



PATIENT
Fat Man Carnevale

SPECIES
Feline

BREED
DSH

SEX
Male Neutered

AGE
5 years

WEIGHT
17.06lbs

INTERPRETED BY
Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan,
RDCS

HOSPITAL NAME
Mass Veterinary Services

REFERRING VET
Dr. Masloski

INVOICE
22736

DATE
2/22/22

PRESENTING CLINICAL SIGNS

History: Fat Man referred for a heart murmur noted in December. ProBNP done elevated at 603. Chest films one month ago demonstrated a diffuse bronchial pattern throughout his lung fields with mild LAE. He is eating well. No further episodes of dyspnea noted. On auscultation: NSR, grade I-II/VI murmur with PMI on sternum PSS, lung fields clear, compressible thorax . BP: 140-160mmHg. *Sedated with propofol for echo study.

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 borderline in dimension. There is a mildly hyperechoic endocardium. The papillary muscles appear normal.

Left atrium: The left atrium is borderline enlarged. 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 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.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 188bpm.

2-Dimensional Measurements

Ao diam (cm)	0.9
LA diam (cm)	1.3
LA:Ao (Swe)	1.4
IVS thickness (cm)	0.55
LVID diastole (cm)	1.3
PW thickness (cm)	0.59
LVID systole (cm)	0.65
FS (%)	50

Doppler Measurements

PV Vmax (m/s)	0.6
AoV Vmax (m/s)	0.8
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Essentially normal cardiac dimensions and function. The LV wall thickness is borderline increased, and the LA is borderline enlarged. These may be normal variants or may reflect early hypertrophic disease. No cause for the murmur is identified in this study, likely due to sedation, making it most likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

Given these findings, no medications are indicated. These findings would suggest the radiographic abnormality is a normal variant (potentially due to fat deposition in the pericardial space) and should be used as a baseline for future comparison. The prognosis is guarded long-term until progression is monitored.



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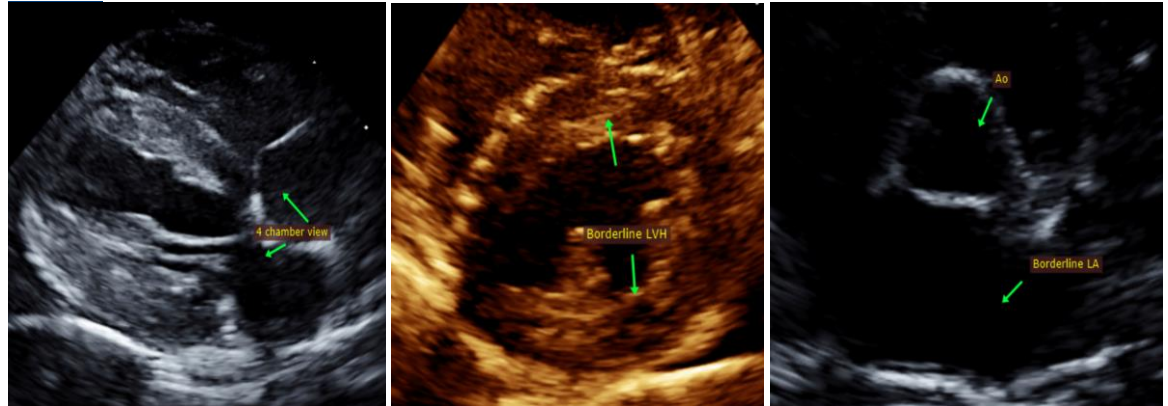
RECOMMENDATIONS

- Given these findings, no medications are indicated.
- No cardiac contraindication for general anesthesia. Mild IV fluid restriction is advised.
- 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 in 1 year to reassess murmur origin and screen for development of disease the pre-existing murmur may mask.

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)