



PATIENT

Honey Martinez

SPECIES

Canine

BREED

Chihuahua

SEX

Female Intact

AGE

10 years

WEIGHT

6.75lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

**IMAGING
PERFORMED BY**

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

20905

DATE

9/7/21

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage B1. Current presentation: Honey is doing well with an occasional cough. No labored breathing. Good appetite and energy. CV/RESP: NSR grade II/VI murmur with PMI left apical area, PSS, lung fields clear. BP: 140mmHg x 5. No medications.
-Pertinent previous echo findings (2/2/21 MML): LA 1.4 cm; LA:Ao 1.3; LV 1.9 cm; minimal LAE; mild MR; trace TR (2.3 m/s). *No sedation.

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 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 trace tricuspid regurgitation; normal velocity.

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)	0.49
LVID diastole (cm)	1.8
PW thickness (cm)	0.49
LVID systole (cm)	1.0
FS (%)	44

Doppler Measurements

PV Vmax (m/s)	0.97
AoV Vmax (m/s)	1.4
MR Vmax (m/s)	NA
TR Vmax (m/s)	2.6
TR PG (mmHg)	27

INTERPRETATION OF THE FINDINGS

Chronic degenerative valve disease persists with no evidence of progression. Mild subclinical disease is unchanged without chamber enlargement. No additional issues are identified. Continued assessment of progression in the future will help predict long term prognosis, which remains highly variable at this stage (B1).

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



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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.

SPECIES
Canine

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

BREED
Chihuahua

PLAN

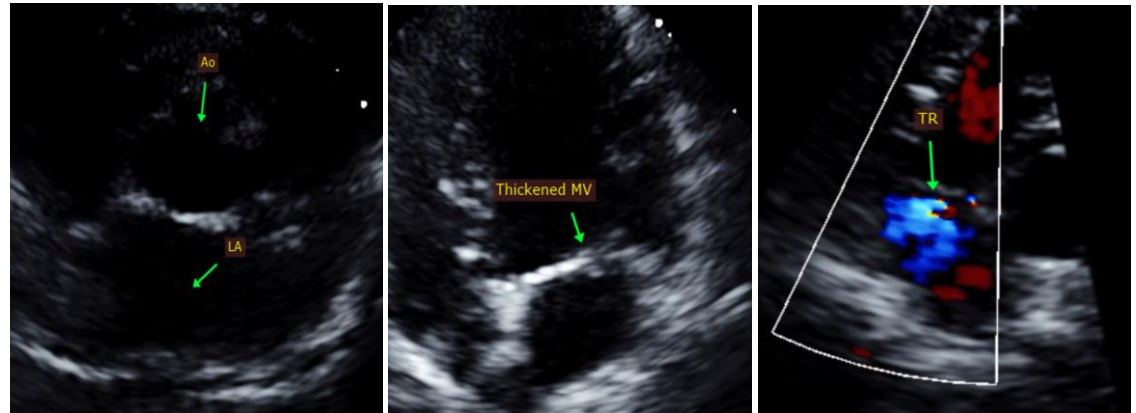
- Recommend conservative monitoring with a recheck echocardiogram annually, sooner if any development of clinical signs.

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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.

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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)
info@sonopath.com

HOSPITAL NAME

Mass Veterinary
Specialty Services

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

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