



PATIENT

Grey Kitty Noel

SPECIES

Feline

BREED

Russian Blue

SEX

Male Neutered

AGE

13 years

WEIGHT

13.4lbs

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY

Eduardo Rodriguez
III, RCS

HOSPITAL NAME

Wignall Animal
Hospital

REFERRING VET

Dr. Colella

INVOICE

30493

DATE

4/28/23

PRESENTING CLINICAL SIGNS

History: Recheck echo. History mild LVH, stable on prior echo (5/20/21 MML). Currently, pro BNP is elevated at 165. Patient is not clinical.
-Pertinent previous echo findings: LA 1.33cm, LA:Ao 1.4, LVS 0.65cm, PW 0.63cm, borderline LA size.

ECHOCARDIOGRAM FINDINGS

2D, m-mode, color flow and Doppler imaging is available.

Left ventricle: The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are mildly increased symmetrically. There is a diffusely hyperechoic endocardium consistent with fibrosis. False tendon. The papillary muscles are mildly remodeled and hypertrophied.

Left atrium: The left atrium is borderline in dimension. No obvious spontaneous contrast or thrombi seen.

Mitral valve: The mitral valve is normal in structure and mobility. No obvious systolic anterior motion is seen. No MR.

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: The right atrium is normal in dimension.

Tricuspid valve: The tricuspid valve appears normal with trace 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.

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

2-Dimensional Measurements

Ao diam (cm)	0.9
LA diam (cm)	1.3
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.61
LVID diastole (cm)	1.4
PW thickness (cm)	0.61
LVID systole (cm)	0.4
FS (%)	70

Doppler Measurements

PV Vmax (m/s)	0.8
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Compared to the prior study, there is no evidence of progression. Mild LVH is unchanged with stable left and right heart dimensions. No additional issues have developed.

Given these findings, no medications are indicated.

Prognosis is open, due to the highly variable rates of progression with subclinical feline cardiomyopathy.



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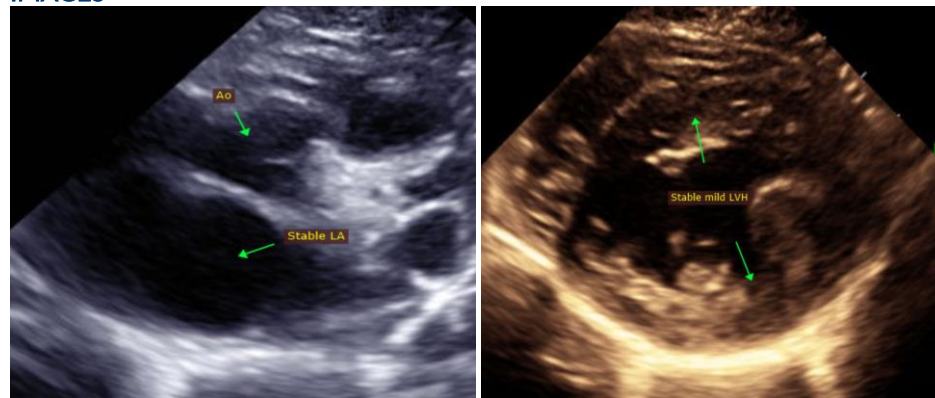
RECOMMENDATIONS

- No medications are indicated.
- Monitor BP and T4 every 6 months.
- Anesthetic risk is considered mild, however judicious IV fluid rates are advised to avoid fluid overload. Additionally, drugs that stimulate heart rate should be avoided unless clinically necessary (glycopyrrolate, atropine). A reasonable protocol includes opioid/benzodiazepine premedication, propofol induction, and isoflurane maintenance.
- Risk for complication with steroid use typically follows LA dilation, which in this case is low. That being said, any cat can experience unexpected signs of intolerance and monitoring of RR/RE is advised particularly in the initiation phase.
- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc.).

PLAN

- Recommend recheck echocardiogram annually, sooner if any clinical signs arise in the interim.

IMAGES



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.

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