



**PATIENT**

Skarlett Favela

**SPECIES**

Canine

**BREED**

Bull Terrier

**SEX**

Female Spayed

**PRESENTING CLINICAL SIGNS**

History: Grade 4/6 heart murmur. Asymptomatic.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Mild mitral valve thickening with no prolapse into the left atrial lumen. No mitral regurgitation with normal left atrial dimension. Normal LV diameter with adequate myocardial function. Normal LV wall dimensions with no obvious hypertrophy (0.8cm). The tricuspid valve appears normal with trace/mild tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic valve is normal in morphology and mobility. Normal pulmonic outflow velocities with laminar flow. No pulmonic insufficiency. Mild diffuse aortic valve thickening, although the valve appears trileaflet. Mildly increased LVOT velocity consistent with mild stenosis. Trace aortic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

**CARDIAC CHART**

**AGE**

11 months

**WEIGHT**

50lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Sarah Pender, CVT

**HOSPITAL NAME**

SVS Imaging QC

**REFERRING VET**

Dr. Stassen

**INVOICE**

28480

**DATE**

1/20/23

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)	
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6	
<b>PATIENT</b>	NA	2.0	1.4	1.3	55	88	0.27	
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	LVIDd Avg; 2D and m-mode short axis (cm)	LVIDs Avg; 2D and m-mode short axis (cm)	
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW	
<b>PATIENT</b>	105	3.0	1.5	22.7	2.2	3.1	1.1	
*Normal chamber parameters expressed as a mean value (SD)					3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>					5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>					10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
					15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
					20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
					25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
					30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
					35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
					40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
					50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The cause of the murmur is mild aortic stenosis. No obvious subaortic ridge is visualized. The mildly increased PG and normal LV wall thickness indicates the disease is likely of minimal clinical significance and prognosis is good. This is a common abnormality in this particular breed; however, what is seen here is not hemodynamically significant.

No cardiac medications are indicated at this time. From a cardiac standpoint, monitor for development of collapse episodes, labored breathing or exercise intolerance. As an aside, grain free/boutique brand/exotic ingredient diets should be avoided in this breed lifelong.

**IMAGING PERFORMED BY**

svsmobileimaging.com 309-737-3070



**PATIENT**

Skarlett Favela

Anesthetic risk is low. Avoid heart rate stimulating drugs such as atropine or glycopyrrolate unless clinically indicated.

**SPECIES**

Canine

Recommend recheck echocardiogram in 1 year to confirm no progression is seen, and to screen for development of concurrent cardiac disease that the preexisting murmur may mask.

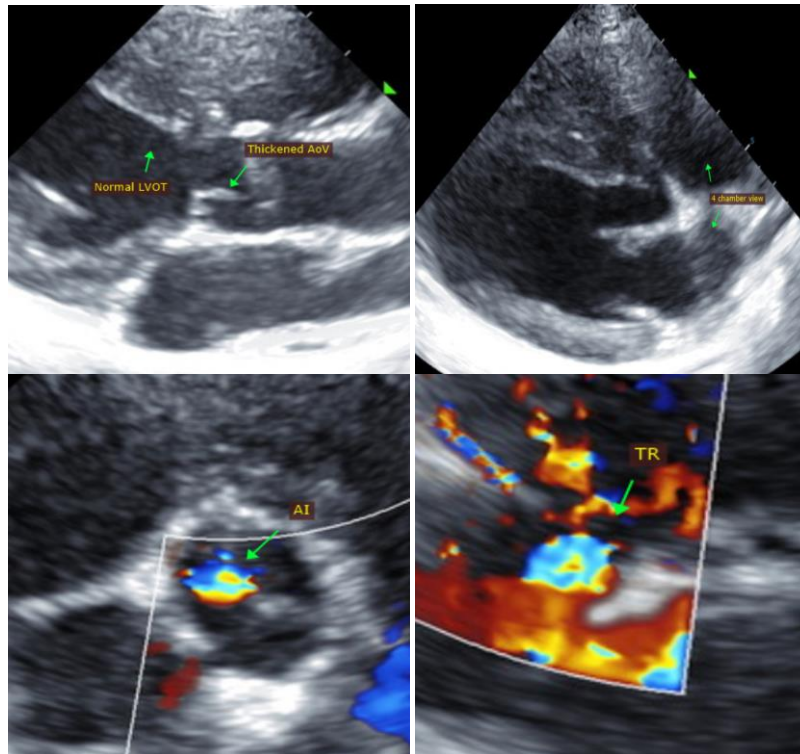
**BREED**

Bull Terrier

**IMAGES**

**SEX**

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**AGE**

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Maggie Machen Lamy,  
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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.

**IMAGING PERFORMED BY**

Sarah Pender, CVT

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.

**HOSPITAL NAME**

SVS Imaging QC

Maggie Machen Lamy, DVM  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com

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