



PATIENT

Donatello Rojas

SPECIES

Canine

BREED

Yorkie

SEX

MN

AGE

11 y

WEIGHT

11 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Rosas

INVOICE

DATE

1/16/26

PRESENTING CLINICAL SIGNS

Grade 5/6 murmur. Presented on 1/10 with coughing and difficulty breathing. Currently receiving furosemide 6.25 mg BID and pimobendan 1.25 mg BID.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

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, though trace tricuspid regurgitation is present. The pulmonary artery and pulmonic valve appear normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

LA - 29.1 mm
LVIDd - 29.2 mm
LVIDs - 12.3 mm
FS - 57.9%
RA - 14.5 mm
LVOT - 0.72 m/s
RVOT - 0.74 m/s

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease

This examination demonstrates regurgitation of blood across Donatello's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Donatello has mild to moderate dilation of both his left atrium and left ventricle, though his left ventricular systolic function is well-preserved. While I don't appreciate evidence of cardiogenic pulmonary edema in Donatello's radiographs, his mitral valve disease is advanced enough to result in the development of left-sided congestive heart failure, therefore, it's possible that mild edema could be present if Donatello's respiratory rate/effort improves with furosemide.

Continued use of pimobendan is warranted based on this exam. Continued use of furosemide would be warranted if the medication has resulted in clinical improvement. If furosemide is continued, the addition of enalapril (2.5 mg BID) would also be warranted.

A renal/electrolyte profile is recommended in 1-2 weeks. A recheck echocardiogram is recommended in 9 months. Repeat thoracic radiographs are recommended if any time there is suspicion for the development of congestive heart failure.



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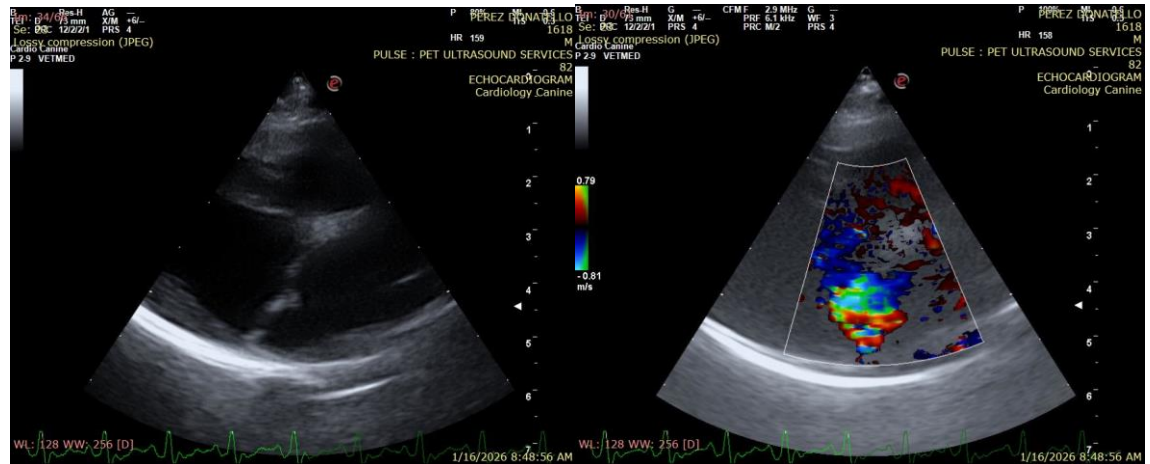
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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.

Keith Blass, DVM, MS, DACVIM (Cardiology)

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