



**PRESENTING CLINICAL SIGNS**

**DATE** History: Grade II-III/VI left -sided murmur. Pre-anesthetic evaluation (mass removal).

**ECHOCARDIOGRAPHIC FINDINGS**

9/13/22 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, as is left ventricular systolic function. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve appears normal. The pulmonary artery and pulmonic valve are normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Meredith Swart

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA - 25.2 mm  
LVIDd - 23.0 mm  
LVIDs - 13.2 mm  
FS - 42.6%  
RA - 15.3 mm  
LVOT - 0.95 m/s  
RVOT - 0.84 m/s

**PATIENT**

Spot Jordan

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral valve disease

**SPECIES**

Canine

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

Chihuahua Mix

Spot's cardiovascular risk for general anesthesia is mildly increased based on this exam, therefore, some precautions should be taken in order to minimize this risk. I recommend avoiding the use of alpha-2 agonists in the anesthetic protocol and reducing the IV fluid rate by 25%. 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 Spot's mitral valve disease.

**AGE**

13 y

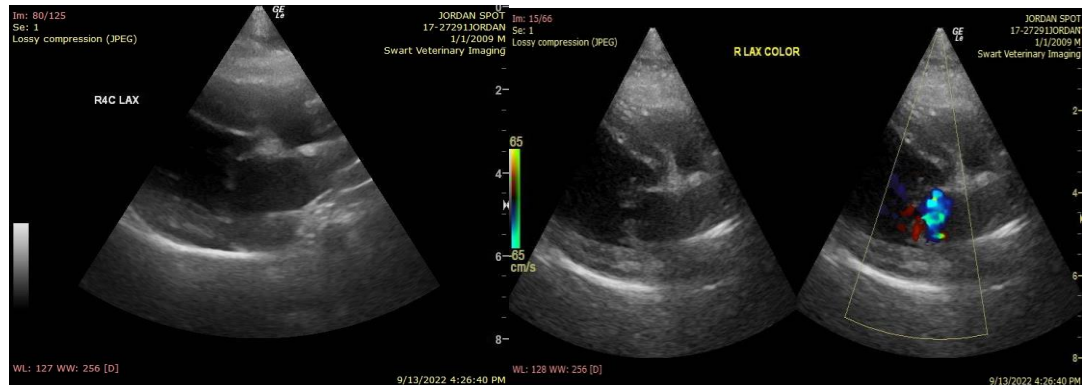
A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

**WEIGHT**

16.7 lb

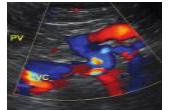
**HOSPITAL NAME**

Swart Veterinary  
Imaging



**REFERRING VET**

Dr. Swart



**DATE**

9/13/22

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:**

Dr. Meredith Swart

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

**PATIENT**

Spot Jordan

**SPECIES**

Canine

**BREED**

Chihuahua Mix

**SEX**

MN

**AGE**

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