

**PRESENTING CLINICAL SIGNS**

History: Previously diagnosed with stage B1 degenerative valve disease in July 2019. No current cardiac medications.

**DATE**

11/22/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Amy Mayhew, LVT

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened, and a mild jet of mitral regurgitation is present. Left ventricular dimensions are normal. Left ventricular systolic function is hyperdynamic. The aortic valve leaflets are mildly thickened, and a mild jet of aortic insufficiency is present. The aorta is normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and a mild jet of tricuspid regurgitation is present. TR velocity does not suggest the presence of pulmonary hypertension. 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.

**PATIENT**

Astro Howell

LA - 25.8 mm  
LVIDd - 24.5 mm  
LVIDs - 13.4 mm  
FS - 45%  
RA - 22.5 mm  
LVOT - 1.40 m/s  
RVOT - 0.60 m/s  
TR - 2.01 m/s

**SPECIES**

Canine

**ASSESSMENT/RECOMMENDATIONS**

Degenerative mitral, tricuspid, and aortic valve disease

**BREED**

Bichon Frise

This examination again demonstrates mild regurgitation of blood across Astro's mitral, tricuspid, and aortic valves resulting from degenerative valve disease. The hemodynamic effects of the regurgitations also still appear to be mild, as Astro does not have secondary dilation of any of his cardiac chambers. As such, Astro's valvular diseases appear to be well-compensated, and his current risk for the development of clinical signs secondary to them still appear to be low.

**SEX**

No therapy is recommended at this stage of Astro's valvular diseases.

**MN**

A recheck echocardiogram is recommended in 6-9 months to monitor for disease progression, sooner if new clinical signs compatible with cardiac dysfunction develop.

**AGE**

14 y

**WEIGHT**

13 lb

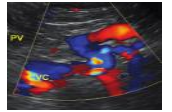
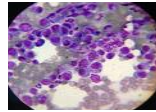
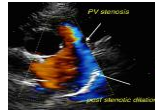
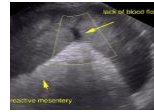
**HOSPITAL NAME**

SVS Imaging MI

**REFERRING VET**

Family Pet Practice





**DATE**

11/22/22

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:**

Amy Mayhew, LVT

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

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Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Astro Howell

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