



**PATIENT**

Zoey Stoner

**SPECIES**

Canine

**BREED**

Yorkshire Terrier

**SEX**

Female Spayed

**AGE**

7 years

**WEIGHT**

7.4lbs

**INTERPRETED BY**

Maggie Machen  
Lamy, DVM  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Pamela Harrigan,  
RDCS

**HOSPITAL NAME**

Wood River Animal  
Hospital

**REFERRING VET**

Dr. Schuelke

**INVOICE**

20705

**DATE**

8/23/21

**PRESENTING CLINICAL SIGNS**

History: Recheck echo. History grade III/VI left holosystolic murmur. Asymptomatic for heart disease. BP: 125mmHg.

-Prior echocardiogram (Oct, 2017)- normal structure and function. LA 1.25 cm; LA:Ao 1.17; LV 1.97cm.

**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 diffusely thickened with no obvious prolapse into the left atrial lumen. Trace/mild eccentric mitral regurgitation.

**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 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 140bpm.

**2-Dimensional Measurements**

Ao diam (cm)	1.2
LA diam (cm)	1.2
LA:Ao (Swe)	1.0
IVS thickness (cm)	0.64
LVID diastole (cm)	1.7
PW thickness (cm)	0.55
LVID systole (cm)	1.0
FS (%)	44

**Doppler Measurements**

PV Vmax (m/s)	0.86
AoV Vmax (m/s)	1.3
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

**INTERPRETATION OF THE FINDINGS**

The only potential cause of the murmur is chronic degenerative valve disease causing trace/mild mitral regurgitation, which is unlikely to have been heard on exam although not impossible. Lack of significant left atrial enlargement indicates the current risk for complication is low. No concurrent issues such as systolic dysfunction or 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).



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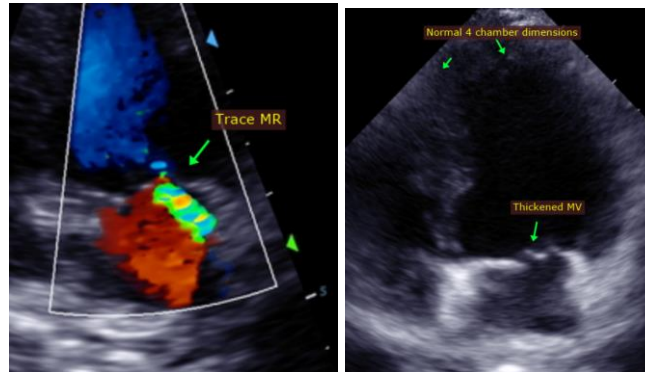
**RECOMMENDATIONS**

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

**PLAN**

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

**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.**

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.

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