



PATIENT

Cal Lipset

SPECIES

Canine

BREED

Poodle

SEX

Male Neutered

AGE

5 years

WEIGHT

79lbs; 35.8kgs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Melissa Weisman, DVM

HOSPITAL NAME

Minnesota Veterinary
Ultrasound

REFERRING VET

Dr. Weisman

INVOICE

24422

DATE

5/25/22

PRESENTING CLINICAL SIGNS

History: Recheck echo. Persistent grade 2/6 heart murmur. Doing well.
-Current Medications: Taurine: 100mg po BID, Bayer Omega, Fatty Acids: 1880mg daily.
-ECG report: NSR with APCs.
-Pertinent previous echo findings (11/2021 MML): CVD B1 with mild dysfunction; FS 24

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Mild MV thickening with no obvious prolapse into the left atrial lumen. Mild eccentric mitral regurgitation. Normal velocity. Mild to moderate left atrial dilation. Mild LV dilation with increased sphericity. Mildly decreased myocardial function. The tricuspid valve appears subjectively normal, with no TR. Normal right atrium and ventricle. No overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities; laminar flow. No aortic or pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac or extra-cardiac tumors identified.

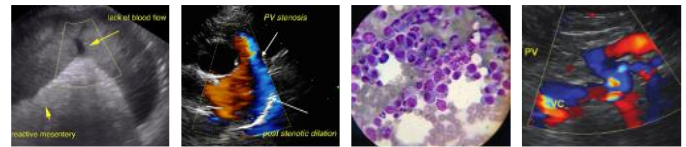
CARDIAC CHART

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	5.1	NA	NM	1.5	24	40	NM
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	88	1.3	0.7	35.8	3.75	5.3	4.0
*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 evidence of progression. While the mitral leak remains mild, the LA and LV are both progressively dilated. This may reflect a primary myocardial issue, given LV dysfunction. The fractional shortening is similar between studies, which is difficult to explain. Regardless, no additional issues are noted in this study.

Given progressive left heart enlargement, Pimobendan is recommended as below. Prognosis is guarded at this stage (B2) with risk for progression going forward.



PATIENT

Cal Lipset

These findings may or may not explain APCs and follow up/treatment should be dictated by the ECG report.

SPECIES

Canine

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

BREED

Poodle

Anesthetic risk is considered mild. Cardiac protective drug choices (opioid/benzodiazepine premedication, propofol or alfaxalone induction, isoflurane gas) are recommended. Pre-oxygenate for 5-10 minutes prior to induction. Monitor for arrhythmias, hypotension, and hypoxia both intra and post-operatively and intervene, as necessary. Mild IV fluid restriction is recommended to avoid fluid overload. Avoid heart rate stimulating drugs such as atropine unless clinically indicated.

SEX

Male Neutered

PLAN

Continue taurine supplement as previously prescribed. Institute Pimobendan 0.3mg/kg PO q12h.

AGE

5 years

Recommend conservative monitoring with a recheck echocardiogram in 6-12 months, sooner if any development of clinical signs.

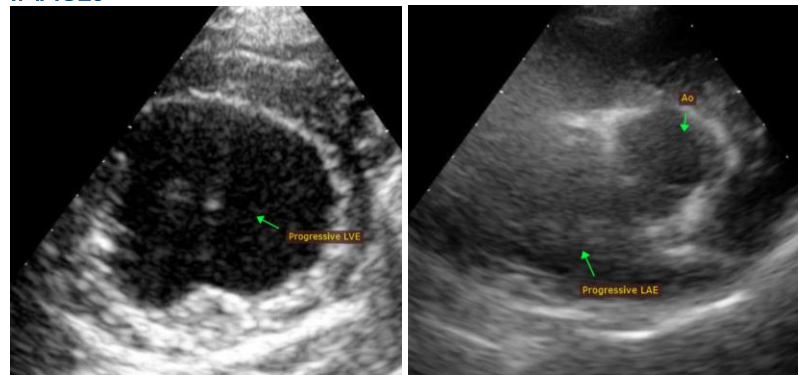
WEIGHT

79lbs; 35.8kgs

IMAGES

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)



IMAGING PERFORMED BY

Melissa Weisman, DVM

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.

HOSPITAL NAME

Minnesota Veterinary
Ultrasound

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.

REFERRING VET

Dr. Weisman

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

INVOICE

24422

DATE

5/25/22



PATIENT

Cal Lipset

SPECIES

Canine

BREED

Poodle

SEX

Male Neutered

AGE

5 years

WEIGHT

79lbs; 35.8kgs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

**IMAGING
PERFORMED BY**

Melissa Weisman, DVM

HOSPITAL NAME

Minnesota Veterinary
Ultrasound

REFERRING VET

Dr. Weisman

INVOICE

24422

DATE

5/25/22