


**PATIENT**

Bailey Newman

**PRESENTING CLINICAL SIGNS**

 History: Recheck echo. Doing well. Increase in cough and panting. Heart murmur.  
 -Current medications: Omega, Vetmedin 2.5BID and Nexgard.  
 -Pertinent previous echo findings (3/2022 MML): Moderate MR, moderate LAE, mild LVE, mild TR, mild PAH: 3.0m/s. LA: 2.5, LV: 3.6.

**SPECIES**

Canine

**ECHOCARDIOGRAM FINDINGS**

2D, m-mode, color flow and doppler imaging is available. Mild thickening of mitral valve leaflets (anterior&gt;posterior) with mild prolapse into the left atrial lumen. Moderate eccentric mitral regurgitation with moderate left atrial dilation. Normal MR velocity. Mildly increased LV diameter with hyperdynamic myocardial function. The tricuspid valve appears mildly thickened with mild tricuspid regurgitation. Normal right atrial and ventricular diameter. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac tumors observed.

**BREED**

Cavalier

**SEX**

Male Neutered

**AGE**

11 years

**CARDIAC CHART**
**WEIGHT**

18.4lbs

CANINE CARDIAC PARAMETERS	MR VMAX (m/s)	TR VMAX (m/s)	LA/AO (Boon method)	LA/AO (Heart Base; Swe)	FS (%)	EF (%)	EPSS (cm)
NORMAL PARAMETER	4.5-5.5	<2.7	1.3	<1.6	28-40	40-100	<0.6
PATIENT	5.5	NM	1.8	1.8	42	74	0.3
CANINE CARDIAC PARAMETERS	HR (BPM)	AV VMAX (m/s)	PV MAX (m/s)	BODY WEIGHT (kg)	LA 2D short axis Base view (cm)	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	BELOW	BELOW	BELOW	BELOW
PATIENT	150	1.1	0.74	8.3	2.7	3.4	2.0
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
<b>BODY WEIGHT DEPENDENT PARAMETERS</b>				5	1.40 (4.5)	2.74 (5.2)	1.60 (4.7)
<i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i>				10	1.50 (3.8)	3.27 (3.5)	2.06 (3.1)
				15	1.83 (2.0)	3.71 (2.4)	2.43 (2.1)
				20	2.02 (1.9)	4.14 (2.2)	2.80 (2.0)
				25	2.18 (2.4)	4.48 (2.9)	3.10 (2.5)
				30	2.33 (3.3)	4.83 (3.9)	3.39 (3.4)
				35	2.48 (4.3)	5.17 (5.0)	3.69 (4.5)
				40	2.62 (5.2)	5.48 (6.1)	3.96 (5.4)
				50	2.88 (7.1)	6.07 (8.3)	4.46 (7.4)

**INTERPRETED BY**

 Maggie Machen Lamy,  
 DVM DACVIM  
 (Cardiology)

**IMAGING PERFORMED BY**

Crystal Hill, RVT

**HOSPITAL NAME**

 The Maples Animal  
 Hospital

**REFERRING VET**

Dr. Kazienko

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**

Chronic degenerative valve disease persists with evidence of stability. Moderate mitral and mild tricuspid regurgitation are unchanged and the left heart dimensions are stable. No additional issues are identified.

**INVOICE**

24676

**DATE**

6/8/22

Given these findings, it is reasonable to continue Pimobendan lifelong. Continued assessment of progression in the future will help predict long term outcome, however prognosis is guarded at this stage (B2).



## PATIENT

Bailey Newman

The cough is likely multifactorial in origin; however, CXR are strongly recommended to sign for signs of decompensation. If no obvious cause is identified, hydrocodone may be beneficial for QOL.

## SPECIES

Canine

Omega fatty acid supplementation and mild salt restriction may also be of some long-term benefit. Monitor for development of a progressive cough, labored breathing, exercise intolerance or collapse episodes.

## BREED

Cavalier

Anesthetic risk is considered mildly elevated. Cardiac protective drug choices (opioid/benzodiazepine premedication, Propofol or alfaxalone induction, iso or sevo gas) are recommended. Monitor for arrhythmias, hypotension, and hypoxia both intra and post-operatively and intervene as necessary. Judicious IV fluid rates are recommended to avoid fluid overload. Avoid heart rate stimulating drugs such as atropine unless clinically indicated.

## SEX

Male Neutered

## AGE

11 years

## PLAN

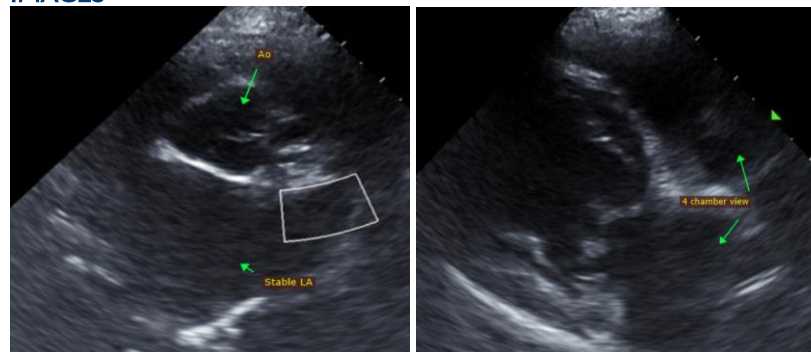
Baseline BP and CXR recommended. Continue Pimobendan as prescribed.

Recommend monitor for progression with a recheck echocardiogram in 6 months, sooner if any development of clinical signs.

## WEIGHT

18.4lbs

## IMAGES



## INTERPRETED BY

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

## IMAGING PERFORMED BY

Crystal Hill, RVT

## HOSPITAL NAME

The Maples Animal  
Hospital

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

## REFERRING VET

Dr. Kazienko

Thank you for this referral. This report was generated using transcription software, and minor dictation errors may be present. If the clinical or image interpretation does not parallel your findings or if I can be of any further assistance, please contact me.

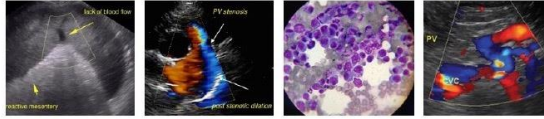
## INVOICE

24676

**Maggie Machen Lamy, DVM**  
Diplomate of the American College of Veterinary Internal Medicine (Cardiology)  
info@sonopath.com

## DATE

6/8/22



**PATIENT**

Bailey Newman

**SPECIES**

Canine

**BREED**

Cavalier

**SEX**

Male Neutered

**AGE**

11 years

**WEIGHT**

18.4lbs

**INTERPRETED BY**

Maggie Machen Lamy,  
DVM DACVIM  
(Cardiology)

**IMAGING  
PERFORMED BY**

Crystal Hill, RVT

**HOSPITAL NAME**

The Maples Animal  
Hospital

**REFERRING VET**

Dr. Kazienko

**INVOICE**

24676

**DATE**

6/8/22