



PATIENT

Lenny Maines

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

7 y

WEIGHT

37.4 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Graham Sager-
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

REFERRING VET

Dr. Edwards

INVOICE

DATE

3/31/26

PRESENTING CLINICAL SIGNS

New grade 3/6 left apical systolic murmur. Acute onset of vestibular disease.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

Left atrial size is normal. The mitral valve leaflets are mildly thickened and exhibit mild systolic prolapse. A mild to moderate jet of eccentric mitral regurgitation is present. The left ventricular diastolic dimension is normal. Left ventricular systolic function is mildly to moderately depressed. 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 pericardial effusion or cardiac masses are seen.

ECG during echo: Sinus rhythm

LA - 38.1 mm
LVIDd - 39.9 mm
LVIDs - 31.7 mm
FS - 20.6%
RA - 10.3 mm
LVOT - 1.30 m/s
RVOT - 0.69 m/s

ASSESSMENT/RECOMMENDATIONS

Degenerative mitral valve disease - stage B1
Left ventricular systolic dysfunction

This examination demonstrates mild to moderate regurgitation of blood across Lenny's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation also appear to be mild, as Lenny does not have secondary dilation of either of her left heart chambers. As such, Lenny's current risk for the development of left-sided congestive heart failure appears to be low.

Also seen in this exam is mild to moderate depression of Lenny's left ventricular systolic function. As primary DCM would be rare in a dog Lenny's size, other differentials, such as a diet-associated cardiomyopathy and myocarditis seem more likely. While Lenny's myocardial dysfunction shouldn't account for her vestibular symptoms, it does put her at risk for the development of exercise intolerance and syncope, therefore, careful monitoring for these is recommended.

A diet change would be warranted if Lenny is receiving one that has been linked to the development of myocardial dysfunction (ex. those high in peas, lentils, and/or legumes).

I recommend starting Lenny on pimobendan (5 mg BID), as this medication should help to support her myocardial function.

A recheck echocardiogram is recommended in 6 months.



PATIENT

Lenny Maines

SPECIES

Canine

BREED

Mixed

SEX

FS

AGE

7 y

WEIGHT

37.4 lb

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Graham Sager-
Gellerman, DVM

HOSPITAL NAME

Back Bay VC

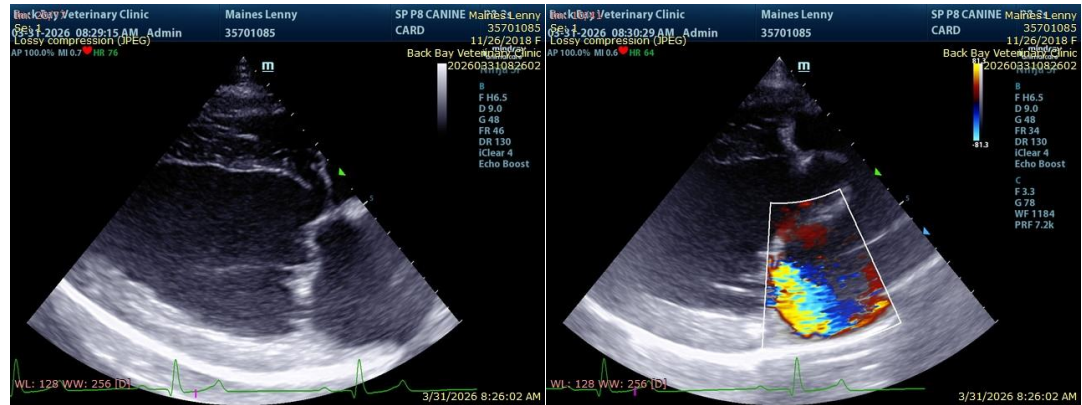
REFERRING VET

Dr. Edwards

INVOICE

DATE

3/31/26



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