

**PRESENTING CLINICAL SIGNS**

**DATE** History: New grade IV murmur heard bilaterally. Cough that has greatly improved with cough tabs. Radiographs show cardiomegaly but no pulmonary edema.

10/26/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Dr. Meredith Swart

There is moderate to severe left atrial dilation. The mitral valve leaflets are thickened, and there is Doppler evidence of mitral regurgitation present. There is moderate to severe left ventricular dilation. Left ventricular systolic function is normal. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. TR velocity is consistent with the presence of very mild pulmonary hypertension (PG 33 mmHg). 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)

**PATIENT**

Silvia Rideout

LA - 57.2 mm  
LVIDd - 58.3 mm  
LVIDs - 38.3 mm  
FS - 34%  
LVOT - 1.29 m/s  
RVOT - 0.78 m/s  
TR - 2.87 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral and tricuspid valve disease  
Pulmonary hypertension

**BREED**

Boxer Mix

This examination demonstrates regurgitation of blood across Silvia's mitral and tricuspid valves resulting from degenerative valve disease. Silvia's tricuspid valve disease is mild, and appears to be well-compensated at this time. Her mitral valve disease is more advanced, as Silvia has moderate to severe secondary dilation of both her left atrium and left ventricle, as well as very mild secondary pulmonary hypertension. Given the presence of moderate to severe left heart chamber dilation, it's likely that mainstem bronchial compression is contributing to Silvia's cough, and she is at high risk for the development of exercise intolerance, syncope, and/or labored breathing.

**SEX**

FS

I recommend starting Silvia on pimobendan (7.5 mg am, 5 mg pm), as this medication should help to slow the progression of her mitral valve disease. Should Silvia's cough worsen despite therapy with cough tabs, a trial with furosemide (25 mg BID) may be warranted.

**AGE**

11 y

A recheck echocardiogram is recommended in 6 months Repeat radiographs are recommended if clinical signs compatible with congestive heart failure develop.

**WEIGHT**

53 lb

**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



DATE

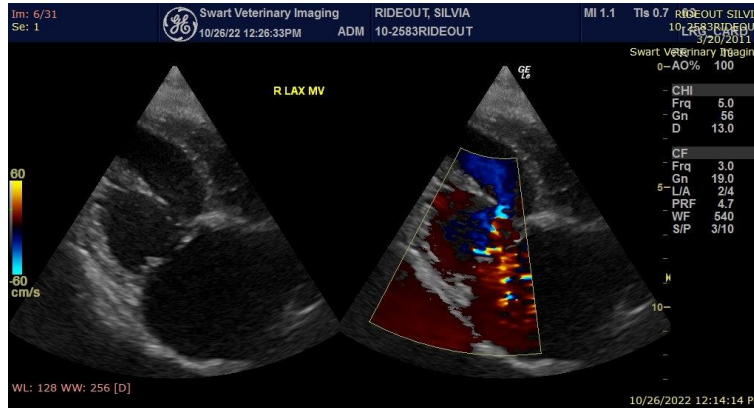
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

Silvia Rideout

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.

SPECIES

Keith Blass, DVM, MS, DACVIM (Cardiology)

Canine

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631-804-5754

BREED

Boxer Mix

SEX

FS

AGE

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