



PATIENT

Lexie Koretz

SPECIES

Canine

BREED

Boxer

SEX

Female Spayed

AGE

6 years

WEIGHT

61lbs

PRESENTING CLINICAL SIGNS

History: Lexie is doing well but was previously on a grain free diet. She had some "shortness of breath" during the hot and humid days - no longer noted. Good appetite and energy. CV/RESP: NSR, no murmurs noted, PSS, lung fields clear. BP: 190-200mmHg. *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 normal with no MR.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity. 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 obvious cardiac shunts. No pericardial or pleural effusion noted. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 160bpm.

2-Dimensional Measurements

Ao diam (cm)	2.1
LA diam (cm)	2.7
LA:Ao (Swe)	1.3
IVS thickness (cm)	1.1
LVID diastole (cm)	3.9
PW thickness (cm)	1.1
LVID systole (cm)	2.5
FS (%)	36

Doppler Measurements

PV Vmax (m/s)	1.1
AoV Vmax (m/s)	1.9
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

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

21242

DATE

9/28/21

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac dimensions and function. The fractional shortening and LV dimensions are both normal indicating no obvious diet-related cardiomyopathy. No significant valve leaks are noted, and no issues identified.

Even without obvious dysfunction, a diet change remains the conservative recommendation. In this predisposed breed, DCM/ARVC can develop without PE changes such as a murmur, and it is reasonable to monitor periodically.

The reported blood pressure is elevated, and should be reassessed for accuracy particularly given no reported clinical signs of severe hypertension (retinal changes, etc) or evidence of LVH on echo. Ideally obtain serial measurements in a controlled, low stress environment and continue until 3 consecutive readings plateau within 5mmHg of variability. If persistently >180mmHg despite a relatively calm demeanor, recommend institution of amlodipine to effect. Additionally if deemed accurate, screening for



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predisposing underlying causes of SHT is recommended (Cushings, PLN, adrenal tumor, etc), as primary disease is relatively uncommon and a rule out diagnosis.

SPECIES RECOMMENDATIONS

- Canine
- No cardiac medications are indicated.
 - Reassess BP as discussed.
 - No cardiac contraindication for general anesthesia.
- BREED** Boxer
- Monitor for development of a murmur, cough, labored breathing, exercise intolerance or collapse episodes.

PLAN

- SEX** Female Spayed
- Recommend a recheck echocardiogram should a murmur or clinical signs of cardiac disease develop in the future.

IMAGES

AGE

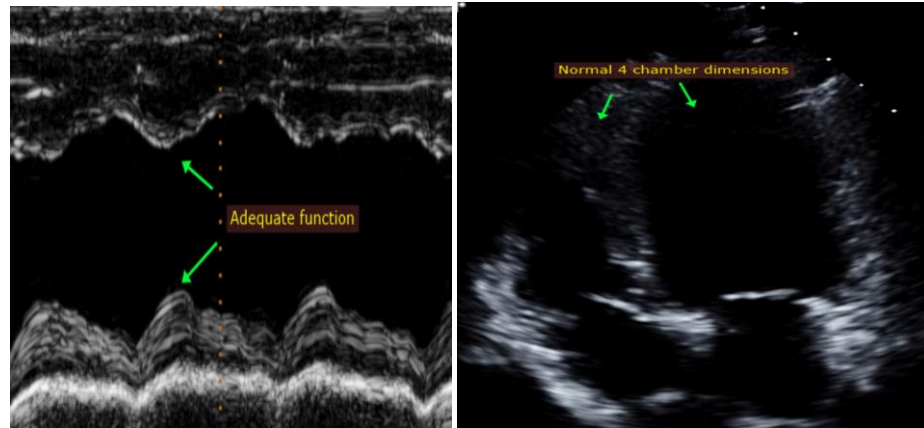
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

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

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