



PATIENT

Rosie Wiehl

PRESENTING CLINICAL SIGNS

History: New grade II/VI left holosystolic murmur and tachycardia noted on exam. Also has severe dental disease - echo prior to anesthesia. Radiographs reveal enlarged cardiac silhouette - valentine shaped heart. * Sedated with butorphanol.

SPECIES

Feline

ECHOCARDIOGRAM FINDINGS

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

BREED

DMH

Left ventricle: The LV diameter is normal with adequate myocardial function. The LV wall dimensions are normal. There is a mild fibrosis of the endocardium. The endocardium appears mildly remodeled. The papillary muscles appear normal.

SEX

Female Spayed

Left atrium: The left atrium is normal. No obvious thrombi seen.

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

AGE

18 years

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

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. An elevated RVOT velocity is seen on color flow, 2D imaging (not captured on Spectral doppler), with a dynamic profile.

WEIGHT

7.7lbs

Pericardium/other: No pericardial or pleural effusion noted. No obvious cardiac masses.

Heart rhythm: ECG reveals a sinus rhythm with an average HR of 220bpm.

INTERPRETED BY

Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

2-Dimensional Measurements

Ao diam (cm)	1.16
LA diam (cm)	0.93
LA:Ao (Swe)	0.8
IVS thickness (cm)	0.47
LVID diastole (cm)	1.2
PW thickness (cm)	0.51
LVID systole (cm)	0.5
FS (%)	60

Doppler Measurements

PV Vmax (m/s)	1.5
AoV Vmax (m/s)	0.8
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

IMAGING

PERFORMED BY

Pamela Harrigan,
RDCS

INTERPRETATION OF THE FINDINGS

Overtly normal geriatric cardiac structure and function are identified. Mild remodeling fibrosis of the left ventricular wall is noted, which is likely a normal age-related variant. No significant valve leaks are noted, and flow through the great vessels is normal in velocity. A dynamic RVOT is noted which is a benign cause of murmurs in cats. This finding is exacerbated by tachycardia and/or volume changes. **The aortic root is prominent, and a baseline blood pressure is strongly recommended.**

HOSPITAL NAME

Wood River Animal
Hospital

RECOMMENDATIONS

- Given these findings, no medications are indicated.
- Baseline BP is recommended.
- No cardiac contraindication for general anesthesia. Should fluid or steroid therapy be indicated in the future, any senior cat should be monitored for intolerance (changes in RR/RE).

REFERRING VET

Dr. Schuelke

INVOICE

22279

DATE

12/5/21



PATIENT - Monitor at home for signs of cardiac compromise, including respiratory changes and/or signs of a blood clot event (paralysis, neurologic changes).
 Rosie Wiehl

PLAN
 - Recommend recheck echocardiogram in 1 year to assess for any progressive issues or development of disease the pre-existing murmur may mask.

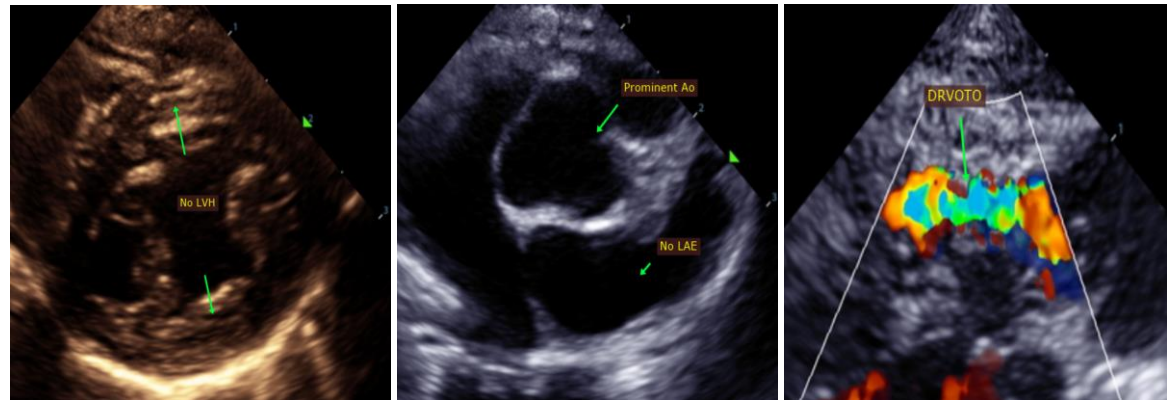
SPECIES
 Feline

IMAGES

BREED
 DMH

SEX
 Female Spayed

AGE
 18 years



WEIGHT
 7.7lbs

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.

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IMAGING PERFORMED BY
 Pamela Harrigan,
 RDCS

HOSPITAL NAME
 Wood River Animal
 Hospital

REFERRING VET
 Dr. Schuelke

INVOICE
 22279

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