



**PATIENT**

Freddie Ceyhan

**SPECIES**

Canine

**BREED**

Doberman

**SEX**

Neutered Male

**AGE**

3.5 Years

**WEIGHT**

44.5 kg

**INTERPRETED BY**

Sara Brethel, DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Dr. Iacovides

**HOSPITAL NAME**

Tuxedo AH

**REFERRING VET**

Dr. Buchanan

**INVOICE**

36266

**DATE**

3/16/26

**PRESENTING CLINICAL SIGNS**

History: Not sick owner gets yearly echocardiograms for breed screening for DCM

Abnormal PE/Chem/CBC/UA Results: BCS 6/9

**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	1.5	23.4	--	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	--	1.68	1.17	44.5	--	4.7	3.6

\*\*No other measurements were obtained.

**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 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**

- Structurally normal heart

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The heart is structurally normal. There is no evidence of dilated cardiomyopathy on the images provided. Recheck echo in another 10-12 months. Additionally, at that time, I would recommend starting Holter monitors in this patient. Can also consider genetic testing, evaluating for DCM 1 and 2



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through NCSU.

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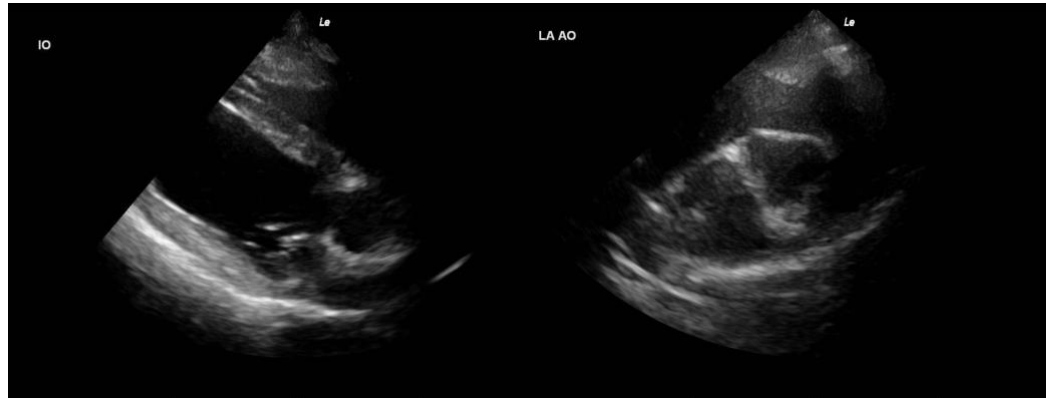
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

[info@SonoPath.com](mailto:info@SonoPath.com)