



PATIENT

Gavin Burum

PRESENTING CLINICAL SIGNS

History: Grade II/VI left systolic murmur. Needs dental procedure. Lab work unremarkable other than USG 1.008 on UA.

SPECIES

Canine

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

BREED

Cavalier

Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is minimally dilated.

Mitral valve: The mitral valve is mildly thickened with no prolapse into the left atrial lumen. Mild central mitral regurgitation with a normal velocity.

SEX

Male Neutered

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.

AGE

8 years

Right atrium: Normal RA dimension.

Tricuspid valve: The tricuspid valve appears normal with trace tricuspid regurgitation.

Pulmonic valve/pulmonary artery: The pulmonic valve is normal in morphology and mobility. No pulmonic insufficiency. Normal RVOT velocity; laminar flow.

WEIGHT

23lbs

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

2-Dimensional Measurements

Doppler Measurements

Ao diam (cm)	1.8
LA diam (cm)	2.4
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.8
LVID diastole (cm)	3.0
PW thickness (cm)	0.9
LVID systole (cm)	1.9
FS (%)	37

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	1.7
MR Vmax (m/s)	5.9
TR Vmax (m/s)	NM
TR PG (mmHg)	NA

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

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 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).

IMAGING PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

Wood River Animal
Hospital

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.
- 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

REFERRING VET

Dr. Schuele

INVOICE

32031

DATE

7/31/23



PATIENT

Gavin Burum

overload. Avoid heart rate stimulating drugs such as atropine unless clinically indicated.

SPECIES

Canine

- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

BREED

Cavalier

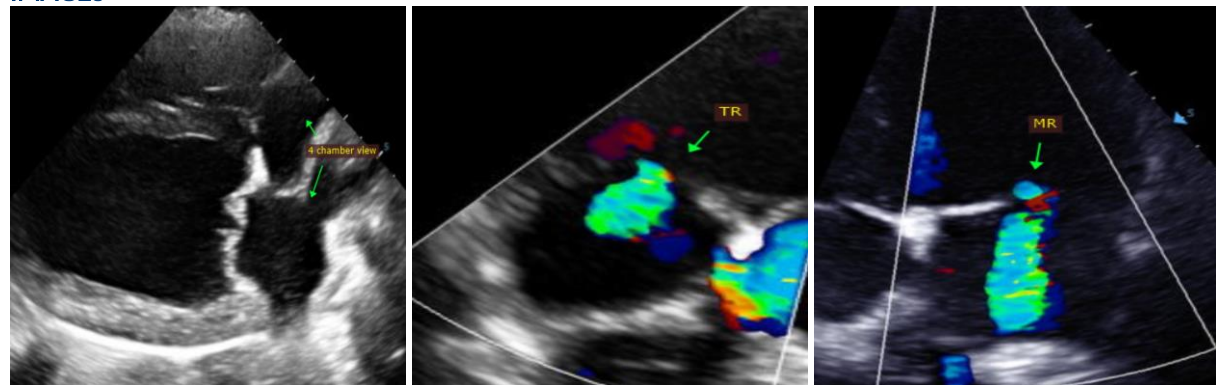
PLAN

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

IMAGES

SEX

Male Neutered



AGE

8 years

WEIGHT

23lbs

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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.

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.

Maggie Machen Lamy, DVM

Diplomate of the American College of Veterinary Internal Medicine (Cardiology)

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HOSPITAL NAME

Wood River Animal
 Hospital

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

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