

PATIENT

Marnie Asher

SPECIES

Canine

BREED

Belgian Mal

SEX

Spayed Female

AGE

6 Years

WEIGHT

68 pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Animal Care Center

REFERRING VET

Dr. Harbord

INVOICE

13432

DATE

01/28/26

PRESENTING CLINICAL SIGNS

- Clinical Exam Findings: 2/6 left systolic heart murmur. no arrhythmia. pulses strong and synchronous
- ABNORMAL Labwork Values: 1/23/26: SDMA 15, ALP 189
- For ECHO Only: Blood Pressure: will collect at time of echo appointment
- HR/RR/BP: 100 / 20 / BP pending
- Is there a Heart Murmur? If so, please grade: 2/6 left systolic heart murmur
- Current Medications: 600mg Gabapentin for visit. Interceptor Plus and Bravecto for preventatives
- Radiographic Findings: 1/22/36 Mild left cardiomegaly consistent with dilated cardiomyopathy and/or mitral insufficiency. This appears compensated at this time, with no evidence of congestive heart failure.

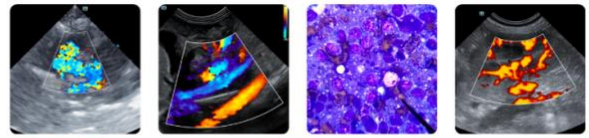
ULTRASONOGRAPHIC EXAMINATION OF THE HEART

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (M-Mode)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
PATIENT	--	--	NM	1.3	26.15	--	--
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LAD LA MAX 4 Chamber	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				
PATIENT	NM	1.5	3.77	30.9	3.7	3.9	2.88

Cardiac Presentation

The mitral valve leaflets are normal and there is no mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. 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 today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and valve has normal morphology and normal corresponding outflow velocities. The pulmonic valve appears dysplastic with doming of pulmonic valve leaflets and mildly to moderately increased aortic outflow velocities. There is no evidence of aortic insufficiency. There is mild pulmonic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear to have a mild post stenotic dilation, There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ECG Presentation



PATIENT

Sinus rhythm with a sinus arrhythmia and a fusion beat.

Marnie Asher

ULTRASONOGRAPHIC FINDINGS

SPECIES

- Mild to moderate pulmonic stenosis.
- Fusion beat.

Canine

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INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient's heart murmur is secondary to the mild to moderate pulmonic stenosis. This has likely been present since the patient was a puppy. Given the mild to moderate nature, no intervention is recommended at this time. Serial monitoring is recommended and a recheck echo should be performed in 10-12 months. No cardiac therapies are indicated.

SEX

Spayed Female

The left side of the heart is within normal limits. The fusion beat may be secondary to the patient's underlying pulmonic stenosis, however, I also recommend ensuring the patient is on a traditional grain-based diet and if there is any concern about exercise intolerance, a holter monitor can also be performed to ensure there are no other signs of arrhythmias present.

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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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