

PRESENTING CLINICAL SIGNS

DATE History: New murmur. Pre-anesthetic evaluation. ECG – NSR.

4/21/23 ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

PERFORMED BY: There is mild left atrial dilation. The mitral valve leaflets are mildly thickened, and 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 is normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

INTERPRETED BY

Keith Blass, DVM,
MS, DACVIM
(Cardiology)

LA – 36.4 mm
LVIDd – 37.4 mm
LVIDs – 21.8 mm
FS – 41.7%
RA – 25.3 mm
LVOT – 1.51 m/s
RVOT – 0.91 m/s

PATIENT

Melissa Guglielmo

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease

SPECIES

Canine

This examination demonstrates regurgitation of blood across Melissa’s mitral valve resulting from degenerative valve disease. Secondary to her regurgitation, Melissa 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, Melissa’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 relatively low, though careful monitoring for these signs is recommended going forward.

BREED

Terrier Mix

Melissa’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.

SEX

FS

AGE

14 y

I recommend starting Melissa on pimobendan (5 mg am, 2.5 mg pm), as this medication should help to slow the progression of her mitral valve disease, as well as decrease her risk for general anesthesia.

A recheck echocardiogram is recommended in 9 months. Thoracic radiographs are recommended if Melissa experiences respiratory clinical signs.

WEIGHT

14 kg

HOSPITAL NAME

Swart Veterinary
Imaging

REFERRING VET

Dr. Swart



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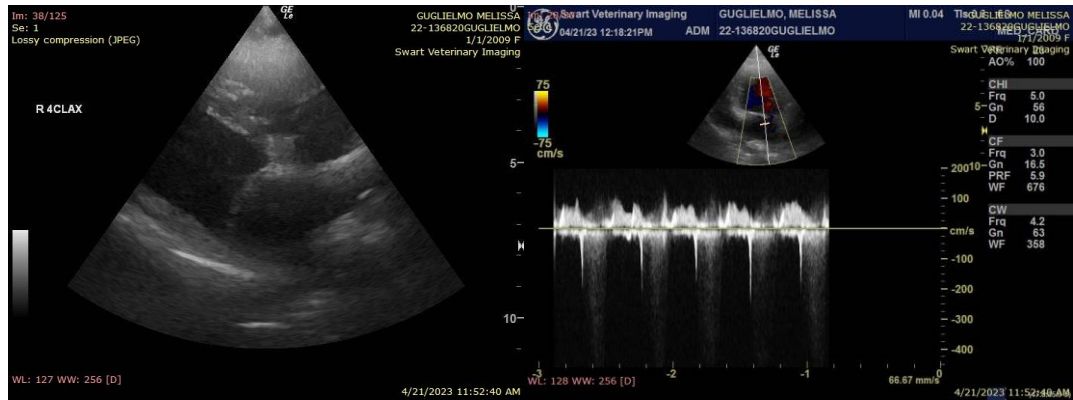
14 kg

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The information and recommendations provided are based on the images presented by the referring veterinarian. 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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