



PATIENT

Scrappy Lee Melendez

SPECIES

Canine

BREED

Mixed

SEX

MI

AGE

13 y

WEIGHT

10.8 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Gabriel Ferrer, DVM

HOSPITAL NAME

Pulse Pet Ultrasound
Services

REFERRING VET

Dr. Vega

INVOICE

DATE

5/18/26

PRESENTING CLINICAL SIGNS

Murmur. Pre-anesthetic evaluation (dental).

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

Left atrial size is normal. The mitral valve leaflets are thickened and exhibit mild systolic prolapse. A mild jet of eccentric mitral regurgitation is present. There is mild to moderate 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 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 - 22.8 mm
LVIDd - 25.8 mm
LVIDs - 15.5 mm
FS - 39.9%
RA - 15.9 mm
LVOT - 0.63 m/s
RVOT - 0.53 m/s

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease - stage B1

This examination demonstrates mild regurgitation of blood across Scrappy Lee's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation also appear to be mild, as Scrappy does not have secondary dilation of either of his left heart chambers, and his left ventricular systolic function is normal. As such, Scrappy's current risk for the development of clinical signs secondary to his mitral valve disease, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be low.

Scrappy'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 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.

No therapy is recommended at this stage of Scrappy's mitral valve disease.

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.



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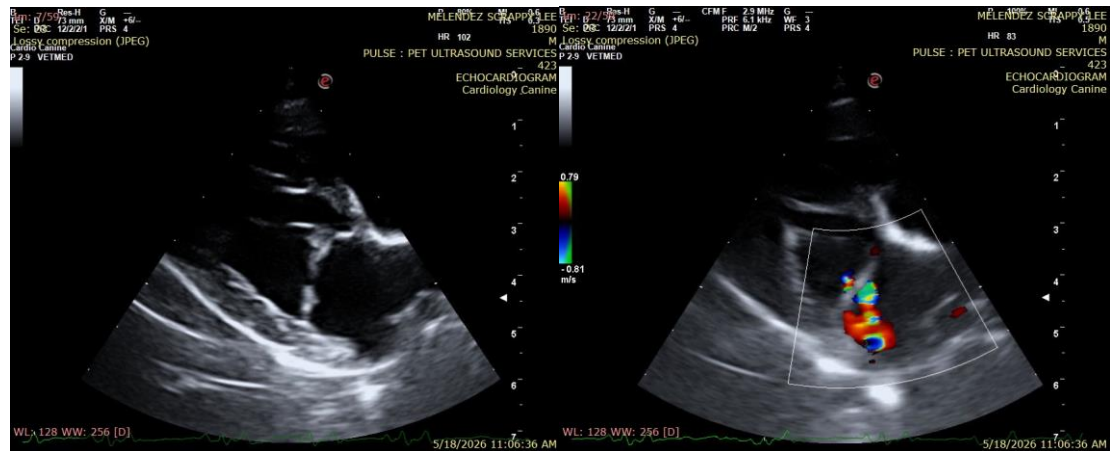
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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