



PATIENT

Riley Forsberg

SPECIES

Canine

BREED

Chihuahua

SEX

Female Spayed

AGE

11 years

WEIGHT

8lbs

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease- Stage B1. Riley is doing well clinically; needs dental prophylaxis. Grade III/VI systolic murmur.

-Pertinent previous echo findings (11/15/18 Mandi Kleman, DVM, DACVIM-C): LA 1.19 cm, LA:Ao 0.95, LV 1.98 cm, normal chamber sizes, trivial MR, mild TR (2 m/s).

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 with minimal prolapse into the left atrial lumen. Mild to moderate eccentric mitral regurgitation with a normal 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 mildly thickened with 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 90bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.3
LA diam (cm)	1.6
LA:Ao (Swe)	1.3
IVS thickness (cm)	0.5
LVID diastole (cm)	2.1
PW thickness (cm)	0.5
LVID systole (cm)	1.2
FS (%)	42

Doppler Measurements

PV Vmax (m/s)	0.7
AoV Vmax (m/s)	1.4
MR Vmax (m/s)	5.1
TR Vmax (m/s)	2.9
TR PG (mmHg)	34

IMAGING

PERFORMED BY

Eduardo Rodriguez
III, RCS

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with mild to moderate mitral and moderate trace tricuspid regurgitation. Compared to the prior study, findings are similar with normal left and right heart dimensions. Mild pulmonary hypertension has developed, which is of unknown significance in a dog without respiratory disease. Finally, a small aortic insufficiency is appreciated, and a baseline BP is recommended. No additional issues are identified.

HOSPITAL NAME

Norfolk County
Veterinary Service

REFERRING VET

Dr. Poor

INVOICE

31394

DATE

6/16/23

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



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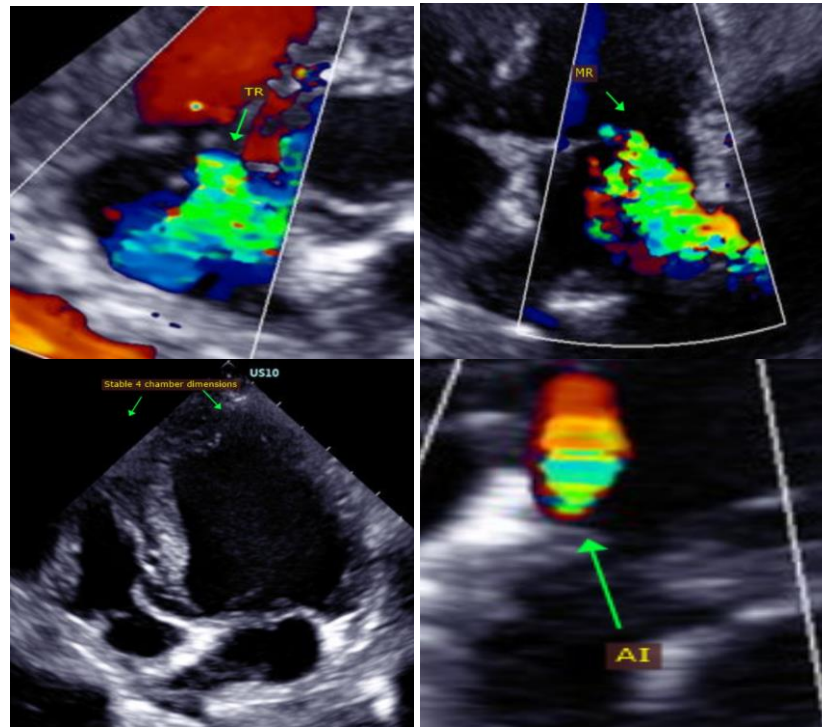
RECOMMENDATIONS

- 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 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





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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.

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

Chihuahua

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

SEX

Female Spayed

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

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