



**PATIENT**

Murphy Bohula May

**SPECIES**

Canine

**BREED**

Boxer

**SEX**

Male Neutered

**AGE**

6.4 years

**WEIGHT**

86lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

**IMAGING PERFORMED BY**

Melinda Persson, DVM

**HOSPITAL NAME**

At Home Veterinary

**REFERRING VET**

Dr. Melinda Persson

**INVOICE**

46999

**DATE**

2/25/26

**PRESENTING CLINICAL SIGNS**

History: Diagnosed with pulmonic stenosis in 2020; PG max: 30mmHg and an elevated LVOT velocity (rule out hypoplasia versus normal versus mild AS). Progressive heart murmur. Asymptomatic.

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Mild diffuse thickening of mitral valve leaflets with no obvious prolapse into the left atrial lumen. No mitral regurgitation is identified. Normal left atrial dimension (LA/AO falsely elevated due to a small aortic root). Normal LV diameter with adequate myocardial function. The tricuspid valve appears subjectively normal, with no tricuspid regurgitation. The right heart is prominent. The aortic valve is normal in morphology and mobility. The pulmonic valve is not well visualized; however, it does appear slightly thickened. No aortic abnormalities identified. The LVOT velocity is borderline. Mildly elevated pulmonic outflow velocities. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac tumors observed.

**CARDIAC CHART**

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	NA	NM	1.5	35	70	0.5
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>	NM	1.9	2.9	39.0	3.3	4.6	3.0
*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)
*Note: All measurements based upon multi-modal images and methods. An average value is reported.				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 only cause of a murmur identified is slightly increased flow velocity through both great vessels. As was diagnosed previously, this pulmonic valve does appear mildly thickened, consistent with a trivial stenosis. The aortic outflow appears normal, suggesting the latter is simply a normal flow abnormality common in this breed. The overall cardiac dimensions and function appear normal with significant pathology seen.



## PATIENT

No cardiac medications are indicated.

Murphy Bohula May

No cardiac contraindication for general anesthesia.

## SPECIES

Monitor for any development of cough, labored breathing or exercise intolerance.

Canine

Recommend recheck echocardiogram in 12-18 months to screen for progression or development of concurrent cardiac disease that the preexisting murmur may mask.

## BREED

Boxer

## SEX

Male Neutered

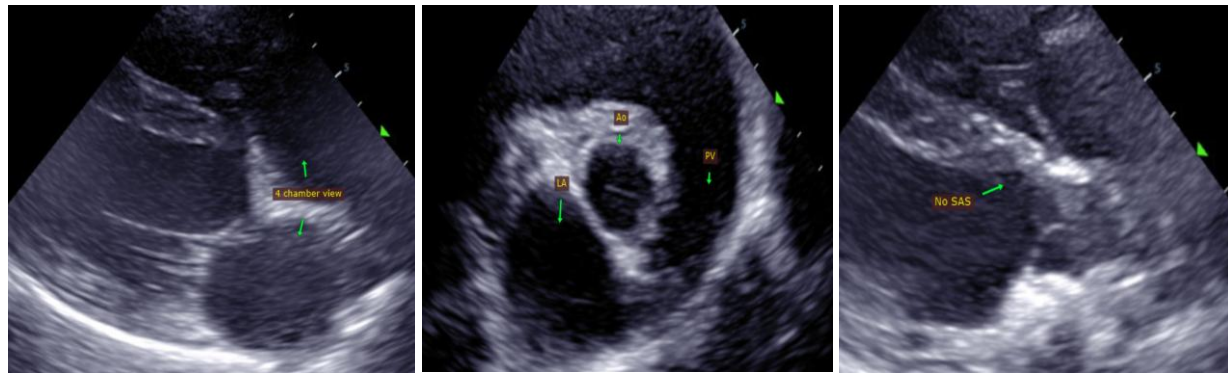
## AGE

6.4 years

## WEIGHT

86lbs

## IMAGES



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(Cardiology)

**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

Melinda Persson, DVM

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. 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

At Home Veterinary

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## REFERRING VET

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