



**PRESENTING CLINICAL SIGNS**

**DATE** History: Left-sided murmur. BNP 1000.

**ECHOCARDIOGRAPHIC FINDINGS**

3/8/23 2D, M-mode, and Doppler study.

**PERFORMED BY:** There is mild left atrial dilation The mitral valve subjectively appears normal. There is mild left ventricular dilation. Left ventricular systolic function is mildly hyperdynamic. The aorta and aortic valve subjectively appear normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve subjectively appears normal. The pulmonary artery and pulmonic subjectively appear normal. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

Dr. Tracy Nyberg

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

LA – 29.4 mm  
LVIDd – 29.4 mm  
LVIDs – 16.6 mm  
FS – 43.5%  
RA – 16.8 mm

**PATIENT**

Roman Kimball-  
Dexter

**ASSESSMENT/RECOMMENDATIONS**

**SPECIES**

Canine

This examination demonstrates mild dilation of Roman’s left heart chambers. Unfortunately, no obvious reason for the dilation is appreciated in the image set, though given Roman’s age and the presence of a murmur, consideration should be given to the presence of a shunting lesion or valvular dysplasia (additional imaging would be required to ruled these out). As only mild left heart chamber dilation is present, Roman’s current risk for the development of clinical signs of cardiac dysfunction, such as coughing, exercise intolerance, syncope, and labored breathing, appears to be relatively low, though, given that the cause of the dilation has not been identified, it’s unclear if progressive left heart chamber dilation will develop over time.

**BREED**

Chihuahua

Ideally, referral to a cardiologist would be performed to more comprehensively evaluate for the presence of a congenital cardiac disease.

**SEX**

Given the presence of mild left heart chamber dilation, consideration can be given to starting Roman on pimobendan (2.5 mg am, 1.25 mg pm).

**MN**

A recheck echocardiogram is recommended in 6 months if referral is not pursued. Thoracic radiographs are recommended if Roman experiences respiratory clinical signs.

**AGE**

1 y

**WEIGHT**

15 lb

**HOSPITAL NAME**

Stuga North VC

**REFERRING VET**

Dr. Nyberg





**DATE**

3/8/23

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.

**PERFORMED BY:**

Dr. Tracy Nyberg

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.

**INTERPRETED BY**

**Keith Blass, DVM, MS, DACVIM (Cardiology)**

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Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

**PATIENT**

Roman Kimball-  
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**SPECIES**

Canine

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