



**PRESENTING CLINICAL SIGNS**

History: Murmur ausculted bilaterally.

**DATE**

1/31/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Jessica Miller, RDMS

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. The aortic valve appears bicuspid, and there is turbulent systolic flow across the valve, consistent with the presence of moderate stenosis (PG 74.6 mmHg). The aorta is 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 appear normal, though very mild pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

Bella Vlacancich

LA - 33.5 mm  
IVSd - 10.3 mm  
LVPWd - 9.7 mm  
LVIDd - 34.1 mm  
LVIDs - 21.4 mm  
FS - 37.2%  
RA - 28.8 mm  
LVOT - 4.32 m/s  
RVOT - 1.86 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Aortic valve stenosis

**BREED**

Labrador Mix

This examination appears to demonstrate the presence of a bicuspid aortic valve. This has resulted in turbulent flow across Bella's valve, the velocity of which is consistent with the presence of moderate stenosis. Many dogs with this degree of stenosis will tolerate their disease well, though some will experience clinical signs, such as exercise intolerance and syncope, as well as arrhythmia formation, therefore, careful monitoring for these is recommended.

**SEX**

FS

I recommend starting Bella on atenolol (25 mg BID), as this medication may help to reduce her risk for the development of clinical signs and/or an arrhythmia. If Bella does become clinical in the future, consideration can be given to aortic valve balloon valvuloplasty. Avoidance of high-intensity exercise is recommended, if possible.

**AGE**

6 y

A recheck echocardiogram is recommended in 9 months, sooner if new clinical signs compatible with cardiac dysfunction develop.

**WEIGHT**

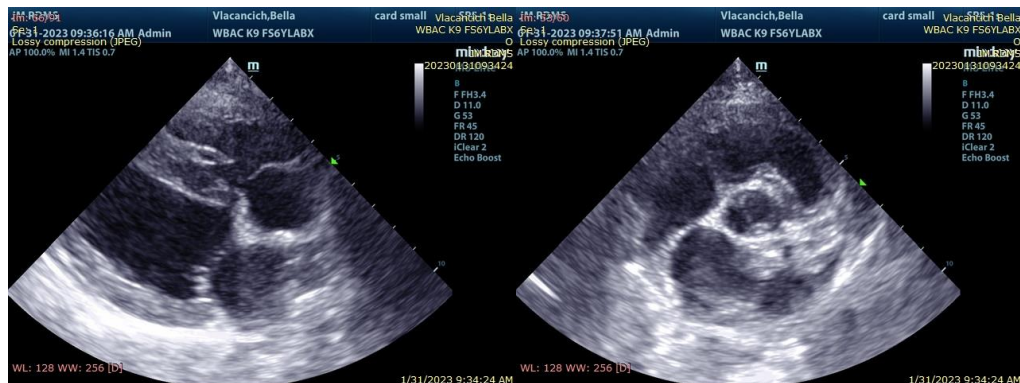
50.2 lb

**HOSPITAL NAME**

Willowbrook AC

**REFERRING VET**

Dr. Palescandolo





DATE

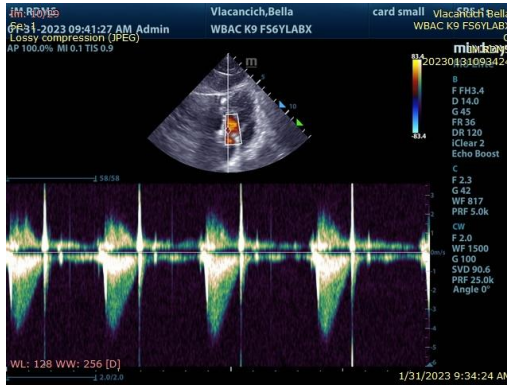
1/31/23

PERFORMED BY:

Jessica Miller, RDMS

INTERPRETED BY

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)



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.

PATIENT

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.

Bella Vlacancich

Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com  
631-804-5754

SPECIES

Canine

BREED

Labrador Mix

SEX

FS

AGE

6 y

WEIGHT

50.2 lb

HOSPITAL NAME

Willowbrook AC

REFERRING VET

Dr. Palesscandolo