

**PATIENT**

Paxton Berger

**SPECIES**

Canine

**BREED**

Golden Retriever

**SEX**

Spayed Female

**AGE**

14 Years

**WEIGHT**

55.9 pounds

**INTERPRETED BY**

Sara Brethel DVM,  
 DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Andrea Nicastro DVM,  
 DACVIM

**HOSPITAL NAME**

WA

**REFERRING VET**

Dr. McCalla

**INVOICE**

14054

**DATE**

03/04/26

**PRESENTING CLINICAL SIGNS**

- 2/6 murmur
- Follow up echo - diagnosed with stage B1 DVD, PI, pulm artery dilation
- Hypothyroid
- On thyro-tabs, Rimadyl

**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	~4.0	~3.0	1.14	1.26	48.57	--	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	~1.0	~1.0	25.4	--	3.5	1.8

**Cardiac Presentation**

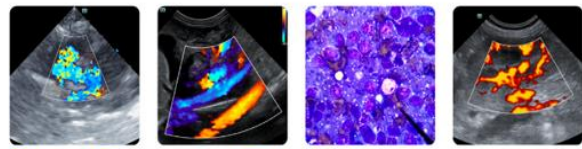
The mitral valve leaflets are mildly thickened with mild mitral regurgitation posteriorly directed. There is **no** prolapse of the mitral valve leaflet. The left atrial size is normal. Left ventricular internal dimensions during diastole are within normal limits and systolic function is preserved in 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 mild evidence of pulmonary hypertension based upon tricuspid regurgitant velocities. The right ventricle subjectively appears normal in structure and function. The pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is trace evidence of aortic insufficiency. There is mild to moderate pulmonic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear dilated. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ULTRASONOGRAPHIC FINDINGS**

- Degenerative valve disease ACVIM stage B1 mitral and tricuspid.
- Dilated pulmonary artery with pulmonic insufficiency- no evidence of pulmonary hypertension.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient remains to have degenerative valve disease, ACVIM stage B1. No additional cardiac



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therapies are recommended. Recommend ensuring patient is heartworm negative and up to date on heartworm prevention. Recheck echo is recommended 9-12 months, sooner if cardiovascular clinical signs are developing or the patient's murmur is worsening in intensity.

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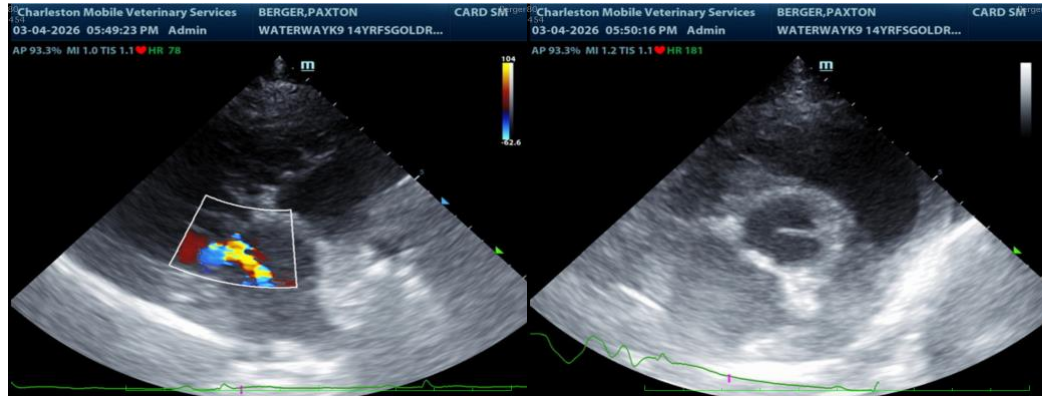
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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)

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