



PATIENT

Leia Saenz

SPECIES

Canine

BREED

Spaniel Mix

SEX

Spayed Female

AGE

9 Years

WEIGHT

18.86 kg

INTERPRETED BY

Camden Rouben, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Ethan Bloomer

HOSPITAL NAME

Echosound VMIS

REFERRING VET

Dr. Paul Listrani

INVOICE

35458

DATE

11/8/25

PRESENTING CLINICAL SIGNS

History: A left-sided systolic heart murmur (grade not specified) was recently heard during an exam. Patient is doing well otherwise at home.

Abnormal PE/Chem/CBC/UA Results: Left-sided systolic heart murmur.

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	5.12	--	1.24	1.68	40.9	72.94	0.25
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	--	1.94	0.91	18.86 kg	3.96	3.32	1.96

Cardiac Presentation

Based on the images provided, the mitral valve leaflets are mildly thickened with mild mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is equivocally distended. 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 with no tricuspid regurgitation. 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. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

ULTRASONOGRAPHIC FINDINGS

- Degenerative valve disease, affecting the mitral valve, ACVIM stage B-1

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

No cardiac medications are indicated at this time. Since this can be a progressive condition, serial monitoring is recommended. A recheck echocardiogram is recommended in 9-12 months. A sooner



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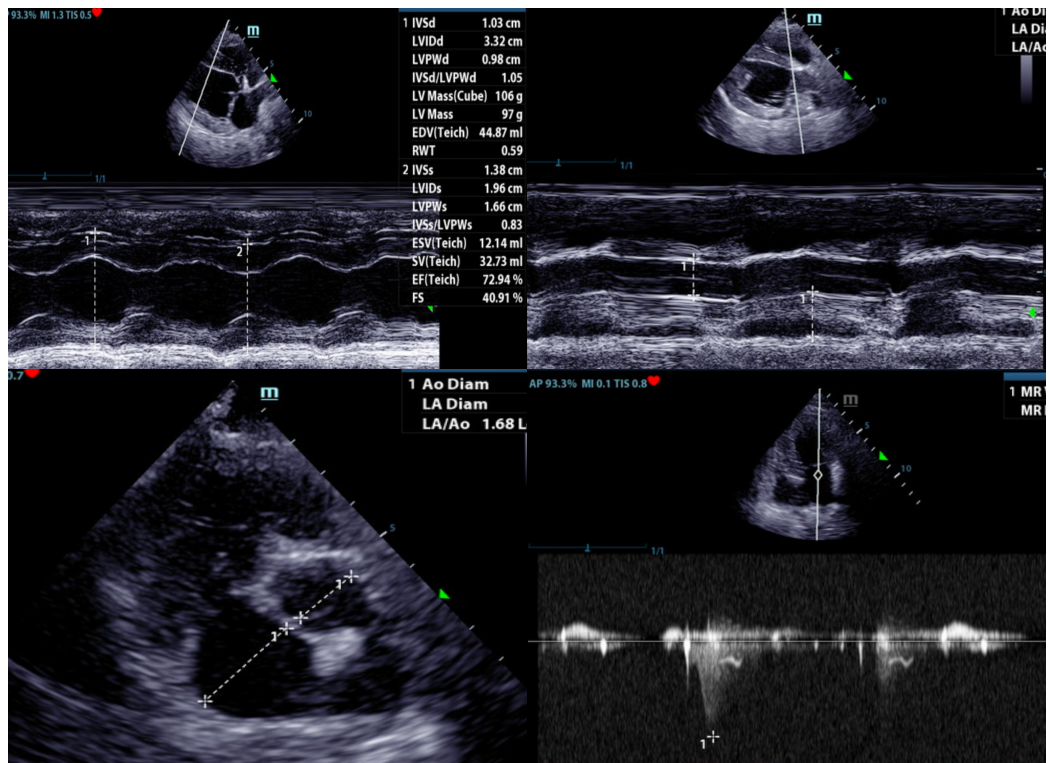
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recheck is recommended if the patient develops cardiovascular clinical signs or the heart murmur is worsening in intensity.

Elective anesthetic procedures should be well tolerated. A blood pressure assessment should be performed in this patient. Standard perioperative fluid rates should be well-tolerated. Medications like alpha 2 agonists and ketamine are best avoided. Anticholinergics can be used in the case of a clinically significant bradyarrhythmia.



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.

Camden Rouben DVM, DACVIM (Cardiology)

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