



**PRESENTING CLINICAL SIGNS**

**DATE** History: Grade II murmur. Pre-anesthetic evaluation (dental).

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY**

Dr. Meredith Swart

There is mild left atrial dilation. The mitral valve leaflets are thickened, and there is Doppler evidence of mitral regurgitation present. There is mild to moderate left ventricular dilation. Left ventricular systolic function is normal. The aorta and aortic are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve is normal. The pulmonary artery and pulmonic valve are normal. No pericardial effusion or cardiac masses are seen.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA - 35.6 mm  
LVIDd - 38.6 mm  
LVIDs - 24.2 mm  
FS - 37.3%  
LVOT - 0.75 m/s  
RVOT - 0.85 m/s

**PATIENT**

Bruce Azoff

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**SPECIES**

Canine

This examination demonstrates regurgitation of blood across Bruce's mitral valve resulting from degenerative valve disease. Secondary to his regurgitation, Bruce has mild dilation of his left atrium and mild to moderate dilation of his left ventricle. Bruce's mitral valve disease is still compensated, however, he could become at risk for the development of clinical signs secondary to it, such as coughing, exercise intolerance, syncope, and labored breathing, if his disease were to continue to progress.

**BREED**

Cocker Mix

Bruce's cardiovascular risk for general anesthesia is mildly to moderately increased based on this exam, therefore, 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 25-50%. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

**SEX**

MN

I recommend starting Bruce on pimobendan (2.5 mg BID), as this medication should help to slow the progression of his mitral valve disease, as well as decrease his risk for general anesthesia.

**AGE**

11 y

A recheck echocardiogram is recommended in 6-9 months. Thoracic radiographs are recommended if Bruce experiences respiratory clinical signs.

**WEIGHT**

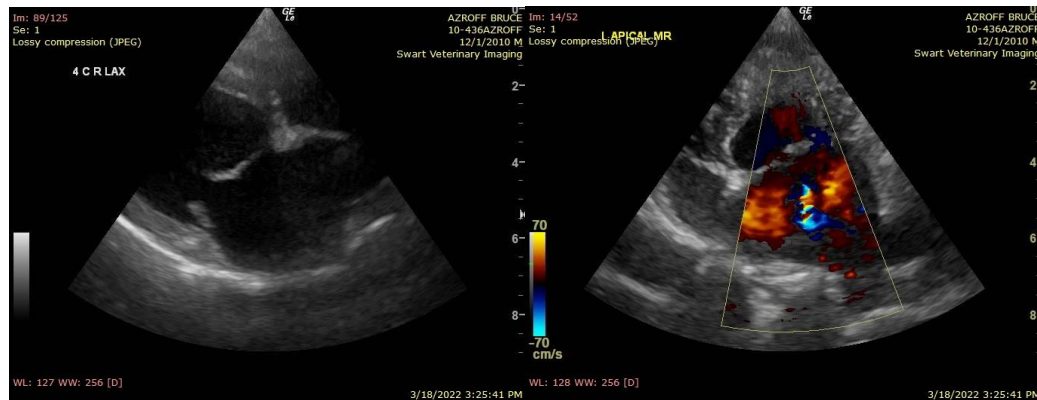
25 lb

**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart





**DATE**

3/18/22

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.

**PERFORMED BY**

Dr. Meredith Swart

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

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Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Bruce Azoff

**SPECIES**

Canine

**BREED**

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