

**PATIENT**

Jake Demarzo

**SPECIES**

Canine

**BREED**

Jack Russel Terrier

**SEX**

Neutered Male

**AGE**

1 Year

**WEIGHT**

17.9 lbs

**PRESENTING CLINICAL SIGNS**

Out of breath, panting after playing. BP 162/131 map 142

**ULTRASONOGRAPHIC EXAMINATION OF THE HEART**

| CANINE CARDIAC PARAMETERS | MR VMAX (m/s) | TR VMAX (m/s) | LA/AO (M-Mode) | LA/AO (Heart Base; Swe) | FS (%)               | EF (%)                                   | EPSS (cm)                                |
|---------------------------|---------------|---------------|----------------|-------------------------|----------------------|--|--|
| NORMAL PARAMETER          | 4.5-5.5       | <2.7          | 1.3            | Up to 1.6               | 28-40                | 40-100                                   | <0.6                                     |
| PATIENT                   | --            | --            | 1.01           | 1.09                    | 42.62                | NM                                       | NM                                       |
| CANINE CARDIAC PARAMETERS | HR (BPM)      | AV VMAX (m/s) | PV MAX (m/s)   | BODY WEIGHT (kg)        | LAD LA MAX 4 Chamber | LVIDd Avg; 2D and m-mode short axis (cm) | LVIDs Avg; 2D and m-mode short axis (cm) |
| NORMAL PARAMETER          | 50-100        | 0.7-1.7       | 0.7-1.6        |                         |                      |  |  |
| PATIENT                   | 207           | ~2.0          | ~1.0           | 8.13                    | 2.4                  | 2.44                                     | 1.4                                      |

**INTERPRETED BY**

Sara Brethel DVM,  
DACVIM (Cardiology)

**IMAGING PERFORMED BY**

Kerri Becker

**HOSPITAL NAME**

Northvale Vet

**REFERRING VET**

Dr. Simon

**INVOICE**

15868

**DATE**

05/06/26

**Cardiac Presentation**

The mitral valve leaflets are normal and there is no mitral regurgitation. There is no prolapse of the mitral valve leaflets. The left atrial size is normal. Left ventricular systolic and diastolic function is within normal limits. There is normal right atrial size without evidence of tricuspid regurgitation. There is no prolapse of the tricuspid valve leaflets and no evidence of pulmonary hypertension on today's evaluation. The right ventricle subjectively appears normal in structure and function. The aortic and pulmonic valves have normal morphology and the corresponding outflow velocities are within normal limits. There is no evidence of pulmonic or aortic insufficiency. The aorta appears normal. The pulmonary artery and associated branches appear normal. There is no evidence of pleural effusion, pericardial effusion, or intracardiac masses.

**ECG**

There is significant baseline artifact, and a 3-beat strip is provided. From what is visible, it appears to be sinus. The reported blood pressure is within normal limits.

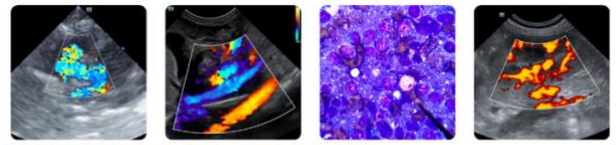
**Chest Radiographs**

The cardiac silhouette appears normal. There is no evidence of cardiogenic pulmonary edema.

**ULTRASONOGRAPHIC FINDINGS**

- Structurally normal heart.

**INTERPRETATION OF THE FINDINGS & FURTHER RECOMMENDATIONS**



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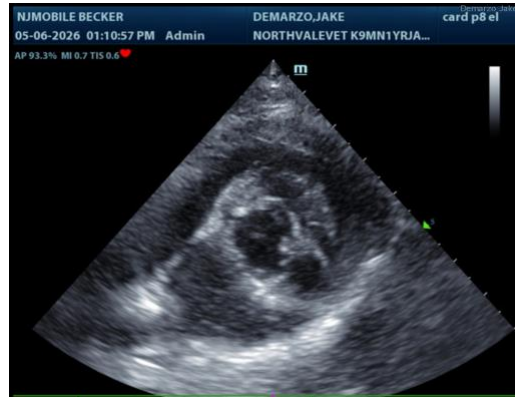
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The heart appears structurally normal, and a cause for the patient's panting after playing is not identified. There is no evidence of cardiogenic pulmonary edema on the images provided. If there is a strong suspicion for an arrhythmia, I would recommend a longer electrocardiogram. Could also be considering a Holter monitor for the patient. Otherwise, a recheck echo is not indicated unless the patient develops a murmur, an arrhythmia, or other cardiovascular clinical signs.



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.

Sara Brethel DVM, DACVIM (Cardiology)

[info@SonoPath.com](mailto:info@SonoPath.com)