



**RESENTING CLINICAL SIGNS**

**DATE** History: Soft murmur. Pre-anesthetic evaluation.

**8/24/21** **ECHOCARDIOGRAPHIC FINDINGS**  
2D, M-mode, and Doppler study.

**PERFORMED BY:** Left atrial size is normal. The mitral valve leaflets are mildly thickened, and there is Doppler evidence of mitral regurgitation present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. 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 is normal. The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Sugar Gay

LA - 28.2 mm  
LVIDd - 26.2 mm  
LVIDs - 13.2 mm  
FS - 49.5%  
LVOT - 1.64 m/s  
RVOT - 1.12 m/s

**ASSESSMENT/RECOMMENDATIONS**

**SPECIES**

Canine

Degenerative mitral valve disease

**BREED**

Poodle

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

**SEX**

FS

Sugar's cardiovascular risk for general anesthesia is only mildly increased based on this exam, though I do recommend avoiding the use of alpha-2 agonists in the anesthetic protocol and reducing the IV fluid rate by 25% as precautions.

**AGE**

12 y

No therapy is recommended at this stage of Sugar's mitral valve disease.

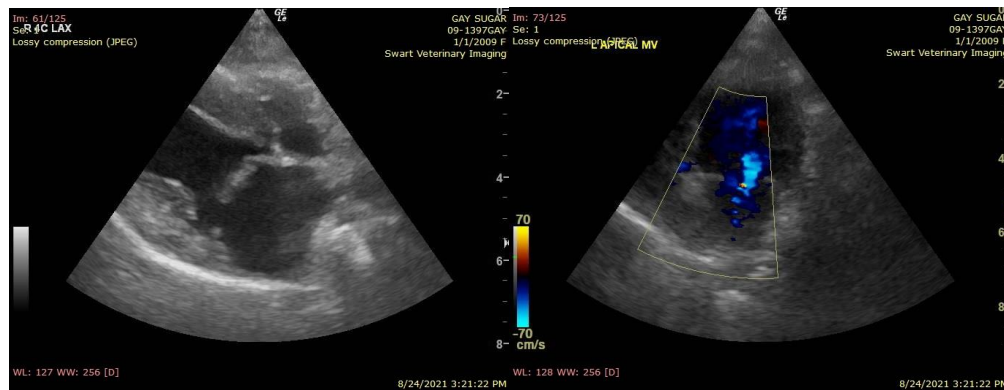
A recheck echocardiogram is in 6 months to monitor for disease progression.

**WEIGHT**

21 lb

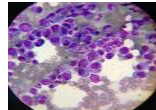
**HOSPITAL NAME**

Swart Veterinary  
Imaging



**REFERRING VET**

Dr. Swart



**DATE**

8/24/21

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.

**PERFORMED BY:**

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.

Dr. Meredith Swart

**INTERPRETED BY**

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

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Sugar Gay

**SPECIES**

Canine

**BREED**

Poodle

**SEX**

FS

**AGE**

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