



PATIENT

Ruby Senecal

SPECIES

Canine

BREED

Mastiff

SEX

Female Spayed

AGE

6 years

WEIGHT

121lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

PRESENTING CLINICAL SIGNS

History: Recheck echo. History left ventricular hypertrophy assumed to be secondary to systemic hypertension (BP at that time was 210 mmHg). Presently, Ruby has had some exercise intolerance noted in the past week. The owner feels she is having some labored breathing. Ruby is eating well. On exam: NSR, no murmurs noted, PSS, lung fields harsh on inspiration, mm pink, moist, CRT<2. BP: 120 mmHg x 3. Current medications: 1) Apoquel 16mg 1 tab daily 2) Enalapril 20mg 1.5 tabs twice a day 3) Amlodipine 5mg 1 tab twice a day 4) coconut oil *Sedated with propofol for study.

-Pertinent previous echo findings (10/11/22 MML): LA 3.0 cm; LA:Ao 1.2; LV 3.6 cm; normal chamber dimensions; mild-moderate LVH with normal systolic function.

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 mildly increased.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is normal with trivial MR.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity. 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 trace tricuspid regurgitation. Normal velocity.

Pulmonic valve/Pulmonary artery: The pulmonic valve is normal in morphology and mobility. Trace pulmonic insufficiency. Normal RVOT velocity; laminar flow.

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

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

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Services

REFERRING VET

Dr. Masloski

INVOICE

29153

DATE

2/21/23

2-Dimensional Measurements

Ao diam (cm)	2.5
LA diam (cm)	3.0
LA:Ao (Swe)	1.2
IVS thickness (cm)	1.5
LVID diastole (cm)	3.6
PW thickness (cm)	1.5
LVID systole (cm)	2.5
FS (%)	31

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	1.3
MR Vmax (m/s)	NA
TR Vmax (m/s)	2.0
TR PG (mmHg)	16

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings appear similar. While the aortic insufficiency is no longer apparent, the LV wall thickness is unchanged despite good blood pressure control. A small tricuspid leak is noted; however, pulmonary pressures is normal. No additional issues identified.

These findings may suggest a primary issue in the case; however, continue monitoring for improvement is recommended as potentially the timespan is relatively short.



PATIENT
Ruby Senecal

Continue vasodilator therapy as prescribed is recommended, as the blood pressure appears normal.

SPECIES
Canine

- RECOMMENDATIONS**
- Continue Enalapril and Amlodpine as prescribed.
 - No cardiac contraindication for general anesthesia.
 - Monitor for development of a murmur, cough, labored breathing, exercise intolerance or collapse episodes.

BREED
Mastiff

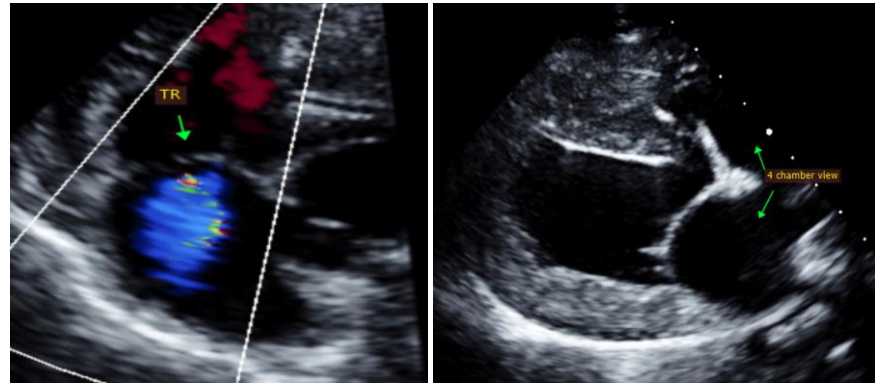
- PLAN**
- Recommend a recheck echocardiogram in 1 year to screen for screen for progressive/regression.

SEX
Female Spayed

AGE
6 years

WEIGHT
121lbs

IMAGES



INTERPRETED BY

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

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 Services

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

Echocardiogram performed by:

Pamela Harrigan, RDCS
Pet Animal Ultrasound Service (4paus.com)

REFERRING VET

Dr. Masloski

INVOICE

29153

DATE

2/21/23