



## PATIENT

Candy Nolasco

## SPECIES

Canine

## BREED

Shih Tzu

## SEX

FS

## AGE

13 y

## WEIGHT

14.6 lb

## INTERPRETED BY

Keith Blass, DVM, MS,  
DACVIM (Cardiology)

## IMAGING PERFORMED BY

Gabriel Ferrer, DVM

## HOSPITAL NAME

Pulse Pet Ultrasound  
Services

## REFERRING VET

Dr. Fernandez

## INVOICE

## DATE

3/23/26

## PRESENTING CLINICAL SIGNS

Chronic cough. Has been receiving pimobendan and benzepril for ~5 years.

## ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

There is moderate to 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 left ventricular dilation. Left ventricular systolic function is hyperdynamic. Left ventricular diastolic function is characteristic of an age-related relaxation abnormality. 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. The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

LA - 34.7 mm  
LVIDd - 32.4 mm  
LVIDs - 17.5 mm  
FS - 46%  
RA - 17.7 mm  
LVOT - 0.88 m/s  
RVOT - 0.60 m/s

## ASSESSMENT/RECOMMENDATIONS

Degenerative mitral (stage B2) and tricuspid (stage B1) valve disease

This examination demonstrates regurgitation of blood across Candy's mitral and tricuspid valves resulting from degenerative valve disease. Candy's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Candy has moderate to severe secondary dilation of her left atrium and moderate dilation of her left ventricle, though her left ventricular systolic function is well-preserved. Given the presence of moderate to severe left atrial dilation, it's likely that mainstem bronchial compression is contributing to Candy's cough. I don't appreciate evidence of pulmonary edema in Candy's radiographs, however, she is at fairly high risk for its development, and careful monitoring of her respiratory rate/effort is recommended.

Continued use of pimobendan and benazepril is recommended based on this exam. A trial with furosemide (~1 mg/kg BID) is recommended to see if this improved Candy's cough. If it does not, the medication can be discontinued, and a cough suppressant can be given instead.

A recheck echocardiogram is recommended in 6-9 months. Repeat radiographs are recommended if Candy experiences difficulty breathing.



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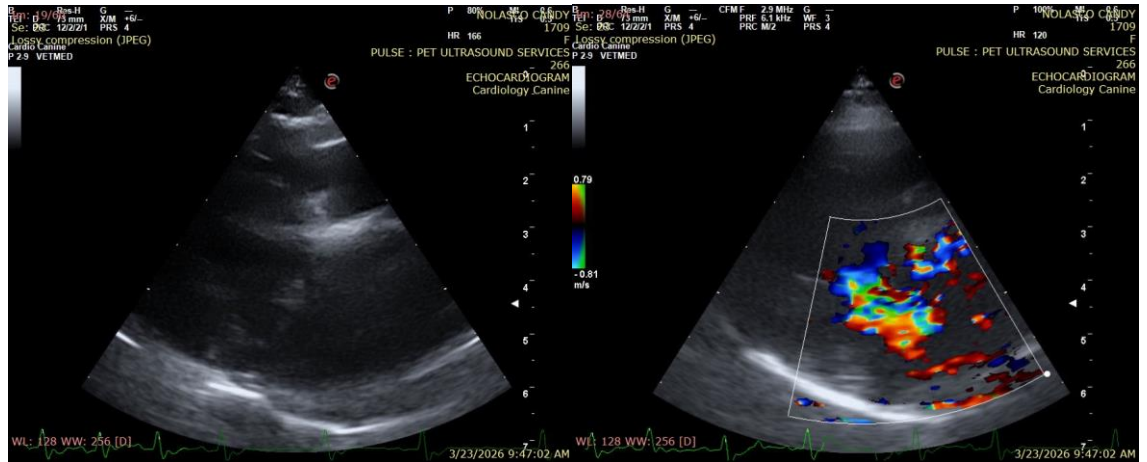
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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](mailto:info@SonoPath.com)