his cough with hydrocodone (1.25 mg PRN, up to every 6 hours).

9.4 lb A renal/electrolyte profile is recommended in 1-2 weeks if enalapril is restarted. A recheck echocardiogram is recommended in 6 months. Thoracic radiographs are recommended if clinical signs compatible with congestive heart failure develop.

**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



DATE

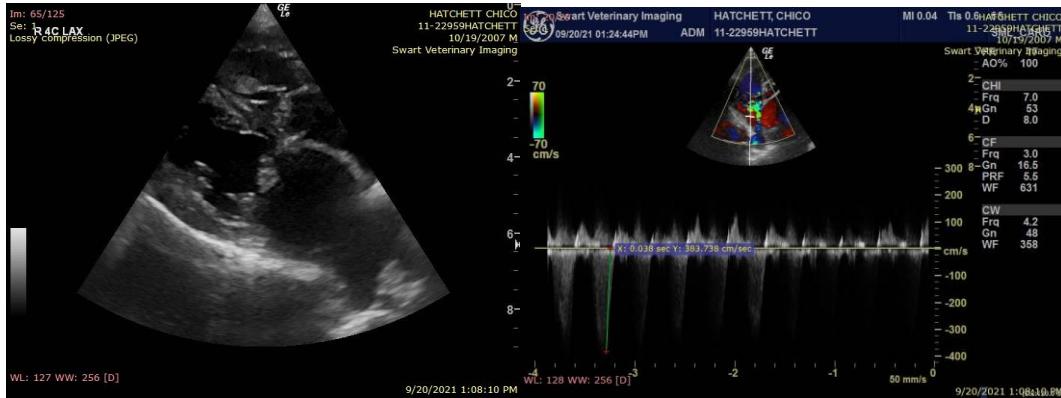
9/20/21

PERFORMED BY:

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PATIENT

Chico Hatchett

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.

SPECIES

Canine

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

BREED

Yorkie

SEX

MN

AGE

13 y

WEIGHT

9.4 lb

HOSPITAL NAME

Swart Veterinary  
Imaging

REFERRING VET

Dr. Swart