



PATIENT

Jake Sophinos

SPECIES

Canine

BREED

Maltese Mix

SEX

Male Neutered

AGE

10 years

WEIGHT

24.6lbs

INTERPRETED BY

Maggie Machen Lamy, DVM DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

31650

DATE

7/3/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. History chronic valvular disease - Stage late B2. History protein losing nephropathy. Presently, Jake is doing well. He is presently eating well and remains active. Current medications: 1) Pimobendan/vetmedin 7.5mg 1/2 tab twice a day 2) Enalapril 10mg 1.5 tabs twice a day 3) Trilostane/vetoryl 10mg 1 capsule twice a day with one 5mg capsule in am 4) Spironolactone 25mg 1/2 tab twice a day 5) Plavix/clopidogrel 75mg 1/2 tab daily 6) Telmisartenn 20mg 1 tab daily 7) Gabapentin 100mg as needed 8) Carprofen/rimadyl 25mg as needed 9) Ursodiol/actigal 250mg 1/2 tab with food daily *No sedation for study. - Pertinent previous echo measurements (1/4/23 MML): LA 2.9 cm; LA:Ao, LV 4.0 cm, TR Vmax 2.7 m/s; 29mmHg.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available. **Left ventricle:** The LV diameter is mildly increased with hyperdynamic function. LV wall thicknesses are normal. **Left atrium:** The left atrium is moderate to severely dilated. **Mitral valve:** The mitral valve is diffusely thickened with mild prolapse into the left atrial lumen. Moderate to severe 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 trace tricuspid regurgitation. Borderline 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)	1.5
LA diam (cm)	2.8
LA:Ao (Swe)	2.0
IVS thickness (cm)	0.6
LVID diastole (cm)	4.0
PW thickness (cm)	0.6
LVID systole (cm)	2.0
FS (%)	50

Doppler Measurements

PV Vmax (m/s)	1.0
AoV Vmax (m/s)	1.7
MR Vmax (m/s)	5.7
TR Vmax (m/s)	2.9
TR PG (mmHg)	33

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings are similar. The left heart disease is unchanged with stable LA and LV enlargement. A small aortic insufficiency is noted and ensuring the blood pressure is well controlled is recommended. No additional issues are identified.

Given these findings, continue all medications as prescribed. Continued assessment of progression in the future will help predict long term outcome, however prognosis remains guarded at this stage (late B2).

RECOMMENDATIONS

- Continue Pimobendan, Spironolactone and Enalapril as prescribed.



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- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Elected anesthesia is not advised.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

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Canine

PLAN

- Recheck lab work and BP every 4-6 months life-long
- Recommend conservative monitoring with a recheck echocardiogram in 6 months, sooner if any development of clinical signs.

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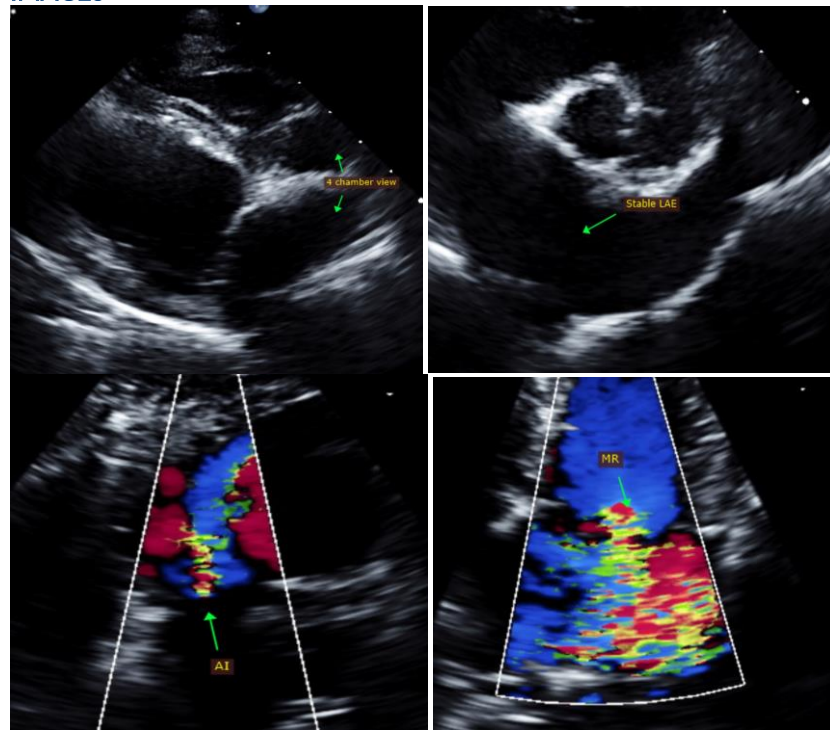
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IMAGES



HOSPITAL NAME
Mass Veterinary Services

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.

REFERRING VET
Dr. Masloski

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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DATE
7/3/23

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