



PATIENT

Colby Drabick

SPECIES

Canine

BREED

Shih Tzu

SEX

Male Neutered

AGE

12 years

WEIGHT

12.7lbs

PRESENTING CLINICAL SIGNS

History: Grade IV/VI systolic murmur. No coughing; good appetite; normal energy. Previous vet started Pimobendan 1.25mg BID and Clopidogrel 75mg 1/4 SID.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is mildly dilated.

Mitral valve: The mitral valve is diffusely thickened with mild prolapse into the left atrial lumen. Moderate 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 mild 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 80bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.4
LA diam (cm)	1.9
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.76
LVID diastole (cm)	2.4
PW thickness (cm)	0.78
LVID systole (cm)	1.1
FS (%)	55

Doppler Measurements

PV Vmax (m/s)	0.74
AoV Vmax (m/s)	1.3
MR Vmax (m/s)	6.3
TR Vmax (m/s)	2.0
TR PG (mmHg)	16

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

East Boston Animal
Hospital

REFERRING VET

Dr. Chopra

INVOICE

22280

DATE

12/5/21

INTERPRETATION OF THE FINDINGS

The cause of the murmur is chronic degenerative valve disease causing moderate mitral and mild tricuspid regurgitation. Lack of significant left atrial enlargement indicates the current risk for complication is low. No concurrent issues such as systolic dysfunction or pulmonary hypertension are noted in this study. Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1).

Given mild disease, no obvious indication for Pimobendan at this time. Even with severe disease, plavix is not indicated in dogs in the absence of primary hematologic issues, and can be safely discontinued.

RECOMMENDATIONS

- In a dog without significant left atrial enlargement, no cardiac medications are clearly indicated. No obvious indication to continue Plavix or Pimobendan.



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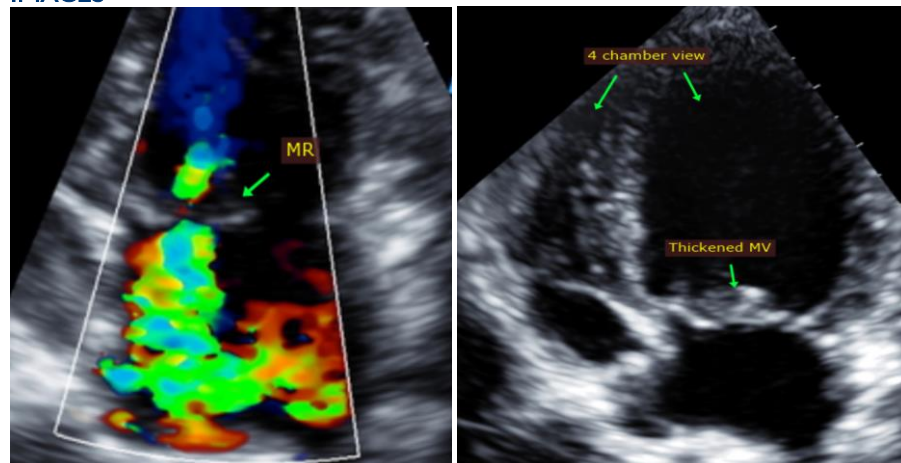
12/5/21

- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- 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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