



PATIENT

Sadie Adam

SPECIES

Canine

BREED

Miniature Shnauzer

SEX

Female Spayed

AGE

11 years

WEIGHT

15lbs

PRESENTING CLINICAL SIGNS

History: Sadie was noted to have a heart murmur in June. She was started on enalapril and Lasix at that time. Sadie's appetite has been off a bit recently, not finishing her food. No C/S/V/D/PU/PD. Her activity level is a bit low as well. On exam; grade IV/VI systolic murmur; lungs clear. BP: 120-130mmHg. *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 mildly dilated.

Mitral valve: The mitral valve is mildly thickened with significant prolapse into the left atrial lumen. 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. 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.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.4
LA diam (cm)	2.1
LA:Ao (Swe)	1.5
IVS thickness (cm)	0.6
LVID diastole (cm)	2.9
PW thickness (cm)	0.7
LVID systole (cm)	1.5
FS (%)	48

Doppler Measurements

PV Vmax (m/s)	1.0
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	5.8
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

INTERPRETATION OF THE FINDINGS

The cause of the murmur is chronic degenerative valve disease causing moderate mitral 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.

HOSPITAL NAME

Mass Veterinary Services

Given these findings, no medications are indicated and Lasix/Enalapril can be safely discontinued. Assessment of progression in the future will help predict long term prognosis, which is highly variable at this stage (B1).

REFERRING VET

Dr. Masloski

RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- Discontinue Lasix and Enalapril as discussed.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.

INVOICE

26121

DATE

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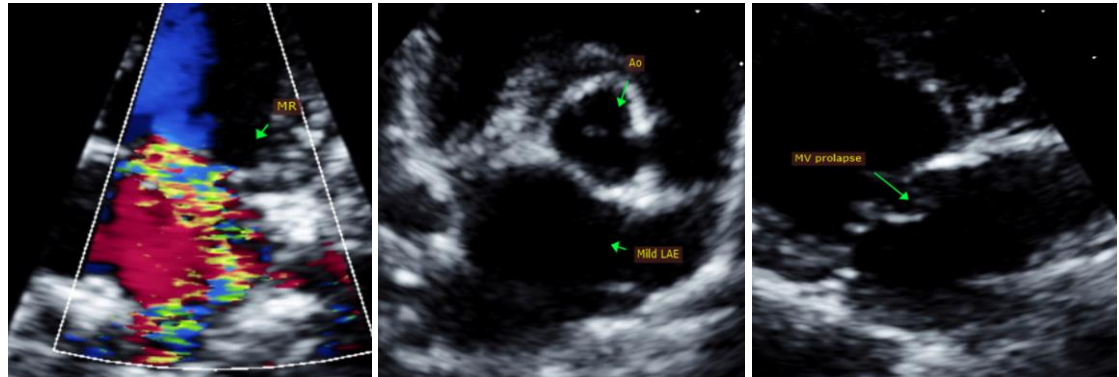
DATE
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- Anesthetic risk is considered mild if needed. Cardiac protective drug choices (opioid/benzodiazepine premedication, propofol or alfaxalone induction, isoflurane gas) are recommended. Pre-oxygenate for 5-10 minutes prior to induction. Monitor 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



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.

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

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