



**PRESENTING CLINICAL SIGNS**

History: New grade 2/6 left-sided murmur. Pre-anesthetic evaluation. Does seem tired after running occasionally.

DATE

9/23/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Amy Mayhew, LVT

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Layla Bishop

**SPECIES**

Canine

Left atrial size is normal. The mitral valve appears normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal, as is left ventricular systolic function. The aorta and aortic valve appear normal, though there is mildly increased flow velocity in the ascending aorta. 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 appear normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

LA - 34.2 mm  
IVSd - 9.7 mm  
LVPWd - 9.8 mm  
LVIDd - 33.3 mm  
LVIDs - 19.4 mm  
FS - 41.7%  
RA - 24.1 mm  
LVOT - 1.92 m/s  
RVOT - 1.17 m/s

**ASSESSMENT/RECOMMENDATIONS**

Normal echocardiogram

**BREED**

Boxer

**SEX**

F

This examination demonstrates no evidence of structural heart disease, as trace tricuspid regurgitation can be considered a normal physiologic variant. Layla's murmur appears to be due to the presence of mildly increased flow velocity in her aorta, which is a common reason for a functional/innocent murmur to develop in boxers. As such, no reason for Layla's tiring after exercise is appreciated in the image set, though, given her breed, an ECG may be warranted to rule out the presence of an arrhythmia.

No therapy is recommended based on this exam, and there are no contraindications to general anesthesia or the use of any specific anesthetic agents.

**AGE**

3.5 y

A recheck echocardiogram is recommended if the characteristics of Layla's murmur change, or if other new physical exam and/or clinical abnormalities suggestive of cardiac dysfunction develop.

**WEIGHT**

49.2 lb

**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Union Lake VH



DATE

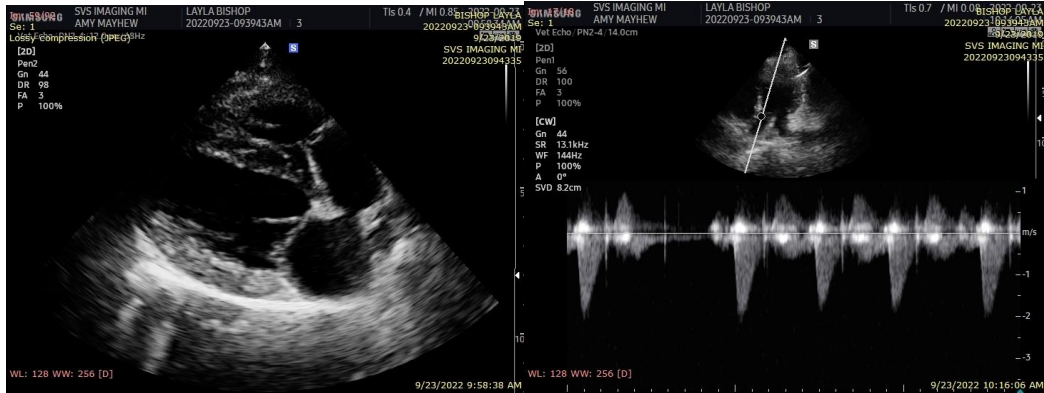
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Layla Bishop

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Keith Blass, DVM, MS, DACVIM (Cardiology)  
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631-804-5754

BREED

Boxer

SEX

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AGE

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WEIGHT

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HOSPITAL NAME

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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.