



PATIENT

Guinness Welch

SPECIES

Canine

BREED

Boston Terrier

SEX

Male Neutered

AGE

12 years

WEIGHT

17.6lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Wignall Animal
Hospital

REFERRING VET

Dr. Harvey

INVOICE

21199

DATE

9/23/21

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease- Stage B1. Currently, doing well at home with good appetite and energy level. No coughing or dyspnea. Taking Omega 6 oils. BP: 130-135mmHg.
-Pertinent previous echo findings (2/25/21 MML): Normal LV, mild LAE, mild to moderate MR, moderate TR: 2.6m/s. LA; 2.4, LA: 3.14.

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 minimal prolapse into the left atrial lumen. Mild to moderate anterior-directed mitral regurgitation with a mildly elevated velocity.

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. Mild aortic insufficiency.

Right ventricle: Normal right ventricular diameter and morphology.

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears thickened with septal prolapse and moderate tricuspid regurgitation. Velocity consistent with early pulmonary hypertension.

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 100bpm.

2-Dimensional Measurements

Ao diam (cm)	1.4
LA diam (cm)	2.4
LA:Ao (Swe)	1.55
IVS thickness (cm)	0.83
LVID diastole (cm)	3.18
PW thickness (cm)	0.82
LVID systole (cm)	1.7
FS (%)	46

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	1.67
MR Vmax (m/s)	6.0
TR Vmax (m/s)	3.1
TR PG (mmHg)	39

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with evidence of stability. The left heart dimensions are unchanged with mild to moderate mitral regurgitation. The degree of tricuspid regurgitation is stable; however, the pulmonary pressures are increased comparatively. This of unknown significance in an asymptomatic dog; however, monitoring is advised. Finally, a small aortic leak is noted; however, systemic pressures are reasonable. No additional issues are identified.

Given these findings, no medications remain indicated. Continued assessment of progression in the future will help predict long term prognosis, which remains highly variable at this stage (B1).



PATIENT

Guinness Welch

SPECIES

Canine

BREED

Boston Terrier

SEX

Male Neutered

AGE

12 years

WEIGHT

17.6lbs

INTERPRETED BY

Maggie Machen
 Lamy, DVM
 DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
 RDCS

HOSPITAL NAME

Wignall Animal
 Hospital

REFERRING VET

Dr. Harvey

INVOICE

21199

DATE

9/23/21

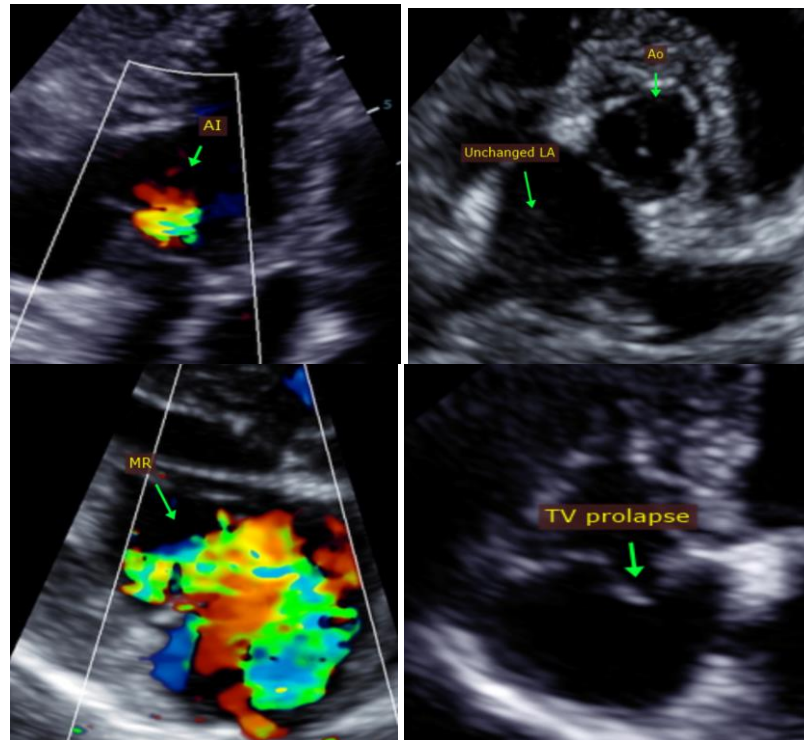
RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Anesthetic risk remains 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 6-8 months, sooner if any development of clinical signs.

IMAGES





PATIENT

Guinness Welch

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.

SPECIES

Canine

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.

BREED

Boston Terrier

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

SEX

Male Neutered

AGE

12 years

WEIGHT

17.6lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Wignall Animal
Hospital

REFERRING VET

Dr. Harvey

INVOICE

21199

DATE

9/23/21