



**PRESENTING CLINICAL SIGNS**

**DATE** History: Murmur. Asymptomatic.

**11/2/21 ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, Doppler study.

**PERFORMED BY:**

Dr. Meredith Swart

Left atrial size is normal. The mitral valve leaflets are mildly thickened and exhibit systolic prolapse. 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 trace aortic insufficiency is present. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears 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 - 20.0 mm  
LVIDd - 19.6 mm  
LVIDs - 10.3 mm  
FS - 47%  
LVOT - 1.60 m/s  
RVOT - 0.79 m/s

**PATIENT**

Winnie Cook

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**SPECIES**

Canine

This examination demonstrates regurgitation of blood across Winnie's mitral valve resulting from degenerative valve disease. The hemodynamic effects of the regurgitation appear to be mild, as Winnie does not have secondary dilation of either of her left heart chambers, and her left ventricular systolic function is well-preserved. As such, Winnie's mitral valve disease appears to be well-compensated, and her 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**

Shih Tz Mix

No therapy is recommended at this stage of disease.

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

**SEX**

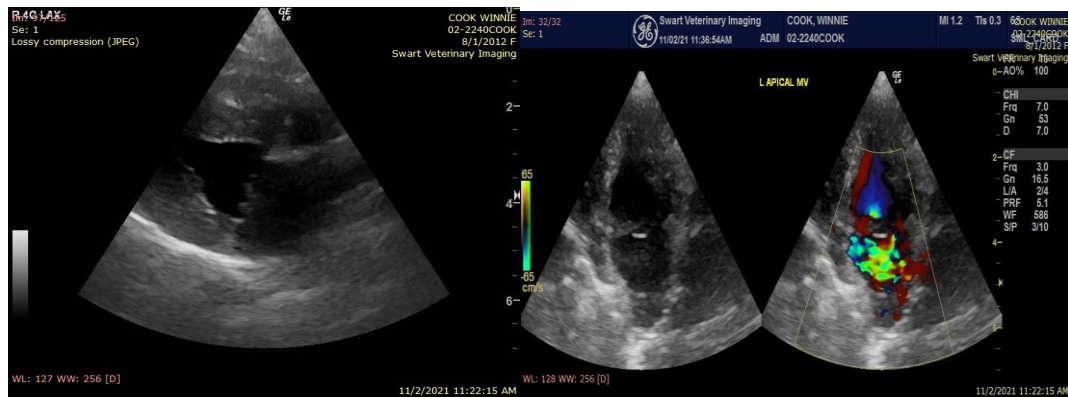
FS

**AGE**

9 y

**WEIGHT**

8.6 lb



**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



**DATE**

11/2/21

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:**

Dr. Meredith Swart

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.

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

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

**PATIENT**

Winnie Cook

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Canine

**BREED**

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