



**PRESENTING CLINICAL SIGNS**

History: Grade II/VI left-sided murmur. Pre-anesthetic evaluation (dental).

**DATE**

4/20/23

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Shari Reffi, CVT

Left atrial size is normal. The mitral valve leaflets are mildly thickened, and a mild jet of eccentric mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is normal. 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.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA - 27.9 mm  
LVIDd - 24.4 mm  
LVIDs - 14.1 mm  
FS - 42.2%  
RA - 18.7 mm  
LVOT - 2.20 m/s  
RVOT - 1.13 m/s

**PATIENT**

Rocky Schwartz

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**SPECIES**

Canine

This examination demonstrates mild regurgitation of blood across Rocky's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation also appear to be mild, as Rocky does not have secondary dilation of either of his left heart chambers, and his left ventricular systolic function is well-preserved. As such, Rocky's mitral valve disease appears to be well-compensated, and his current risk for the development of clinical signs secondary to it, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be low.

**BREED**

Min. Schnauzer

Rocky's cardiovascular risk for general anesthesia is only very mildly increased based on this exam, though I still recommend avoiding the use of alpha-2 agonists in the anesthetic protocol, as well as reducing the IV fluid rate by 25%, as precautions. If possible, monitoring of heart rhythm, blood pressure, and pulse oximetry are recommended during the procedure.

**SEX**

MN

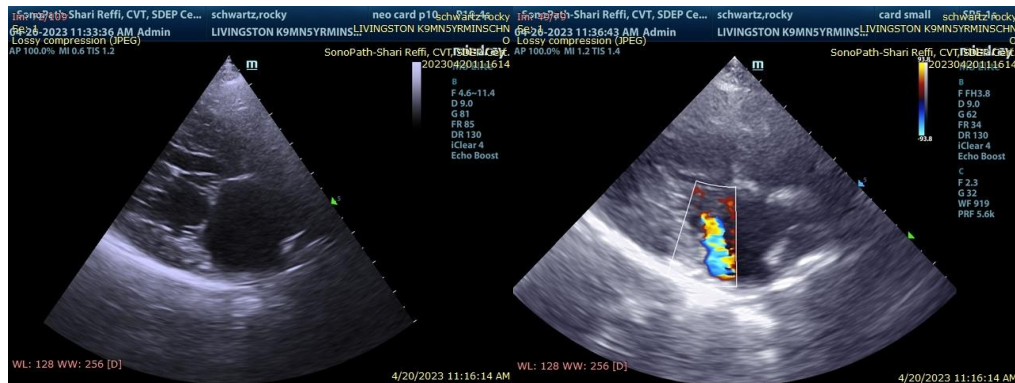
No therapy is recommended at this stage of disease.

**AGE**

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

**WEIGHT**

5 y

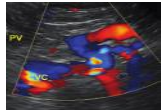
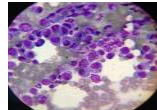
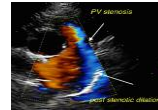


**HOSPITAL NAME**

Livingston AH

**REFERRING VET**

Dr. Messina



**DATE**

4/20/23

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:**

Shari Reffi, CVT

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

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**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Rocky Schwartz

**SPECIES**

Canine

**BREED**

Min. Schnauzer

**SEX**

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**AGE**

5 y

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