



**PRESENTING CLINICAL SIGNS**

**DATE** History: Diagnosed with aortic stenosis at 5 months of age. Was started on atenolol 12.5 mg BID. Has not had any follow-up echos. Possible exercise intolerance recently.

3/21/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY**

Dr. Meredith Swart

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve is normal. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is normal. There is mild narrowing of the left ventricular outflow tract. The aorta and aortic valve appear normal, however, there is mildly increased flow velocity in the outflow tract/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 pericardial effusion or cardiac masses are seen.

**PATIENT**

Lexi Clark

LA - 39.9 mm  
IVSd - 10.2 mm  
LVPWd - 12.0 mm  
LVIDd - 38.0 mm  
LVIDs - 24.6 mm  
FS - 35.2%  
LVOT - 3.05 m/s  
RVOT - 0.75 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

**BREED**

Australian Shepherd

This examination demonstrates mild narrowing of Lexi's left ventricular outflow tract, consistent with the presence of subaortic stenosis (SAS). The velocity of flow across the narrowed portion of Lexi's outflow tract is only mildly increased, indicating that her disease also appears to be mild. Given this, it appears unlikely that Lexi's cardiac disease is the cause of her recent exercise intolerance.

**SEX**

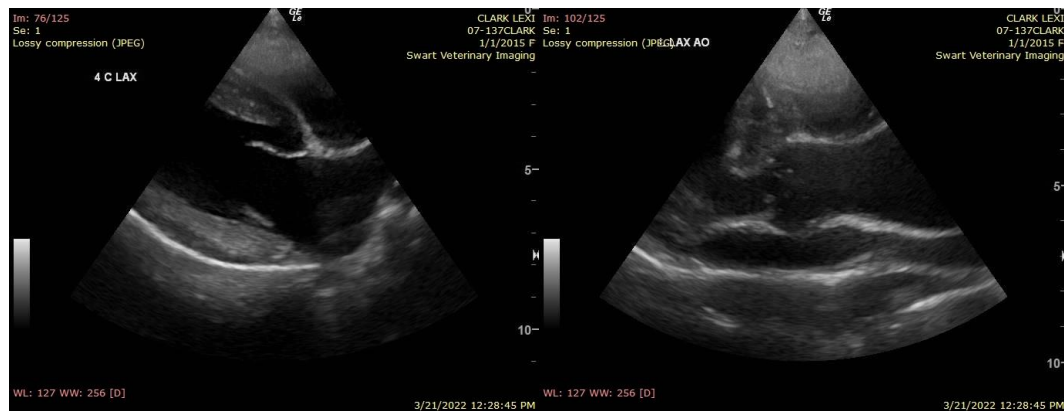
Consideration can be given to increasing Lexi's atenolol dose to 25 mg am, 12.5 mg pm, as this may potentially be beneficial if her exercise intolerance is related to her cardiac disease.

**FS**

A recheck echocardiogram is recommended in 12 months, sooner if new clinical signs compatible with cardiac dysfunction develop.

**AGE**

7 y



**WEIGHT**

44 lb

**HOSPITAL NAME**

Swart Veterinary  
Imaging

**REFERRING VET**

Dr. Swart



DATE

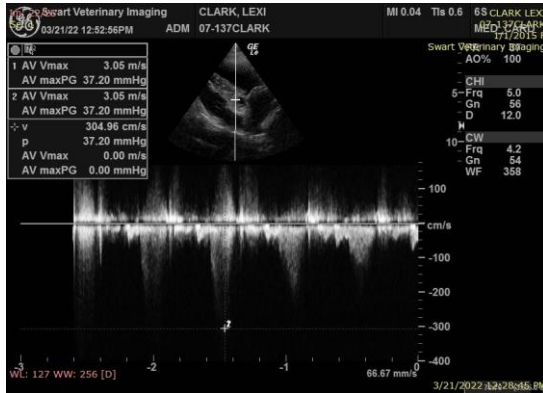
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

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.

Lexi Clark

Keith Blass, DVM, MS, DACVIM (Cardiology)  
KeithBlass@gmail.com

SPECIES

631-804-5754

Canine

BREED

Australian Shepherd

SEX

FS

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