

PATIENT

Chloe Brennan

SPECIES

Canine

BREED

Cavalier

SEX

Female Spayed

AGE

9.5 years

WEIGHT

16.1lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

VCA Hanson

REFERRING VET

Dr. Oscar

INVOICE

32092

DATE

8/2/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B2. Doing well at home on Pimobendan 5mg, 1/2 tab in AM and 1/4 tab in PM. On BW elevated ALP (339).

-Pertinent previous echo findings (8/2022 MML): Moderate to severe MR, moderate LAE, mild LVE, moderate TR: 2.5m/s. LA: 3.2, LV; 3.5.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

Left ventricle: The LV diameter is mildly increased with hyperdynamic function. LV wall thicknesses are normal.

Left atrium: The left atrium is moderately dilated.

Mitral valve: The mitral valve is diffusely thickened with mild prolapse into the left atrial lumen. Moderate to severe eccentric mitral regurgitation with a normal velocity.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

Right ventricle: Normal right ventricular diameter and morphology indicating no overt evidence of pulmonary arterial hypertension.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears mildly thickened with moderate tricuspid regurgitation. Normal velocity.

Pulmonic valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 150bpm.

2-Dimensional Measurements

Ao diam (cm)	1.9
LA diam (cm)	3.3
LA:Ao (Swe)	1.75
IVS thickness (cm)	0.6
LVID diastole (cm)	3.8
PW thickness (cm)	0.7
LVID systole (cm)	1.6
FS (%)	58

Doppler Measurements

PV Vmax (m/s)	0.5
AoV Vmax (m/s)	0.94
MR Vmax (m/s)	5.7
TR Vmax (m/s)	2.6
TR PG (mmHg)	26

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings are similar. Moderate to severe mitral and tricuspid regurgitation are unchanged without progressive right or left heart enlargement. No concurrent issues, such as pulmonary hypertension have developed.

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

RECOMMENDATIONS

- Continue Pimobendan 0.3mg/kg PO q12h.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.



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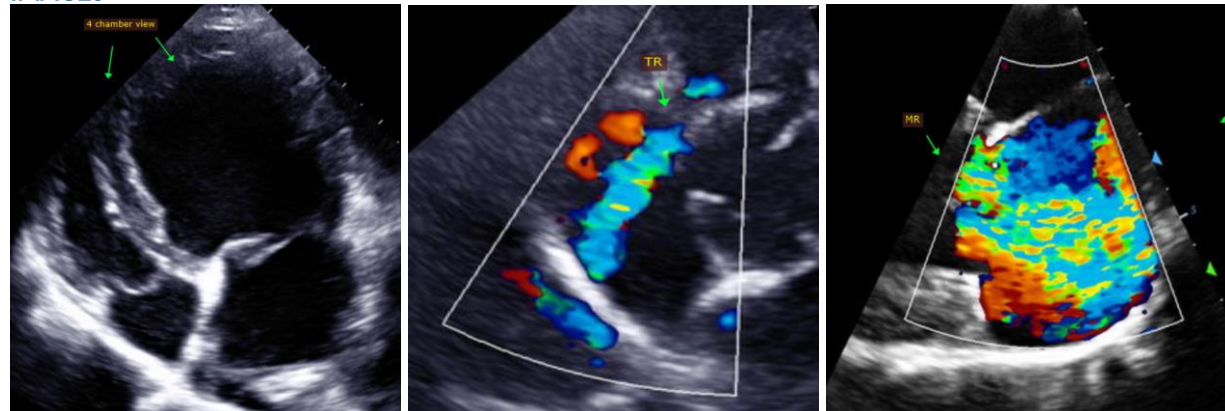
8/2/23

- Anesthetic risk is considered mild if needed. 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.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

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

IMAGES



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.

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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Echocardiogram performed by: Pamela Harrigan, RDCS
 Pet Animal Ultrasound Service (4paus.com)