



## PATIENT

Yuyin Valeria Rivera

## SPECIES

Canine

## BREED

Mixed

## SEX

FS

## AGE

15 y

## WEIGHT

26.4 lb

## INTERPRETED BY

Keith Blass, DVM, MS,  
DACVIM (Cardiology)

## IMAGING PERFORMED BY

Gabriel Ferrer, DVM

## HOSPITAL NAME

Pulse Pet Ultrasound  
Services

## REFERRING VET

Dr. Davila

## INVOICE

## DATE

6/3/26

## PRESENTING CLINICAL SIGNS

Grade 4/6 murmur. Receiving pimobendan 2.5 mg BID. Pre-anesthetic evaluation.

## ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

Left atrial size is normal. The mitral valve leaflets are thickened and exhibit mild systolic prolapse. There is Doppler evidence of mitral regurgitation present. Left ventricular dimensions are normal. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. 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 arrhythmia

LA - 34.7 mm  
LA/Ao - 1.44  
LVIDd - 33.3 mm  
LVIDs - 19.8 mm  
FS - 40.5%  
RA - 20.0 mm  
LVOT - 1.35 m/s  
RVOT - 1.02 m/s

## ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease - stage B1

This examination demonstrates regurgitation of blood across Yuyin's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation appear to be mild at present, as Yuyin does not have secondary dilation of either of her left heart chambers, and her left ventricular systolic function is well-preserved. Given the absence of chamber dilation, Yuyin's current risk for the development of clinical signs secondary to her mitral valve disease, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be low.

Yutin's cardiovascular risk for general anesthesia is mildly increased based on this exam, therefore, some precautions should be taken in order to minimize this risk. I recommend avoiding the use of alpha-2 agonists, ketamine, and telazol in the anesthetic protocol, as well as reducing the IV fluid rate by 25%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

While pimobendan may be continued if desired, no therapy has been proven to be beneficial with stage B1 disease.

A recheck echocardiogram is recommended in 6 months. Thoracic radiographs are recommended if Yuyin experiences respiratory clinical signs.



## PATIENT

Yuyin Valeria Rivera

## SPECIES

Canine

## BREED

Mixed

## SEX

FS

## AGE

15 y

## WEIGHT

26.4 lb

## INTERPRETED BY

Keith Blass, DVM, MS,  
DACVIM (Cardiology)

## IMAGING PERFORMED BY

Gabriel Ferrer, DVM

## HOSPITAL NAME

Pulse Pet Ultrasound  
Services

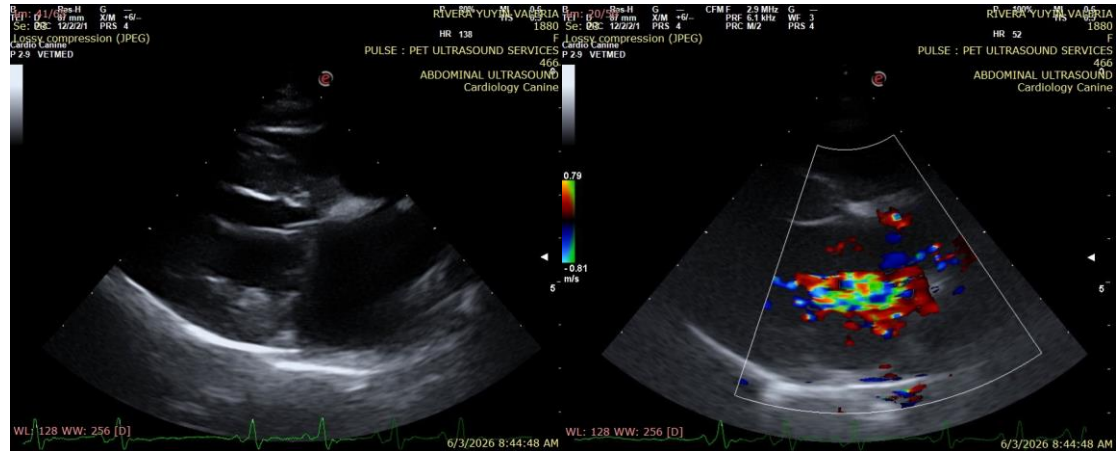
## REFERRING VET

Dr. Davila

## INVOICE

## DATE

6/3/26



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)