

PATIENT

Molly Sanderson

SPECIES

Canine

BREED

Schnauzer

SEX

Spayed Female

AGE

8 Years

WEIGHT

20.8 pounds

INTERPRETED BY

Sara Brethel DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Cordon Road
Veterinary Clinic

REFERRING VET

Dr. Rowland

INVOICE

13558

DATE

02/03/26

PRESENTING CLINICAL SIGNS

- Clinical Exam Findings: Low heart rate with intermittent gallop rhythm
- HR = 60 Heartworm negative
- HR/RR/BP: 60/panting/none taken

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	5.97	2.7	1.16	1.31	60.9	--	NM
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	NM	0.78	9.45	2.7	2.66	1.04

Cardiac Presentation

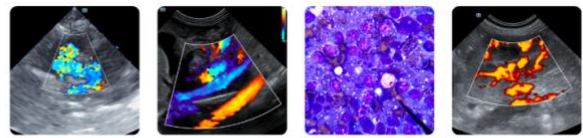
The mitral valve leaflets are mildly thickened with mild mitral regurgitation posteriorly directed. There is **no** prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in the face of mitral regurgitation. There is normal right atrial size with mild 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.

ULTRASONOGRAPHIC FINDINGS

- Degenerative valve disease ACVIM stage B1.
- Mild tricuspid regurgitation without evidence of pulmonary hypertension.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has degenerative valve disease ACVIM stage B1 and no cardiac medications are indicated at this time. Since this can be a progressive condition, serial monitoring is recommended. A recheck



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echocardiogram is recommended in 10-12 months. A sooner 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.

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Recommend obtaining a blood pressure on the patient to ensure it is <160mmHg. If the blood pressure is elevated recommend following ACVIM guidelines for systemic hypertension and treating if indicated.

BREED

Schnauzer

The cause of the patient's bradycardia is unknown, and an electrocardiogram is recommended to further evaluation to see what the underlying rhythm is. If the patient has truly a sinus bradycardia, can consider performing an atropine response test and then looking further into why the patient has elevated vagal tone if the patient has a positive atropine response.

SEX

Spayed Female

Recheck echo in 10 to 12 months, sooner if an arrhythmia is potentially identified on an electrocardiogram.

AGE

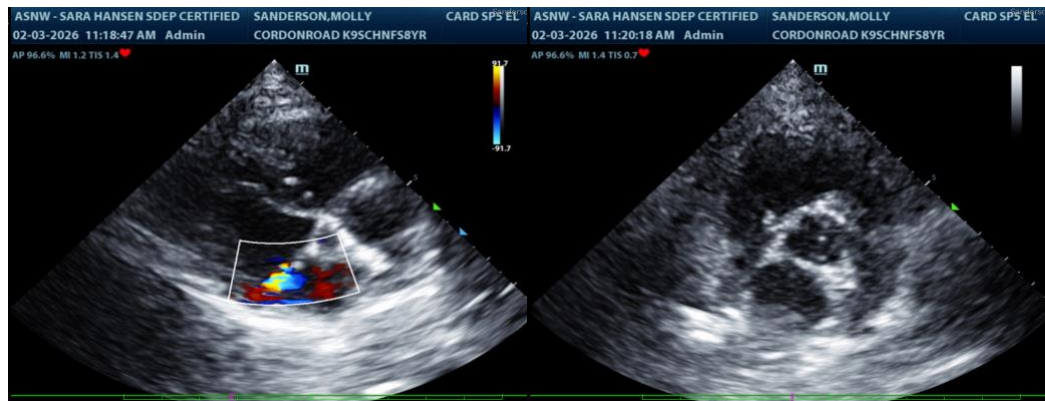
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

HOSPITAL NAME

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Veterinary Clinic

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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