



PATIENT

Cassie Nelson

SPECIES

Canine

BREED

Shetland Sheepdog

SEX

Female Spayed

AGE

6 years

WEIGHT

24.7lbs

INTERPRETED BY

Maggie Machen Lamy, DVM DACVIM (Cardiology)

PRESENTING CLINICAL SIGNS

History: Cassie was noted to have an arrhythmia in February. A ProBNP done at that time was on the high end of normal at 882. She has been coughing/gagging but only sporadically. She is eating well with normal activity. On exam today: arrhythmia, no murmurs noted, PSS, lung fields clear. BP: 130mmHg x 5. No medications. *No sedation for study

ELECTROCARDIOGRAPHIC FINDINGS *Note: Single lead ECGs are evaluated as a rhythm strip. Morphology/MEA cannot be definitively commented on.

A single lead ECG is available; 25mm/s, 20mm/mV. The average heart rate is 120bpm (range 88-166bpm). The rhythm is sinus in origin, with a p for every QRS complex and vice versa. P and QRS morphologies are positive. No ectopic beats, pauses or dysrhythmias observed.

ECG diagnosis: Normal sinus rhythm with respiratory variation.

ECHOCARDIOGRAM FINDINGS

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

Left ventricle: The LV diameter is normal with adequate myocardial function. LV wall thicknesses are normal.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is normal. No mitral regurgitation.

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: Normal RA 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.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

HOSPITAL NAME

Mass Veterinary Services

REFERRING VET

Dr. Masloski

INVOICE

24264

DATE

5/18/22

2-Dimensional Measurements

Ao diam (cm)	1.9
LA diam (cm)	2.1
LA:Ao (Swe)	1.1
IVS thickness (cm)	0.8
LVID diastole (cm)	2.3
PW thickness (cm)	0.8
LVID systole (cm)	1.2
FS (%)	48

Doppler Measurements

PV Vmax (m/s)	0.92
AoV Vmax (m/s)	1.2
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Normal cardiac structure and function is identified. No significant valve leaks are appreciated and flow through the great vessels is normal. No obvious pathology is seen in this study.

The ECG is most consistent with a sinus arrhythmia with suspected respiratory variation. This is typically a normal finding secondary to high vagal tone (causes for high vagal tone can be investigated including GI, respiratory, neurologic disease, etc.). If these findings do



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not reflect what was ausculted on exam (i.e., premature beats), a longer recording or potentially a holter monitor may be necessary.

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RECOMMENDATIONS

- No cardiac medications are clearly indicated.
- No cardiac contraindication for general anesthesia based upon what is seen here.
- Monitor for development of a murmur, cough, labored breathing, exercise intolerance or collapse episodes.

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PLAN

- Recommend a recheck echocardiogram should a murmur or any clinical signs of cardiac compromise develop in the future.

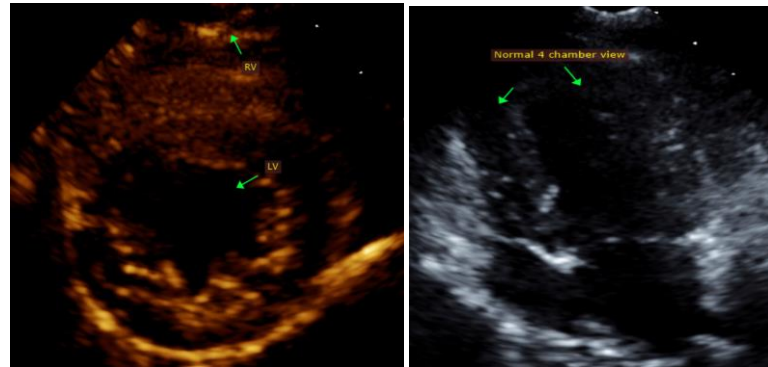
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IMAGES

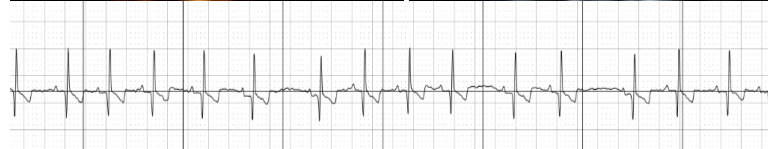
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

IMAGING PERFORMED BY

Pamela Harrigan, RDCS

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.

HOSPITAL NAME

Mass Veterinary Services

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REFERRING VET

Dr. Masloski

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

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