

PATIENT

Penny Tarver

SPECIES

Canine

BREED

Dachshund Mix

SEX

Spayed Female

AGE

12 Years

WEIGHT

17.7 kg

INTERPRETED BY

Camden Rouben DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Dr. Ethan Bloomer

HOSPITAL NAME

Echosound Veterinary
Mobile Imaging
Services

REFERRING VET

Dr. Karyn Waterman

INVOICE

16388

DATE

06/05/26

PRESENTING CLINICAL SIGNS

Patient recently presented for coughing. There was no murmur auscultated on exam, but radiographs showed an enlarged heart with a VHS of 12 and suspect dorsal displacement of the trachea. Owner elected to pursue echocardiogram to see if cardiac disease could be playing a role with the cough or radiograph findings. Patient is currently on Cerenia 3.4 mg/kg SID PRN for the cough which seems to be helping.

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	--	--	1.23	1.37	55.12	87.05	0.32
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	1.48	1.0	17.7	3.52	2.91	1.3

Cardiac Presentation

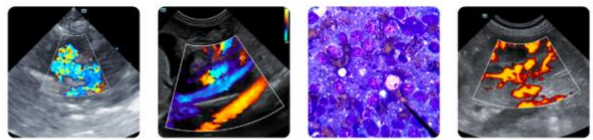
Based off of the images provided, the left atrial size is normal. The mitral valve leaflets are mildly thickened with no evidence of mitral regurgitation. The left ventricular internal dimensions during systole and diastole are within normal limits. The overall systolic function is normal. The aortic valve appears normal in structure and function. There is no evidence of aortic insufficiency. The aortic outflow velocities are within normal limits. The right atrial size subjectively appears normal. The tricuspid valve is also normal in morphology with no regurgitation. The right ventricle subjectively appears normal in structure and function. The pulmonic valve has normal morphology. There is no evidence of pulmonic insufficiency, and the outflow velocities of the pulmonic valve are within normal limits. There is no evidence of pericardial effusion or pleural effusion in the images provided.

ULTRASONOGRAPHIC FINDINGS

- Degenerative valve disease stage B1 with mild mitral valve thickening.

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Based off of the images provided, this patient has degenerative mitral valve disease stage B1 with no heart murmur. A recheck echocardiogram is not warranted unless the patient develops a heart murmur in the future. The cardiac structure and function is within normal limits. No cardiac medications are



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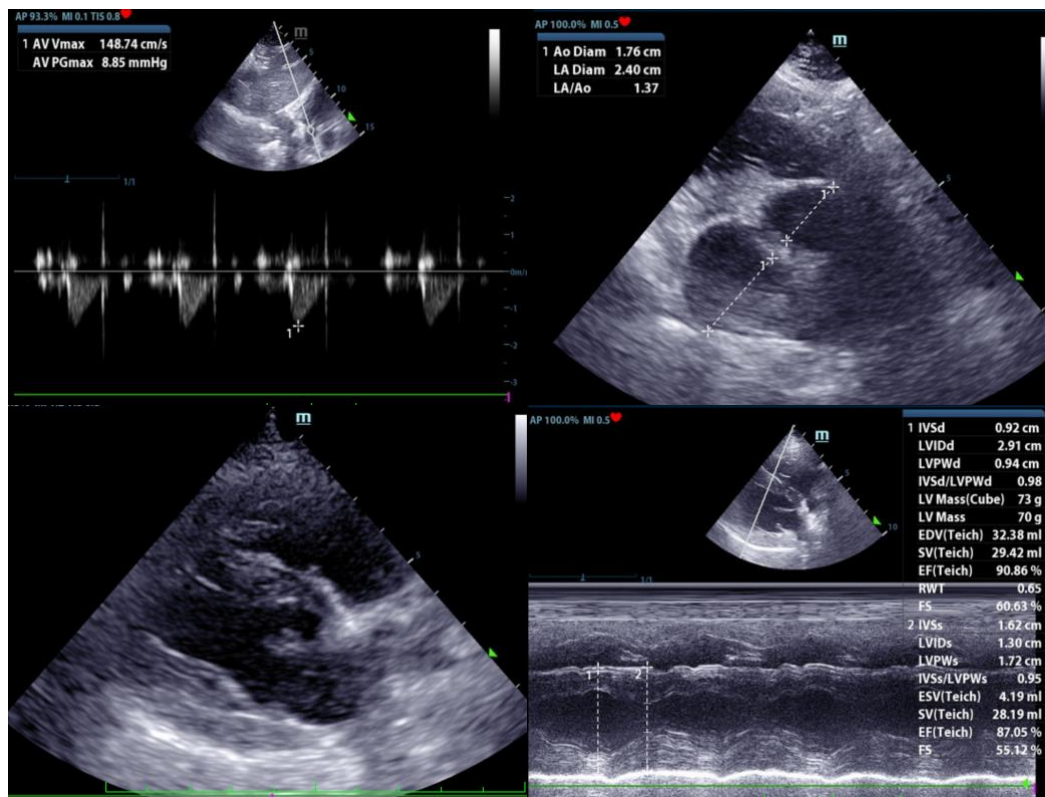
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warranted at this point in time. This patient should continue to be monitored on an annual basis for a heart murmur and an echocardiogram should be performed if a heart murmur is noted. The patient should also be monitored for increase in resting respiratory rate. If greater than 40 breaths per minute, then examination should be performed.



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)

info@SonoPath.com