



PATIENT

Oreo Doyle

SPECIES

Canine

BREED

Whippet

SEX

Female Intact

AGE

5 years

WEIGHT

32.4lbs

PRESENTING CLINICAL SIGNS

History: Referred for evaluation of a heart murmur heard when presenting for spay last month. Doing well with no coughing or dyspnea. Good appetite and great energy level. CV/RESP: NSR, grade II/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 110-120mmHg. No medications.

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 mildly thickened with no prolapse into the left atrial lumen. Mild mitral regurgitation with a normal velocity.

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Mildly elevated 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 normal with no tricuspid regurgitation.

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 170bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.9
LA diam (cm)	2.6
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.9
LVID diastole (cm)	3.6
PW thickness (cm)	0.9
LVID systole (cm)	2.5
FS (%)	31

Doppler Measurements

PV Vmax (m/s)	1.4
AoV Vmax (m/s)	2.4
MR Vmax (m/s)	6.5
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

INTERPRETATION OF THE FINDINGS

The cause of the murmur is chronic degenerative valve disease causing mild mitral regurgitation. Lack of significant left atrial enlargement indicates the current risk for complication is low. A mildly elevated aortic outflow velocity is noted, which is a benign finding which may contribute to murmur intensity. No concurrent issues such as pulmonary hypertension are noted in this study.

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1).

INVOICE

20898

DATE

9/7/21

RECOMMENDATIONS

- In an asymptomatic dog without significant left atrial enlargement, no cardiac medications are clearly indicated.
- 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



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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.

SPECIES
Canine

- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

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Whippet

PLAN

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

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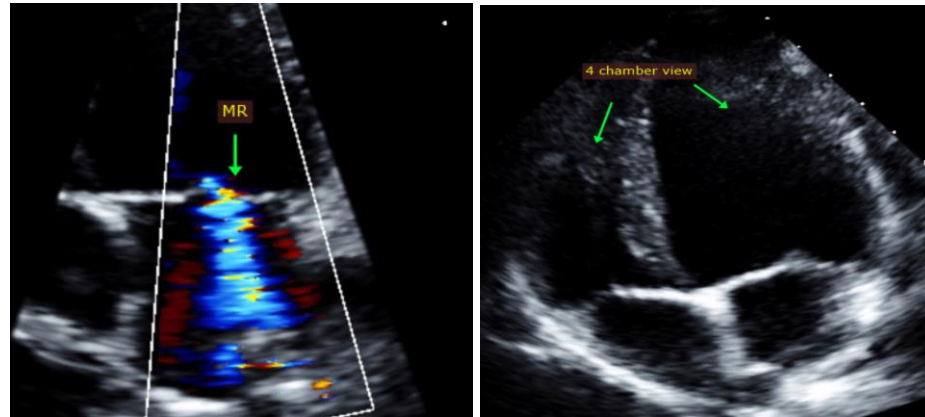
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IMAGES



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.

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

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

Mass Veterinary
Specialty Services

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

REFERRING VET

Dr. Masloski

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

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