



PATIENT

Rudy Verriden

SPECIES

Canine

BREED

Boston Terrier

SEX

Male Neutered

AGE

12 years

WEIGHT

23lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

21730

DATE

10/27/21

PRESENTING CLINICAL SIGNS

History: Referred for a heart murmur noted in August when he was being seen for diarrhea. Neurologic deficits were also noted in his hind limbs. Waxing/waning appetite. Slowing down with his activity in the past 6 months but does still play sometimes. CV/RESP: NSR, grade I/VI murmur, PSS. lung fields clear. BP: 160mmHg x 5. No medications. *No sedation for study.

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 normal.

Mitral valve: The mitral valve is mildly thickened without prolapse into the left atrial lumen. Mild central 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 normal with trace 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 140bpm.

2-Dimensional Measurements

Ao diam (cm)	1.9
LA diam (cm)	2.2
LA:Ao (Swe)	1.2
IVS thickness (cm)	0.88
LVID diastole (cm)	2.6
PW thickness (cm)	0.85
LVID systole (cm)	1.4
FS (%)	46

Doppler Measurements

PV Vmax (m/s)	0.78
AoV Vmax (m/s)	1.6
MR Vmax (m/s)	6.0
TR Vmax (m/s)	2.7
TR PG (mmHg)	300

INTERPRETATION OF THE FINDINGS

The cause of the murmur is chronic degenerative valve disease causing mild mitral and trace tricuspid regurgitation. Lack of significant left atrial enlargement indicates the current risk for complication is low. No concurrent issues such as 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).

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.



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- No cardiac contraindication for general anesthesia prior to chamber enlargement.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

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PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 6-12 months, sooner if any development of clinical signs.

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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.

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Lamy, DVM
DACVIM (Cardiology)

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.

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

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

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

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