



PATIENT

Bunny Allevo

SPECIES

Canine

BREED

Boxer

SEX

Female Spayed

AGE

7 years

WEIGHT

52lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Pamela Harrigan,
RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

30532

DATE

5/2/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. History increased flow velocity through LVOT without anatomic abnormalities. History single VPCs. Presently, Bunny is doing well. Good appetite and activity level. No collapse, exercise intolerance or labored breathing. On exam: pronounced sinus arrhythmia, grade II-III/VI murmur with PMI left apical area, PSS, lung fields clear, mm pink and moist, CRT<2. BP: 160mmHg x 5. Current medications: 1) glucosamine 2) fish oils *No sedation for study.

-Pertinent previous echo findings (1/14/20 MML): LA 2.6 cm; LA:Ao1.4; LV 3.2 cm; mild LAE, LVOT Vmax 2.0 m/s

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is available at 25mm/s; 20mm/mV. The average heart rate is 145bpm (range 125-166bpm). The rhythm is sinus in origin, with a p for every QRS complex and vice versa. The P wave morphology is positive with a normal dimension. Normal PR. The QRS morphology is positive with normal dimension. MEA is normal. No ectopic beats, pauses or dysrhythmias observed.

ECG diagnosis: Normal sinus rhythm with respiratory variation.

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 diffusely thickened with mild prolapse into the left atrial lumen. Mild eccentric mitral regurgitation.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Mildly elevated 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.

2-Dimensional Measurements

Ao diam (cm)	1.9
LA diam (cm)	2.2
LA:Ao (Swe)	1.1
IVS thickness (cm)	1.0
LVID diastole (cm)	3.3
PW thickness (cm)	1.0
LVID systole (cm)	1.9
FS (%)	42

Doppler Measurements

PV Vmax (m/s)	1.2
AoV Vmax (m/s)	2.0
MR Vmax (m/s)	NM
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Compared to the prior study, findings are persistently normal. The murmur remains benign due to an increased LVOT velocity. No significant valve leaks are appreciated, and systolic function is intact. Additionally, no VPCs are noted on an extended ECG tracing, which is great news. It should be noted that a holter monitor is the gold standard for a more complete picture; however, this is certainly a good sign.



PATIENT

Given these findings, no medications are indicated at this time. Prognosis is open.

Bunny Allevo

RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- Consider a periodic holter monitor as discussed.
- Fish oil supplementation is recommended for dogs with arrhythmias (500-1000mg of omega 3 and 6 once to twice daily).
- Monitor at home for collapse, exercise intolerance, and/or lethargy.
- No cardiac contraindication for general anesthesia at this time; however, monitoring of an ECG is recommended during and following the procedure.

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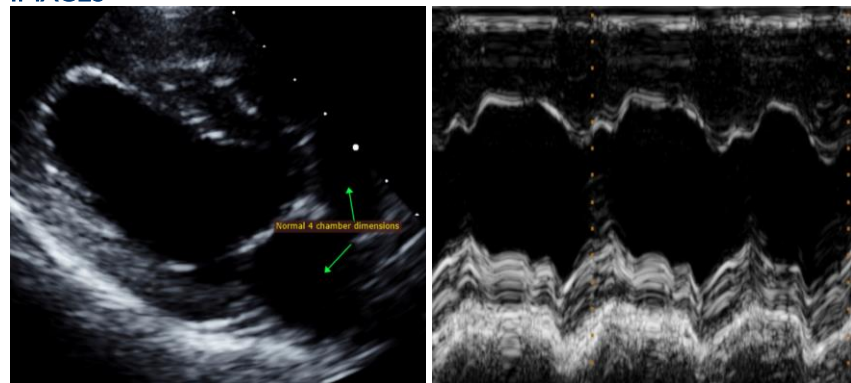
PLAN

- 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.

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.

INVOICE

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DATE

5/2/23

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