


PATIENT

Prince Yulico

SPECIES

Canine

BREED

Japanese Chin

SEX

Male Neutered

PRESENTING CLINICAL SIGNS

History: Recheck echo. Asymptomatic.

-Current medications: Vetmedin (0.3ml orally twice daily 5mg/ml).

-Pertinent previous echo findings (7/2021 MML): mod MR, mild to mod LAE, no TR; LA 2.2, LV 2.7

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and doppler imaging is available. Diffuse thickening of mitral valve leaflets (anterior>posterior) with mild prolapse into the left atrial lumen. Moderate eccentric mitral regurgitation with mild left atrial dilation. Normal MR velocity. Borderline LV diameter with adequate myocardial function. The tricuspid valve appears normal with no obvious tricuspid regurgitation. Normal right atrial and ventricular diameter. The pulmonic and aortic valves are normal in morphology and mobility. Normal pulmonic outflow velocities. No aortic and trival pulmonic insufficiency. No pericardial or pleural effusion noted. No cardiac masses.

CARDIAC CHART
AGE

13 years

WEIGHT

10.8lbs

INTERPRETED BY

 Maggie Machen Lamy,
 DVM, DACVIM
 (Cardiology)

IMAGING
PERFORMED BY

Travis Cerf, DVM

HOSPITAL NAME

 Veterinary Center of
 Hardyston

REFERRING VET

Dr. Cerf

INVOICE

25359

DATE

7/15/22

| 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 | 5.7 | NM | NM | 1.4 | 50 | 94 | 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 | NM | NM | 0.9 | 4.9 | 1.8 | 2.8 | 1.4 |
| *Normal chamber parameters expressed as a mean value (SD) | | | | | | | |
| BODY WEIGHT DEPENDENT PARAMETERS | | | | | | | |
| <i>*Note: All measurements based upon multi-modal images and methods. An average value is reported.</i> | | | | | | | |
| Adapted from June Boon, Veterinary Echocardiography, 1998 | | | | | | | |
| Rishniw M and Hollis NE, J Vet Intern Med 2000; 14:429-435 | | | | | | | |
| Hansson et al, Vet Rad and Ultrasound 2002 | | | | | | | |
| Bonagura et al. Echocardiography: principles of interpretation, Vet Clin North Am 15:1177, 1995 | | | | | | | |
| | | | | 3 | 1.27 (5.3) | 2.46 (2.46) | 1.36 (5.5) |
| | | | | 5 | 1.40 (4.5) | 2.74 (5.2) | 1.60 (4.7) |
| | | | | 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 without evidence of progression. Moderate mitral regurgitation is unchanged, with stable to slightly improved left heart dimensions. No additional issues are identified.

Given these findings, continued Pimobendan is recommended as prescribed with no obvious indication for additional medications. Continued assessment of progression in the future will help predict long term outcome, however prognosis is guarded at this stage (B2).



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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.

SPECIES

Canine

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.

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PLAN

Continue Pimobendan.

Recommend monitor for progression with a recheck echocardiogram in 6-8 months, sooner if any development of clinical signs.

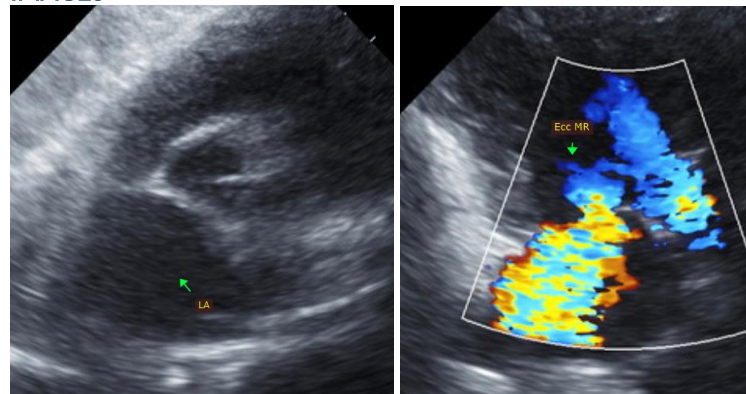
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IMAGES

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Maggie Machen Lamy,
DVM, DACVIM
(Cardiology)

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.

IMAGING PERFORMED BY

Travis Cerf, DVM

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.

HOSPITAL NAME

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Hardyston

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