



PATIENT
Bella Hoher

SPECIES
Canine

BREED
Great Dane

SEX
Female Spayed

AGE
5 years

WEIGHT
129lbs

INTERPRETED BY
Maggie Machen
Lamy, DVM
DACVIM (Cardiology)

IMAGING PERFORMED BY
Pamela Harrigan,
RDCS

HOSPITAL NAME
Mass Veterinary
Services

REFERRING VET
Dr. Masloski

INVOICE
24410

DATE
5/25/22

PRESENTING CLINICAL SIGNS

History: Bella was noted to have an arrhythmia in February. She is doing well at home with a good appetite and activity level. She does, however, breath more heavily on walks with some dragging of her hind limbs. On exam today: NSR, no murmurs noted, PSS, lung fields clear. BP: 160mmHg x 5. No medications. *Sedated with propofol for study after ECG obtained.

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 130bpm (range 107-150bpm). 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 for this signalment. LV wall thicknesses are normal.

Left atrium: The left atrium is normal.

Mitral valve: The mitral valve is mildly thickened with no prolapse into the left atrial lumen. No MR.

Aortic valve/Aorta: The aortic valve is normal in morphology and mobility. Mildly elevated aortic outflow velocity depending on heart rate; laminar flow. Trivial aortic insufficiency with a prominent aortic root.

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.

2-Dimensional Measurements

Ao diam (cm)	3.1
LA diam (cm)	3.1
LA:Ao (Swe)	1.0
IVS thickness (cm)	1.1
LVID diastole (cm)	4.5
PW thickness (cm)	1.1
LVID systole (cm)	3.2
FS (%)	29

Doppler Measurements

PV Vmax (m/s)	0.77
AoV Vmax (m/s)	1.0
MR Vmax (m/s)	NA
TR Vmax (m/s)	NA
TR PG (mmHg)	NA

INTERPRETATION OF THE FINDINGS

Overtly normal cardiac structure and function. The overall dimensions are normal with no evidence of significant structural disease. A prominent aortic root is noted with a small leak; however, the reported blood pressure is reasonable for a dog in hospital. No additional issues are identified.



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The ECG shows a normal sinus rhythm. If these findings do 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.
- Consider further evaluation of the arrhythmia as discussed.
- No cardiac contraindication for general anesthesia.
- Monitor for development of a cough, labored breathing, exercise intolerance or collapse episodes.

BREED
Great Dane

PLAN

- Recommend conservative monitoring with a recheck echocardiogram in 1 year to screen for development of cardiomyopathy.

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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.

HOSPITAL NAME
Mass Veterinary Services

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.

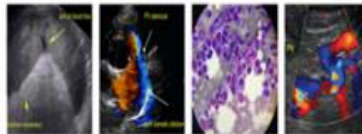
REFERRING VET
Dr. Masloski

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

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