



PATIENT

Mira Kelleher

SPECIES

Canine

BREED

Boxer

SEX

Female Spayed

AGE

10 years

WEIGHT

74.9lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING

PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

Mass Veterinary
Specialty Services

REFERRING VET

Dr. Masloski

INVOICE

20704

DATE

8/24/21

PRESENTING CLINICAL SIGNS

History: Recheck echo. History ARVC. Current presentation: Mira is presently doing well. Good appetite. Some exercise intolerance in the hot weather. CV/RESP: NSR, no murmurs noted, PSS, lung fields clear. BP: 180-190mmHg.

-Current Medications: 1) Mexiletine 150mg 2 capsules three times a day 2) Sotalol 80mg 1/4 tab twice a day 3) Pimobendan 10mg 1 tab twice a day 4) Taurine 1000mg twice a day *No sedation.

-Pertinent previous echo findings (1/12/21 MML): LA 3.2 cm; LA:Ao 1.4; LV 4.8 cm; FS 35%; mild LAE; normal LV size and function; normal sinus rhythm.

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 no prolapse into the left atrial lumen. No mitral regurgitation.

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. Trivial aortic insufficiency.

Right ventricle: Prominent RV. No obvious RVH.

Right atrium: Mild RA dilation.

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

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 90bpm.

2-Dimensional Measurements

Ao diam (cm)	2.4
LA diam (cm)	3.2
LA:Ao (Swe)	1.3
IVS thickness (cm)	1.0
LVID diastole (cm)	4.4
PW thickness (cm)	1.0
LVID systole (cm)	2.8
FS (%)	36

Doppler Measurements

PV Vmax (m/s)	1.2
AoV Vmax (m/s)	2.5
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

The echocardiogram in this patient remains normal without development of DCM phenotype. Mildly elevated aortic outflow velocities persist with a small insignificant aortic leak. No additional issues are identified.

Given these findings, continue all medications as previously prescribed. The blood pressure is elevated for a dog in the hospital and should be reassessed in the future for persistence. Periodic holter monitoring remains advised in any ARVC patient.



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Prognosis remains guarded long-term; however, it is encouraging that the patient continues to do well.

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Canine

RECOMMENDATIONS

- Continue Pimobendan, Mexiletine and Sotalol as prescribed.
- Continue taurine supplement as was previously noted.
- Consider holter monitor every 6 months.
- Reassess BP as discussed.
- Omega fatty acid supplementation and mild salt restriction may be of some long-term benefit.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

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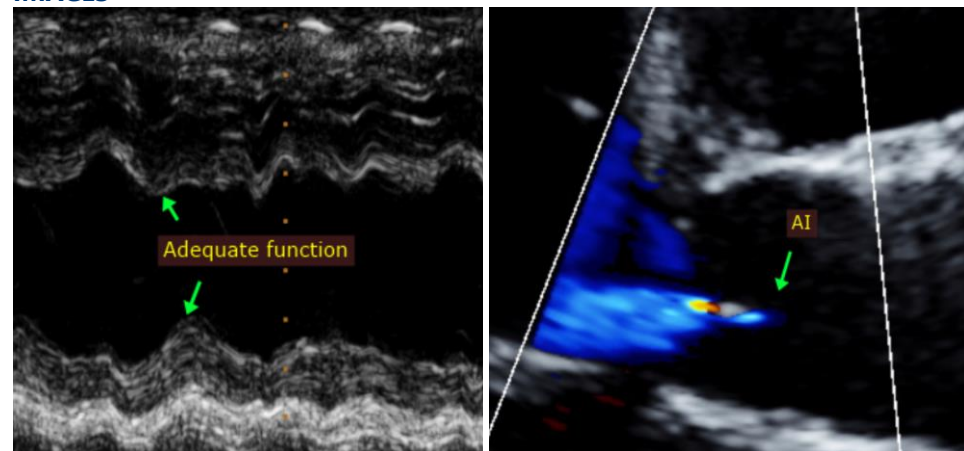
- Recommend conservative monitoring with a recheck echocardiogram in 6-12 months, sooner if any development of clinical signs.

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IMAGES

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