



PATIENT

Anya Raya

SPECIES

Feline

BREED

DLH

SEX

Spayed Female

AGE

2 Years

WEIGHT

7.7 pounds

INTERPRETED BY

Sara Brethel, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Ryan Leal

HOSPITAL NAME

Wellesley Animal
Hospital

REFERRING VET

Dr. Cecelia Dean

INVOICE

14921

DATE

04/07/26

PRESENTING CLINICAL SIGNS

Pt presents for echocardiogram following recently ausculted heart murmur. Pt is noted to be otherwise healthy without other concerns at this time. Diet: Purina Pro Plan. Medications: No routinely; patient on gabapentin for echocardiogram

PE: BCS 5/9, 2/6 parasternal systolic heart murmur, no other significant findings Blood Pressure (Right hindlimb, left lateral, size 2 cuff): Doppler average 170. Labwork: None performed recently; 2023 spay labwork no significant findings including normal ProBNP

ULTRASONOGRAPHIC EXAMINATION OF THE HEART

FELINE CARDIAC PARAMETERS	BODY WEIGHT (kg)	HR (BPM)	IVSd (cm)	LVIDd (cm)	LVWd (cm)	FS (%)	EF (%)
NORMAL PARAMETER	-----	150-240	0.3-0.6	1.0-2.1	0.25-0.6	35-67	80-100
PATIENT	3.5	NM	0.44	1.37	0.42	42.33	--
FELINE CARDIAC PARAMETERS	LA/AO (M-mode)	LA/AO HEART BASE (Sisson)	LAD LA MAX 4 Chamber		LVOT VEL (m/s)	RVOT VEL (m/s)	LVIDs (m/)
NORMAL PARAMETER	<1.5	1.6	0.7-1.7		<1.6	<1.3	
PATIENT	NM	1.36	--		~1.0	~2.0	0.79
Adapted from June Boon, Veterinary Echocardiography, 1998							
Sisson D et al. JVIM 1991; 5: 232, Jacobs et al. Am J Vet Res 1985; 46:1705							

Cardiac Presentation

The mitral valve leaflets are normal and there is trivial mitral regurgitation. The left atrial size is normal. There is no evidence of systolic anterior motion of the mitral valve and no evidence of a left ventricular outflow tract obstruction. Left ventricular systolic and diastolic function is within normal limits. There is no evidence of left ventricular concentric hypertrophy. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on the images provided. The right ventricle appears normal in structure and function subjectively. The aortic and pulmonic valves have normal morphology. Aortic outflow velocities are normal. Pulmonic valves display a dynamic right ventricular outflow tract obstruction (benign). There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Trivial mitral regurgitation.
- Dynamic right ventricular outflow tract obstruction (benign).



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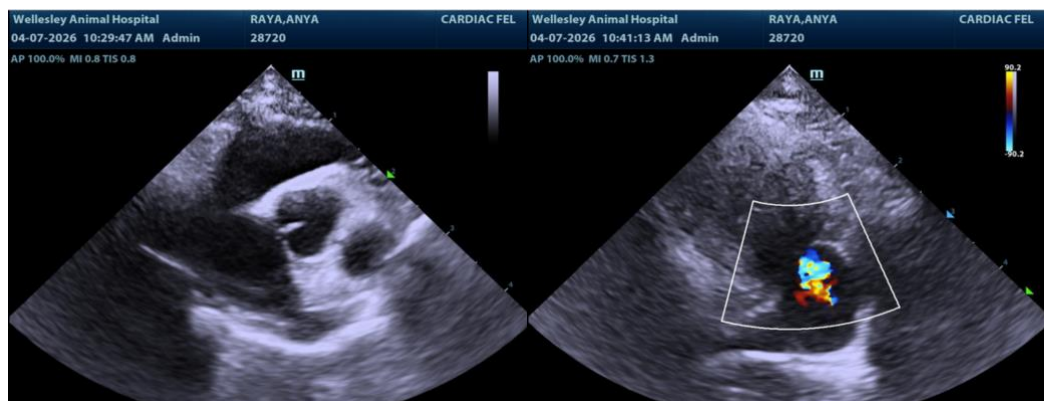
14921

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has trivial mitral regurgitation and a benign dynamic right ventricular outflow tract obstruction. No cardiac therapies are recommended. The mitral regurgitation may be secondary to systolic anterior motion of the mitral valve, however this is not identified in the images provided. Serial monitoring is recommended with a recheck echo in 10 to 12 months, sooner if the murmur is worsening in intensity or the patient is developing cardiovascular clinical signs.



The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. 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.

Sara Brethel, DVM, DACVIM (Cardiology)

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