



PATIENT

Benjamin Constantino

SPECIES

Canine

BREED

Maltipoo

SEX

Male Neutered

AGE

11 years

WEIGHT

11.7lbs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Kelly Vazquez, CVT

HOSPITAL NAME

Animal General on
Hudson

REFERRING VET

Dr. K

INVOICE

28418

DATE

1/18/23

PRESENTING CLINICAL SIGNS

History: Recheck echo.

-Current medications: Spironolactone 25mgs 1/4 BID, Vetmedin 1.25mgs 1 tab BID, furosemide 12.5mgs 1/2 tab BID, sildenafil 20 mg 1/4 tab BID.

-Pertinent previous echo findings (MML 10-2022): severe MR, severe LAE, mild LVE, mild RHE, mod PAH, severe TR; 3.5m/s, FS 42, LV 3.6/2.1, LA 2.9

ECHOCARDIOGRAM FINDINGS

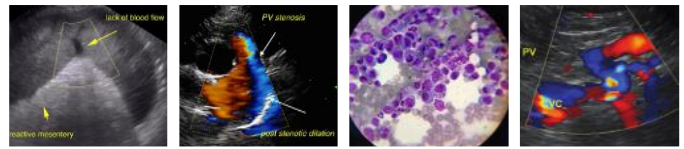
2D, m-mode, color flow and doppler imaging is available. The mitral valve is thickened with minimal prolapse into the left atrial lumen. There is severe eccentric mitral regurgitation present. There is marked left atrial enlargement. There is mild left ventricular dilation. Left ventricular systolic function is adequate. There is normal systolic flow velocity across the aortic valve. The aortic valve appears thickened yet trileaflet with normal mobility. The main pulmonary artery is mildly dilated. Mild right atrial and ventricular dilation. The tricuspid valve is thickened with septal prolapse and severe tricuspid regurgitation. Velocity consistent with moderate pulmonary hypertension. No pulmonic or aortic insufficiency. No pericardial or pleural effusion identified. Early hepatic congestion suspected. No cardiac masses are seen.

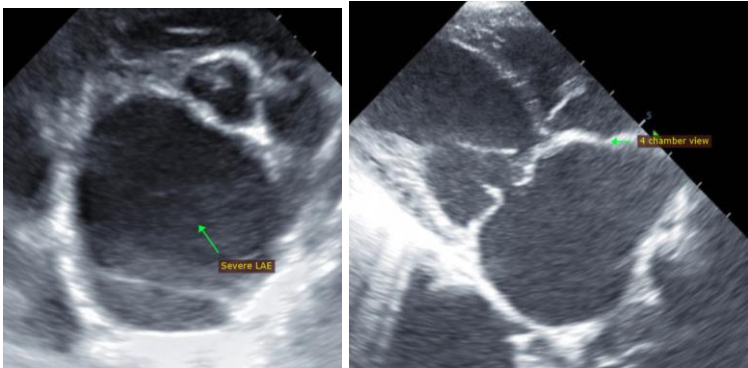
CARDIAC CHART

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	6.0	3.5	2.5	2.8	34	64	0.2
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	106	1.4	0.64y	5.3	3.4	3.7	2.5
*Normal chamber parameters expressed as a mean value (SD)				3	1.27 (5.3)	2.46 (2.46)	1.36 (5.5)
BODY WEIGHT DEPENDENT PARAMETERS				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)

INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS

Chronic degenerative valve disease persists with overall stability. The LA is now markedly dilated; however, the remainder of the exam is unchanged. Moderate PAH persists with right heart enlargement. No additional issues are identified.



PATIENT	Given no reported symptoms, no change to the current medications is warranted at this time. If any change in RR/RE, repeat CXR and up-titration of Lasix is necessary. Hydrocodone can be utilized for any residual cough in the face of normal breathing rates.
Benjamin Constantino	
SPECIES	Omega fatty acid supplementation and mild salt restriction may also be of some long-term benefit. Monitor for development of a worsening cough, labored breathing, exercise intolerance or worsening collapse episodes. Monitoring of sleeping breathing rates is recommended as the best way to screen for progression to CHF at home. Unfortunately, there is high risk for spontaneous CHF, worsening cough and/or malignant arrhythmias and sudden death in the future. The prognosis with this degree of disease is poor, with most dogs able to maintain a good QOL on medications for an average of 8-12 months.
Canine	
BREED	
Maltipoo	
SEX	Elective anesthesia is not advised.
Male Neutered	
AGE	PLAN
11 years	Continue 4 medications as prescribed. If any respiratory issues, up-titrate Lasix.
WEIGHT	Recheck renal values and BP every 3-4 months on diuretic therapy.
11.7lbs	A recheck echocardiogram is recommended in 6 months to screen for progression, sooner if clinical signs arise.
INTERPRETED BY	IMAGES
Maggie Machen Lamy, DVM, DACVIM (Cardiology)	
IMAGING PERFORMED BY	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.
Kelly Vazquez, CVT	
HOSPITAL NAME	
Animal General on Hudson	
REFERRING VET	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.
Dr. K	
INVOICE	Maggie Machen Lamy, DVM
28418	Diplomate of the American College of Veterinary Internal Medicine (Cardiology) info@sonopath.com
DATE	
1/18/23	