


PRESENTING CLINICAL SIGNS

DATE History: History of degenerative valve disease. Diagnosed with left-sided CHF last week. Receiving furosemide 12.5 mg BID, pimobendan 1.5 mg BID.

2/7/23

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY:

Loetitia Saint-Jacques, LVT

INTERPRETED BY

Keith Blass, DVM, MS, DACVIM (Cardiology)

There is severe left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A severe jet of mitral regurgitation is present. There is 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 a mild jet of tricuspid regurgitation is present. TR velocity is consistent with the presence of severe pulmonary hypertension (PG 82.8 mmHg). The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

LA - 37.1 mm
 LVIDd - 37.1 mm
 LVIDs - 18.8 mm
 FS - 49%
 LVOT - 1.28 m/s
 RVOT - 1.09 m/s
 TR - 4.55 m/s

PATIENT

Romeo Aguayo

SPECIES

Canine

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral and tricuspid valve disease
 Pulmonary hypertension

BREED

Chihuahua

This examination demonstrates progression of Romeo's mitral valve disease over the past year and a half, as both his left atrial and left ventricular dimensions have increased (both of which are now severely dilated), and Romeo now has severe secondary pulmonary hypertension. Given this, it comes as no surprise that Romeo experienced an episode of left-sided congestive heart failure (CHF) last week. In addition to left-sided CHF, Romeo is at risk for the development of exercise intolerance, syncope, and arrhythmia formation, and his pulmonary hypertension also puts him at risk for the development of right-sided CHF.

SEX

MN

Romeo's current medications are appropriate, as is therapy with enalapril (2.5 mg BID), spironolactone (6.25 mg BID), and sildenafil (5 mg TID).

AGE

11 y

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 4 months. Repeat radiographs are recommended any time Romeo experiences difficulty breathing.

WEIGHT

4.74 kg

HOSPITAL NAME

Roundhill AH

REFERRING VET

Dr. Kelly



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

AGE

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WEIGHT

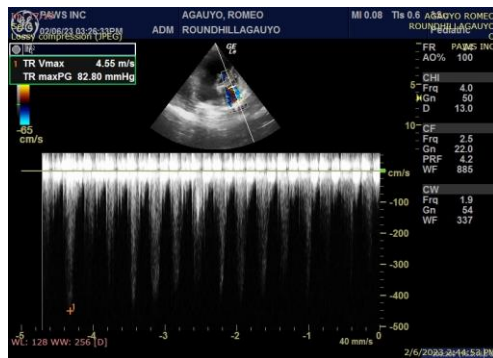
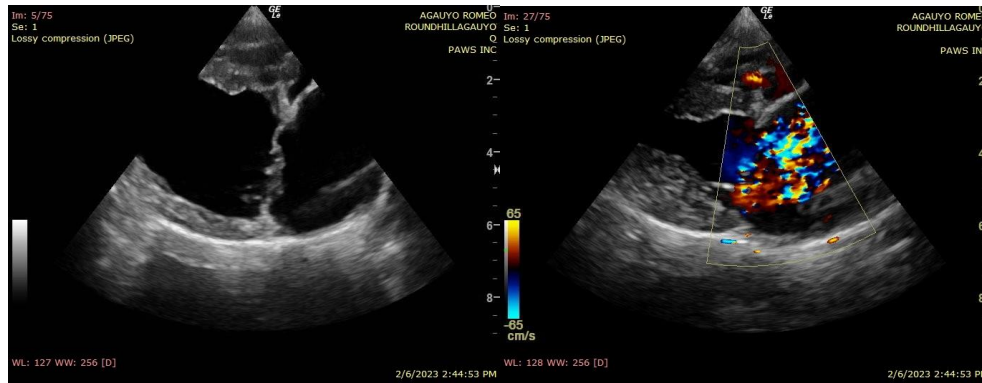
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.