



PATIENT

Smudge Harris

PRESENTING CLINICAL SIGNS

History: Grade I-II/VI heart murmur; no clinical signs. BP: 169, 1690, 175mmHg. *No sedation for study.

SPECIES

Feline

ECHOCARDIOGRAM FINDINGS

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

BREED

British Shorthair

Left ventricle: The LV diameter is normal with adequate myocardial function. The LV wall thicknesses are highly irregular with regions of thinning. No hypertrophy identified. There is a diffusely hyperechoic endocardium consistent with mild fibrosis. The endocardium appears mildly remodeled. The papillary muscles are mildly remodeled and hyperechoic.

SEX

Male Neutered

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

AGE

13 years

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

Aortic valve/aorta: The aortic valve is normal in morphology and mobility. Normal aortic outflow velocity; laminar flow. No aortic insufficiency.

WEIGHT

12.8lbs

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.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.0
LA diam (cm)	1.4
LA:Ao (Swe)	1.3
IVS thickness (cm)	0.43
LVID diastole (cm)	1.55
PW thickness (cm)	0.40
LVID systole (cm)	0.45
FS (%)	71

Doppler Measurements

PV Vmax (m/s)	1.0
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING

PERFORMED BY

Pamela Harrigan,
RDMS

HOSPITAL NAME

Wignall Animal
Hospital

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac structure and function. There is significant remodeling and fibrosis of the left ventricular wall with regions of thinning, which should be monitored going forward. Additionally, the LA is borderline in dimension, which may support early restrictive or unclassified disease. A normal variant is certainly possible; however, follow up of both abnormalities is advised. No cause for the murmur is identified in this study, making it likely physiologic in origin (i.e., secondary to tachycardia, volume changes, etc.).

REFERRING VET

Dr. Thomas

INVOICE

23504

RECOMMENDATIONS

- Given these findings, no medications are indicated.
- The risk for general anesthesia is low, however heart rate stimulating drugs such as atropine, glycopyrrolate, etc. should be avoided unless medically necessary. With mild LA dilation there may be an elevated risk for fluid overload in this patient and judicious IV fluid use is recommended.

DATE

4/7/22



PATIENT

Smudge Harris

- Monitor for any clinical evidence of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes, etc).

PLAN

SPECIES

Feline

- Recommend recheck echocardiogram in 6-12 months to reassess murmur origin and screen for progressive LA dilation.

IMAGES

BREED

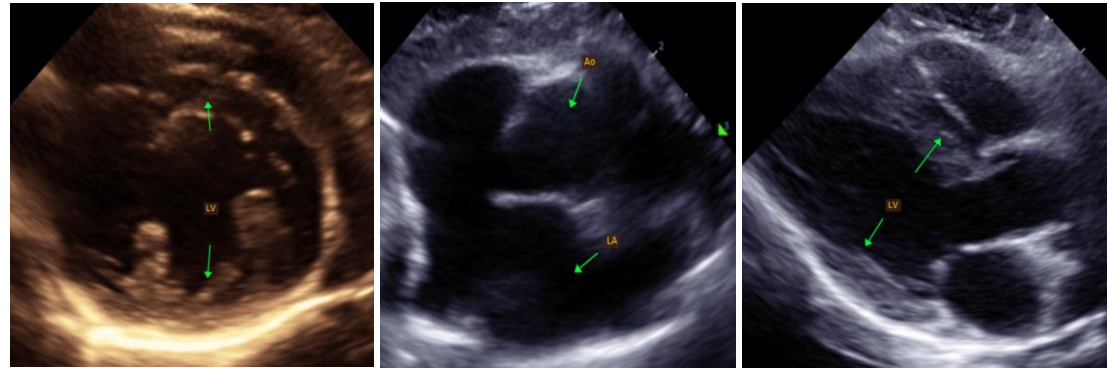
British Shorthair

SEX

Male Neutered

AGE

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WEIGHT

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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.

INTERPRETED BY

Maggie Machen
 Lamy, DVM
 DACVIM (Cardiology)

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
 Diplomate of the American College of Veterinary Internal Medicine (Cardiology)
 info@sonopath.com

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Pamela Harrigan,
 RDCS

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