



PATIENT

Billy Priem

SPECIES

Canine

BREED

Chihuahua Mix

SEX

Neutered Male

AGE

12 Years

WEIGHT

16.6 Pounds

INTERPRETED BY

Sara Brethel, DVM,
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Sara Hansen

HOSPITAL NAME

Santa Clara AH

REFERRING VET

Dr. Pappas

INVOICE

36692

DATE

4/22/26

PRESENTING CLINICAL SIGNS

Clinical Exam Findings: PE presented for annual wellness. III/VI LAS murmur (previously auscultated at V/VI Feb of 2025). Has been on pimobendan 1.25mg PO BID since Feb 2025; asymptomatic.

ABNORMAL Labwork Values: CBC: neut 11.238, mono 1.16, Chem: phos 1.8, ck 660, Rest WNL, For ECHO Only: Blood Pressure: performed at echo, HR/RR/BP: 140/24, Is there a Heart Murmur? If so, please grade: III/VI LAS, Current Medications: Pimobendan 1.25mg PO BID, Notes to Specialist (if any) Echo performed Feb 2025 with ASNW

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	6.65	--	1.05	1.56	57.18	--	0.16
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	1.6	1.21	7.54	2.88	3.2	1.37

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 mildly increased. Left ventricular internal dimensions during diastole are normal but meet EPIC criteria 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-2



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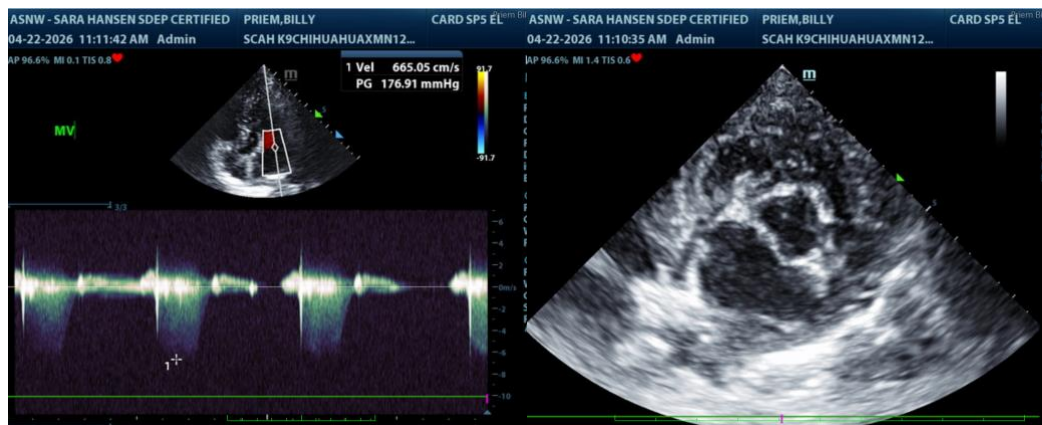
INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

The patient continues to have B-2 degenerative valve disease. Recommend optimizing the patient's pimobendan therapy and increasing it to a total dose of 1.875 mg twice daily. This is ¾ of a 2.5 mg tablet, or alternatively 1.5 tablets of 1.25 mg tablets.

The client should start monitoring respiratory rate and effort at home if not already doing so. The resting respiratory rate should be < 35-40 breathes/minute when the patient is resting or sleeping. If the breathing rates are increasing, then chest radiographs are recommended.

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.

As long as the patient continues to do well clinically, a recheck echocardiogram is recommended in 10-12 months.



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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