



PATIENT

Cooper Kelsey

SPECIES

Canine

BREED

Whippet

SEX

Male Neutered

AGE

12 years

PRESENTING CLINICAL SIGNS

History: Recheck echo. This dog is suffering from chronic diarrhea and marked weight loss; is now cachectic. Abdominal ultrasound performed in March showed perintestinal reactive fat, duodenitis, and hepatic congestion.

-Current medications: Pimobendan 5mg in am and 2.5mg in pm and tylosin powder 1/8th tsp on food SID.

-Pertinent previous echo findings (10/21 MML): Moderate MR, moderate LAE, mild LVE, no TR. LA: 3.6, LV: 4.9.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Diffuse thickening of mitral valve leaflets with no prolapse into the left atrial lumen. Moderate eccentric mitral regurgitation with moderate left atrial dilation. Normal MR velocity. Moderately increased LV diameter with adequate myocardial function. The tricuspid valve appears normal with no tricuspid regurgitation. Normal right atrial and ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic and aortic outflow velocities with laminar flow. No aortic or no pulmonic insufficiency. No pericardial or pleural effusion noted. No obvious cardiac masses.

CARDIAC CHART

WEIGHT

35lbs; 15.9kgs

INTERPRETED BY

Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

IMAGING PERFORMED BY

Melissa Weisman, DVM

HOSPITAL NAME

Minnesota Veterinary
Ultrasound

REFERRING VET

Dr. Weisman

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	5.2	NA	NM	1.8	49	90	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	97	1.2	0.8	15.9	3.5	4.5	2.3
*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 continued stability. The left heart dimensions are unchanged and moderate MR persists. No additional issues, such as LV dysfunction are identified in this study.

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24281

DATE

5/18/22



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Given these findings, no change to the medications are recommended. Continue Pimobendan as prescribed. Cachectic is more likely to be due to GI disease; however, chronic structural disease as we see here, can certainly have some contributing factor.

SPECIES

Canine

Anesthetic risk remains mild. Cardiac protective drug choices (opioid/benzodiazepine premedication, propofol induction, etc.) 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.

BREED

Whippet

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

SEX

Male Neutered

Prognosis remains guarded at this stage (B2), with risk for progression to CHF, development of arrhythmias, and/or sudden death in the future.

AGE

12 years

PLAN

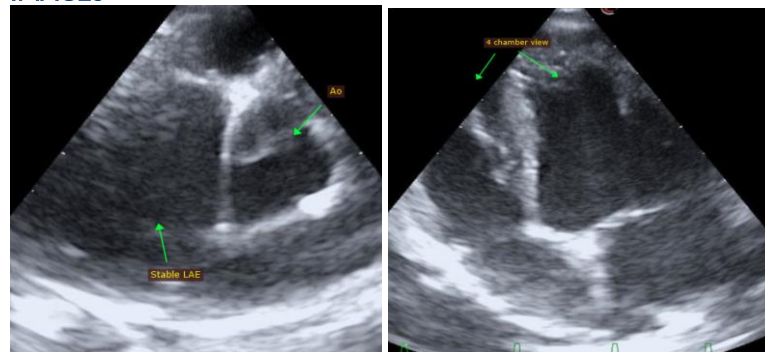
Continue Pimobendan as prescribed.

WEIGHT

35lbs; 15.9kgs

Recommend conservative monitoring with a recheck echocardiogram in 6-8 months, sooner if any development of clinical signs.

IMAGES



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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. Weisman

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.

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DATE

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