



## PATIENT

Spice Waterman

## SPECIES

Canine

## BREED

Boxer

## SEX

Female Spayed

## AGE

7 years

## WEIGHT

74.6lbs

## INTERPRETED BY

Maggie Machen Lamy,  
DVM, DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Kelly Vazquez, CVT

## HOSPITAL NAME

Englewood Vet  
Center

## REFERRING VET

Dr. Ezik

## INVOICE

24045

## DATE

5/5/22

## PRESENTING CLINICAL SIGNS

History: Recheck echo.

-Pertinent previous echo findings (5/2021 MM): Trace MR, LVOT murmur, normal dimensions and function. LA: 2.6, LV: 4.2/2.4.

## 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. Trace central mitral regurgitation is identified. Normal left atrial dimension. Normal LV diameter with adequate myocardial function. The tricuspid valve appears subjectively normal, with no tricuspid regurgitation. The right heart is normal (subjective). No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal aortic outflow velocities. Normal 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)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	NM	NA	1.2	1.2	30	58	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)
NORMAL PARAMETER	50-100	0.7-1.7	0.7-1.6	BELOW	BELOW	BELOW	BELOW
PATIENT	100	1.6	1.3	33.8	2.3	4.4	3.1
*Normal chamber parameters expressed as a mean value (SD)							
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>							
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>							
				5	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
				10	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
				15	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				20	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				25	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				30	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				35	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				40	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				50	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

Overtly normal cardiac structure and function persists. The previously noted LVOT abnormality is not visualized here. This is typical for this type of flow murmur as it will wax and wane with heart rate/volume status. No additional issues are identified.

No cardiac medications remain indicated. No cardiac contraindication for general anesthesia. Monitor for any development of cough, labored breathing or exercise intolerance.



**PATIENT**

Spice Waterman

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

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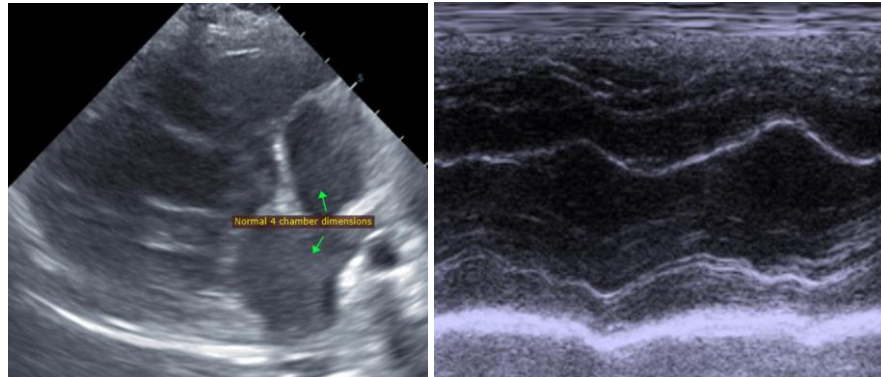
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**IMAGES**



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. 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.

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