

PATIENT

Daniel Webb

SPECIES

Canine

BREED

Spaniel Mix

SEX

Neutered Male

AGE

11 Years

WEIGHT

20 Pounds

INTERPRETED BY

Sara Brethel, DVM,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Julia Bakker, DVM

HOSPITAL NAME

Orange Blossom VI

REFERRING VET

Bruce McLaughlin,
DVM

INVOICE

36465

DATE

3/31/26

PRESENTING CLINICAL SIGNS

P has a Grade 2 out of 6 heart murmur, on Vetmedin 2.5mg giving 1 tablet by mouth every 12 hours.

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	5.9	--	Overest	1.36	54.54	--	--
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	--	1.64	0.75	9.09	3.45	3.3	1.5

Cardiac Presentation

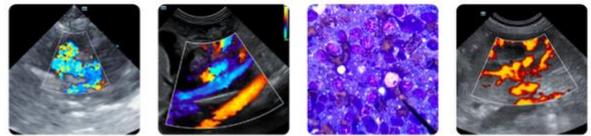
The mitral valve leaflets are mildly thickened with mild mitral regurgitation posteriorly directed. There is no prolapse of the mitral valve leaflets. The left atrial size is at the upper limits of normal on long axis images. Left ventricular internal dimensions during diastole are within normal limits 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.

ULTRASONOGRAPHIC FINDINGS

- Degenerative valve disease, ACVIM stage B-1
- Left atrium at the upper limits of normal

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient has degenerative valve disease, and based on the measurements, is classified as having stage B-1 disease, indicating that cardiac therapies are not needed at this stage. However, if the



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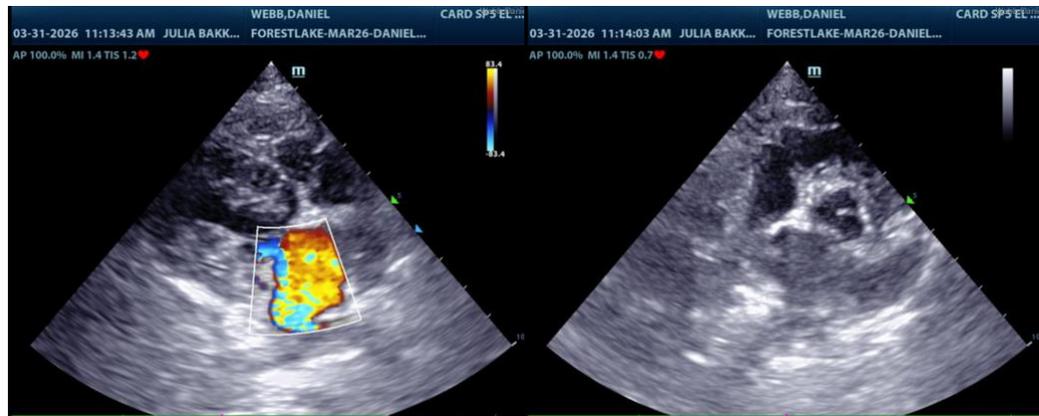
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patient has been on Vetmedin for a prolonged period of time, i.e. > 6 months, then I would recommend continuing this therapy. One lateral thoracic image was provided; cardiogenic pulmonary edema is not identified. If continuing with therapy, recheck echo is recommended in 10 -12 months. If stopping pimobendan due to the potential for heart to enlarge, I would recommend recheck echo 2-3 months after stopping pimobendan.



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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