



PATIENT

Teddy Bell

SPECIES

Canine

BREED

Poodle Mix

SEX

Spayed Female

AGE

6 Years

WEIGHT

12.2 Pounds

INTERPRETED BY

Sara Brethel, DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Amazon Park AC

REFERRING VET

Dr. Jones

INVOICE

36111

DATE

3/5/26

PRESENTING CLINICAL SIGNS

- Clinical Exam Findings: Patient is healthy. Came in for annual in November and found to have a grade 2/6 murmur on left side thorax, normal rhythm (sinus) and rate (80). No coughing, or exercise intolerance. We were planning to perform a routine dental prophylaxis, but due to her relatively young age, we decided to get some baseline cardiac information.
- Chem/CBC were unremarkable
- HR/RR/BP: 80/20/TBD
- Is there a Heart Murmur? If so, please grade: Grade 2/6

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	--	--	1.19	1.05	44	--	0.16
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	1.15	1.11	5.54	2.5	2.5	1.4

Cardiac Presentation

The mitral valve leaflets are mildly thickened without evidence of mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size without tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. 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.



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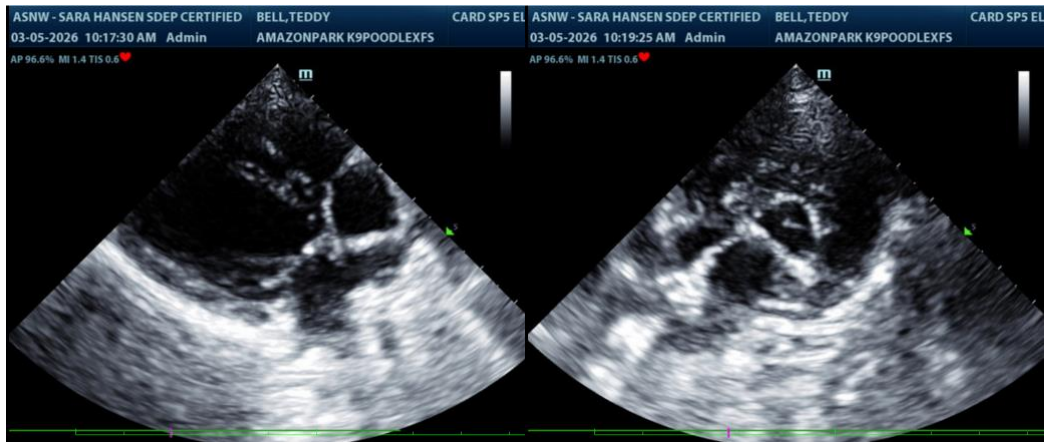
3/5/26

ULTRASONOGRAPHIC FINDINGS

- Mildly thickened mitral valve leaflets

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The mitral valve leaflets are mildly thickened and may represent early degenerative changes. A cause for the murmur is not identified based upon the images provided. To be cautious, I would recommend avoiding dexmedetomidine, other alpha 2 agonists and ketamine. Otherwise, elective anesthetic procedures should be well tolerated. A recheck echo is recommended in one year, sooner if the murmur is changing 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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