



**PATIENT**

Anne Brawley

**SPECIES**

Canine

**BREED**

Coton de Tulear

**SEX**

Spayed Female

**AGE**

11 Years 3 Months

**WEIGHT**

20 Pounds

**INTERPRETED BY**

Sara Brethel, DVM,  
 DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Ho Ho Kus VCA

**REFERRING VET**

Dr. Gannon

**INVOICE**

37328

**DATE**

6/4/26

**PRESENTING CLINICAL SIGNS**

History: Echo gr 2-3/6 asymptomatic, here for excessive panting and elev. alp  
 Meds- pimo. Abnormal PE/Chem/CBC/UA Results: alp-517 all else wnl

**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)
<b>NORMAL PARAMETER</b>	4.5-5.5	<2.7	1.3	Up to 1.6	28-40	40-100	<0.6
<b>PATIENT</b>	~6.0	--	NM	1.74	64.18		0.1
CANINE CARDIAC PARAMETERS	HR (The mitral valve leaflets)	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)
<b>NORMAL PARAMETER</b>	50-100	0.7-1.7	0.7-1.6				
<b>PATIENT</b>	138	~2.0	~1.0	9.1	3.7	3.35	1.2

**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 moderately increased. 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 B2
- Moderate left atrial enlargement

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

The patient has degenerative valve disease, ACVIM stage B2 with moderate left atrial enlargement. I



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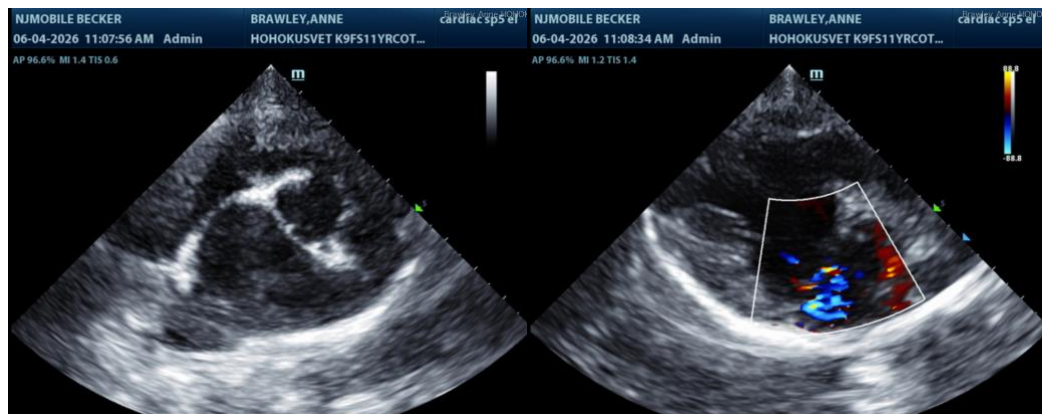
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recommend continuing pimobendan therapy at a dose of 0.27 - 0.32 mg/kg twice daily. If there is concern for a cardiac cause of the excessive panting, chest radiographs are recommended. However, based upon the echo images provided, left atrial pressures do not appear increased. A recheck echo is recommended in 6-12 months, sooner if the patient is developing cardiovascular clinical signs.

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.

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.



**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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