



PATIENT

Noelle Klayr

SPECIES

Feline

BREED

DSH

SEX

FS

AGE

3 y

WEIGHT

3.5 kg

INTERPRETED BY

Keith Blass, DVM, MS,
DACVIM (Cardiology)

IMAGING PERFORMED BY

Amanda Stewart

HOSPITAL NAME

Beatties PH Stoney
Creek

REFERRING VET

Dr. Song

INVOICE

DATE

11/24/25

PRESENTING CLINICAL SIGNS

Respiratory distress. Grade 3-4/6 murmur. Radiographs showed cardiomegaly, primarily right-sided, and a bronchointerstitial pulmonary pattern.

ECHOCARDIOGRAPHIC FINDINGS

2D, M-mode, and Doppler study.

Left atrial size is normal. The mitral valve appears normal, though mild mitral regurgitation is present. Left ventricular wall thickness is normal. Left ventricular internal dimensions are normal. Left ventricular systolic function is hyperdynamic. The aorta and aortic valve appear normal, though trace aortic insufficiency is present. There is mild right atrial dilation. There is mild right ventricular hypertrophy. There is flattening of the interventricular septum. The tricuspid valve appears normal, though mild tricuspid regurgitation is present. There is dilation of the main pulmonary artery and right main branch pulmonary artery. The pulmonic valve is normal. No shunting lesions are visualized. No heartworms are visualized. No pericardial effusion or cardiac masses are seen.

LA/Ao - 1.44

IVSd - 5.1 mm

LVPWd - 5.4 mm

LVIDd - 15.1 mm

LVIDs - 6.7 mm

FS - 55.6%

RA - 16.2 mm

LVOT - 0.91 m/s

RVOT - 1.01 m/s

ELECTROCARDIOGRAPHIC FINDINGS

A six lead ECG is submitted for review.

HR: 200 bpm

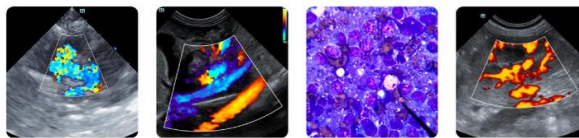
Rhythm: Sinus

Normal sinus rhythm is present throughout this recording. There is a right-axis deviation. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

ASSESSMENT/RECOMMENDATIONS

This examination demonstrates mild regurgitation of blood across Noelle's mitral and tricuspid valves. It also demonstrates changes, such as mild right atrial dilation, mild right ventricular hypertrophy, flattening of the interventricular septum, and dilation of the main and right main branch pulmonary arteries, that are suggestive of the presence of pulmonary hypertension. Unfortunately, an accurate tricuspid regurgitation velocity could not be obtained via spectral Doppler evaluation, therefore, a quantitative assessment of Noelle's pulmonary artery pressure cannot be made. If relevant pulmonary hypertension is present, it could be contributing to Noelle's respiratory clinical signs, though it's possible that an underlying respiratory disease could also be present.

The presence of mild right atrial dilation indicates that Noelle is at mildly increased risk for the development of right-sided congestive heart failure.



PATIENT

The right axis deviation noted in Noelle's ECG appears to be secondary to her right heart enlargement.

Noelle Klayr

Given the concern for the presence of pulmonary hypertension, a trial with sildenafil (5 mg TID) is recommended. As Noelle's right atrial dilation puts her at mildly increased risk for pulmonary thromboembolism, therapy with clopidogrel (18.75 mg SID) is also recommended.

SPECIES

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A recheck echocardiogram is recommended in 4 months.

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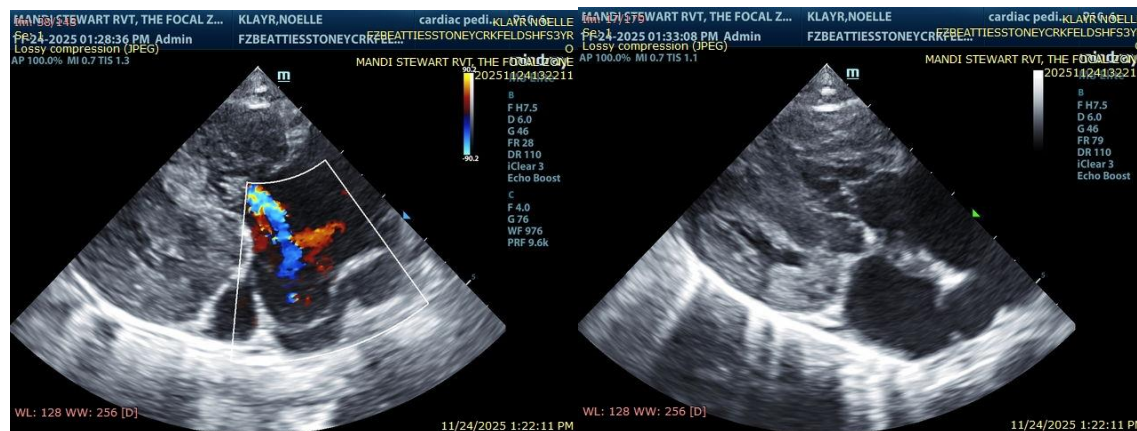
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The information and recommendations provided are based on the images presented by the referring veterinarian/sonographer. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

Thank you for this referral. 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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