



**PRESENTING CLINICAL SIGNS**

History: Grade IV-V/VI murmur. Radiographs show mild cardiomegaly.

**DATE**

11/2/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Shari Reffi, CVT

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

There is moderate left atrial dilation. The mitral valve leaflets are thickened and exhibit systolic prolapse. A moderate jet of eccentric mitral regurgitation is present. There is mild to moderate left ventricular dilation. Left ventricular systolic function is hyperdynamic. 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. TR velocity does not suggest the presence of pulmonary hypertension. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

**PATIENT**

Bruno Flachs

LA - 39.5 mm  
LVIDd - 35.6 mm  
LVIDs - 17.3 mm  
FS - 51.4%  
RA - 20.7 mm  
LVOT - 1.60 m/s  
RVOT - 0.97 m/s  
TR - 2.41 m/s

**SPECIES**

Canine

**BREED**

Dachshund

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

This examination demonstrates moderate regurgitation of blood across Bruno's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Bruno has moderate dilation of his left atrium and mild to moderate dilation of his left ventricle, though his left ventricular systolic function is well-preserved. Bruno's mitral valve disease is still compensated, however, he is at risk for the development of clinical signs secondary to it, such as coughing, exercise intolerance, syncope, and labored breathing, therefore, careful monitoring for these signs is recommended.

**SEX**

I recommend starting Bruno on pimobendan (2.5 mg BID), as this medication should help to slow the progression of his mitral valve disease.

**MN**

A recheck echocardiogram is recommended in 6-9 months to monitor for disease progression. Recheck radiographs are recommended if Bruno experiences respiratory clinical signs.

**AGE**

11 y

**WEIGHT**

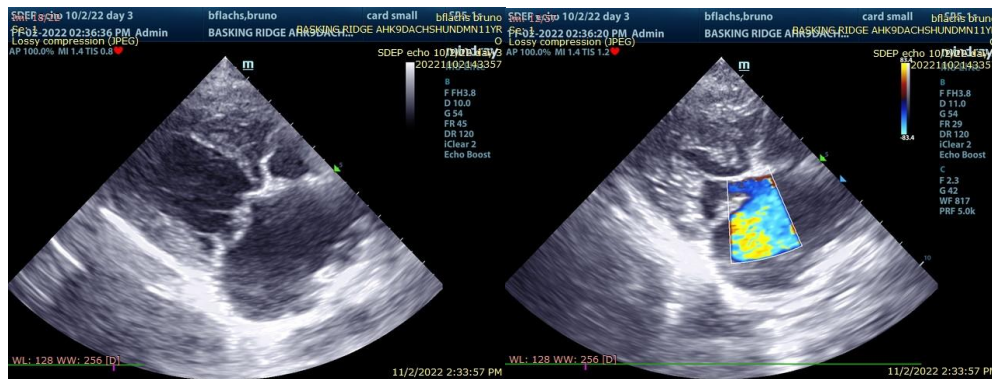
23 lb

**HOSPITAL NAME**

Basking Ridge AH

**REFERRING VET**

Dr. Hollo





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.

**DATE**

11/2/22

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.

**PERFORMED BY:**

Shari Reffi, CVT

**Keith Blass, DVM, MS, DACVIM (Cardiology)**  
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