



PATIENT

Crystal Rosario

SPECIES

Canine

BREED

Chihuahua

SEX

FI

AGE

11 y

WEIGHT

5.2 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Colon

INVOICE

DATE

5/29/26

PRESENTING CLINICAL SIGNS

Persistent dry cough. Was prescribed furosemide, pimobendan, and enalapril. Had to be hospitalized and given oxygen therapy yesterday due to the coughing episodes. Radiographs showed cardiomegaly and tracheal collapse.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

There is mild left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. There is Doppler evidence of mitral regurgitation present. There is mild left ventricular dilation. Left ventricular systolic function is normal. 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 heartworms are visualized. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

LA - 21.9 mm
LVIDd - 21.0 mm
LVIDs - 9.2 mm
FS - 56%
RA - 10.1 mm
LVOT - 1.01 m/s
RVOT - 0.79 m/s

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease - stage B2

This examination demonstrates regurgitation of blood across Crystal's mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Crystal has mild dilation of both her left atrium and left ventricle, though her left ventricular systolic function is well-preserved. As only mild left heart chamber dilation is present, it does not appear that Crystal's mitral valve disease is contributing to her cough, and it's likely that her tracheal collapse is the primary cause. Crystal's current risk for the development of other clinical signs secondary to her mitral valve disease, such as exercise intolerance, syncope, and/or labored breathing, appears to be relatively low, though careful monitoring for these is recommended.

Continued use of pimobendan is warranted based on this exam. Continued use of furosemide and enalapril would only be warranted if the medications have improved Crystal's cough. Recommended therapy for Crystal's tracheal collapse is hydrocodone (~0.25 mg/kg PRN). Should Crystal experience additional episodes of difficulty oxygenating secondary to her tracheal collapse, stent placement can be considered.

A recheck echocardiogram is recommended in 6-9 months. Recheck thoracic radiographs are recommended if Crystal experiences difficulty breathing.



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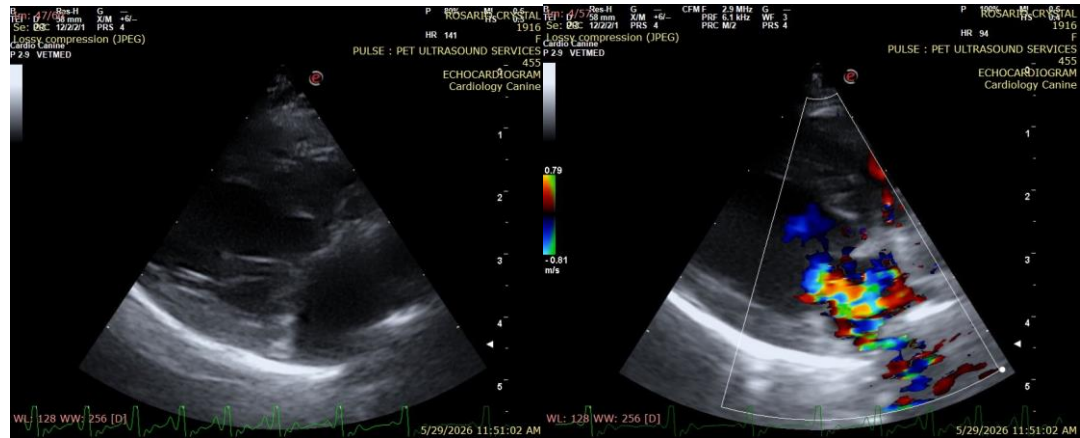
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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) info@SonoPath.com