



**PRESENTING CLINICAL SIGNS**

History: Experienced a syncopal episode on 8/1. Long-standing heart murmur. BNP 250.

**DATE**

8/8/22

**ECHOCARDIOGRAPHIC FINDINGS**

2D, M-mode, and Doppler study.

**PERFORMED BY:**

Dr. Ebersole

**INTERPRETED BY**

Keith Blass, DVM,  
MS, DACVIM  
(Cardiology)

Left atrial size is normal. The mitral valve leaflets are mildly thickened, and there is Doppler evidence of mitral regurgitation present. Left ventricular dimensions are normal, as is left ventricular systolic function. The aorta and aortic valve are normal. Right atrial and right ventricular dimensions are normal. The tricuspid valve leaflets are mildly thickened, and there is Doppler evidence of tricuspid regurgitation present. The pulmonary artery and pulmonic valve appear normal, though trace pulmonic insufficiency is present. No shunting lesions are visualized. No pericardial effusion or cardiac masses are seen.

LA – 41.6 mm  
LVIDd – 39.3 mm  
LVIDs – 23.7 mm  
FS – 39.7%

**PATIENT**

Pixie Libby

RA – 30.7 mm  
LVOT – 1.90 m/s  
RVOT – 1.10 m/s

**ELECTROCARDIOGRAPHIC FINDINGS**

A six lead ECG is submitted for review.

**SPECIES**

Canine

HR: 115 bpm  
Rhythm: Sinus

**BREED**

Pointer Setter

Normal sinus rhythm is present throughout this recording. The MEA is normal. All complex amplitudes and intervals are within normal limits. No premature beats or conduction blocks are seen.

**ASSESSMENT/RECOMMENDATIONS**

**SEX**

Degenerative mitral and tricuspid valve disease

**FS**

Pixie's echocardiogram demonstrates regurgitation of blood across her mitral and tricuspid valves resulting from degenerative valve disease. The hemodynamic effects of each of the regurgitations appear to be mild, as Pixie does not have secondary dilation of any of her cardiac chambers, and her ventricular systolic function is normal. As such, Pixie's valvular diseases appear to be well-compensated, and it's unlikely that her valvular diseases were the cause of her recent syncopal episode. While no arrhythmia is seen in either of the submitted ECGs, consideration should be given to an intermittent arrhythmia and vasovagal syncope as likely differentials for Pixie's recent episode.

**AGE**

12 y

**WEIGHT**

89 lb

A Holter and/or event monitor can be considered if Pixie experiences additional syncopal episodes.

**HOSPITAL NAME**

Scanvet

No therapy is recommended at this stage of Pixie's valvular diseases.

A recheck echocardiogram is recommended in 6 months to monitor for disease progression.

**REFERRING VET**

Dr. Landry



DATE

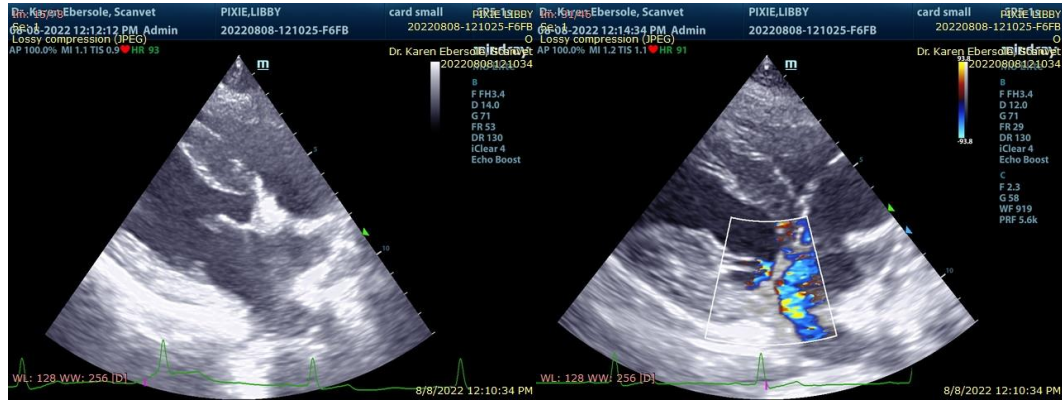
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The information and recommendations provided are based on the images presented by the referring veterinarian. No evaluation can be communicated regarding pathology that was not visible in the image/video clips provided.

PATIENT

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.

Pixie Libby

Keith Blass, DVM, MS, DACVIM (Cardiology)  
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631-804-5754

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